

## **RESIDENTIAL SOLAR WATER HEATING**

SYSTEM SIZING VERIFICATION (FORM 1)

INSTR	UCTIONS: Participating Contractor to	complete all non-shaded areas. A	Il shaded areas are for Offic	ial Use only. For que	estions, call (808) 53	37-5577.
Customer Name:			Work Order #:			
Customer Phone:			Contractor Name:			
	ct Name:		Centralized Multi System: □Yes □No			
			Collector Access: □One Story □Multi Story			
Contact Phone:				-	-	
			Tank Access:	□Secured	□Unsecured	
Subco	ontractor(s) Used:   Yes	No If YES, Name & Lic	ense #:			
		Molokai □Lāna'i □Maui	□Hawaiʻi			
		Wolona Elana Elwan	штаwaгт			
	EM DATA – CHART 1	□Burnout □Retrofit		Accep	oted Den	iled
1	Installation Reason		Color DNone			
2	Previous Water Heater Type	•	□Solar □None			
3	System Type	□ Active □ Passive				
4	Neighborhood / Community		400 DE00 DEE0			
5	Sunshine Zone	□350 □400 □450 □	480 □500 □550			
6	Collector Manufacturer					
7	Collector Model No.		01	01		
8	Collector Size	□3' x 7' □3' x 8' □4' x	6' □ 4' x 8' □ 4' x 1	0'		
9	Absorber Coating Collector Orientation	□Chrome □Paint				
10		degrees (true)	IA Odlasta Odantala Espera			
11	Collector Orientation Factor		t 1: Collector Orientation Factor Co	ompass)		
12	Collector Mounting Method		End tilt			
13	Collector Tilt	degrees	0 Th Ft T-bl-)			
14	Collector Tilt Factor	% derating (Table	*			
15	Back-Up Heating Type	□ Electric □ Gas □ Hea	•			
16	Pump Type	□AC □DC □No	ne			
<u>SIZIN</u>	G: HOT WATER STORAGE				Gal. / Day	<u>V</u> Line
•	Hot Water Use: Total numl	per of occupants	x 20 gal./day			_ 1
•	Required Storage					_ 2
•	Actual System Storage Sele	ected (from Table 2, SWH Handbook)	·	<u>Daily E</u>	BTU Requirement	_
			Tank #1			_ 3
			Tank #2			_ 4
	T		Tank #3	- =		5
•	Total Actual System Storag	e: (add Lines 3, 4 and 5)				6
SIZIN	G: SOLAR COLLECTOR(S)			BTU / Day Outp	+	
SIZIIN		Ht(-)		-		_
•		ollector(s) (from Table 6, SWH Handb			lel 2:	
•	Number of Collectors per Mo		Model 1:	Mod	lel 2:	_ 8
•	Sub-Total: Collector BTU/Day	Output (multiply Lines 7 and	8) Model 1:	Mod	lel 2:	_ 9
•	Total Collector BTU/Day Out	out (add Model 1 and Model 2	from Line 9)			10
•	-	ientation <sup>0</sup> ; Factor	•	ine 10		
-		It <sup>0</sup> ; Factor				11
_						12
•	•	Output (Subtract Lines 11 and	12 from Line 10)			13
SOLAF	R FRACTION					
•	Percent Solar Fraction (Divide	E Line 13 by Line 6)			%	14
Inspe	ctor: Customer Pr	esent: Da	ite:	Form 1:	Accepted D	enied
Comp						