

RESIDENTIAL SOLAR WATER HEATING

SYSTEM SIZING VERIFICATION (FORM 1)

INSTR	RUCTIONS: Participating Contractor to	complete all non-shaded areas. A	All shaded areas are for Offic	ial Use only. For questic	ons, call (808) 537-5577.	
Customer Name:			Work Order #:			
Customer Phone:			Contractor Name:			
	ict Name:			Centralized Multi System: Yes No		
			Collector Access: One Story Multi Story			
Conta	ct Phone:			•	-	
			Tank Access:	□Secured □L	Insecured	
Subco	ontractor(s) Used:	No If YES, Name & Lic	cense #:			
		lMolokai □Lāna'i □Maui				
		miolokai Ezaria Emiadi	Паман			
	EM DATA – CHART 1	□Burnout □Retrofit		Accepted	d Denied	
1	Installation Reason		Color DNone			
2	Previous Water Heater Type	☐ Electric ☐ Heat Pump☐ Active ☐ Passive	□Solar □None			
3	System Type Neighborhood / Community	Active Passive				
4	Sunshine Zone	□350 □400 □450 □	1400 DE00 DEE0			
5	Collector Manufacturer	□350 □400 □450 □	<u> 1460 □300 □330</u>			
7	Collector Model No.					
8	Collector Size	□3' x 7' □3' x 8' □4' x	(6' □ 4' x 8' □ 4' x 1	0'		
9	Absorber Coating	☐Chrome ☐Paint	10 L4 X 0 L4 X 1	0		
10	Collector Orientation	degrees (true)				
11	Collector Orientation Factor		rt 1: Collector Orientation Factor Co	omnace)		
12	Collector Mounting Method		End tilt	лпразэ)		
13	Collector Tilt	degrees				
14	Collector Tilt Factor	_	le 3: Tilt Factor Table)			
15	Back-Up Heating Type	□ Electric □ Gas □ He				
16	Pump Type		-			
			0110		0.1.75	
	G: HOT WATER STORAGE		x 20 gal./day		<u>Gal. / Day </u>	
•	Hot Water Use: Total numl	ber of occupants	X 20 gai./uay			
	D : 10:					
•	Required Storage				2	
•	Actual System Storage Selv	ected (from Table 2, SWH Handbook	k) Gallons	Daily BTII	J Requirement	
	Actual dystem diorage deli	ected (nom rable 2, 3wirriandbook	Tank #1	Daily B10	3	
			Tank #2	_	4	
			Tank #3			
•	Total Actual System Storag	e: (add Lines 3, 4 and 5)			6	
	, ,					
SIZING: SOLAR COLLECTOR(S) BTU / Day Output						
•	BTU/Day Output for Solar Co	ollector(s) (from Table 6, SWH Hand	dbook) Model 1:	Model 2	2:	
•	Number of Collectors per Mo		Model 1:		2: 8	
•	•	y Output (multiply Lines 7 and			2: 9	
_	•		, <u></u>	Widdel 2		
•		put <i>(add Model 1 and Model 2</i>			10	
•	Derating BTU Output/Day: Or				11	
	Ti	It ⁰ ; Factor	% (from Table 3: Tili	t Factors) x <u>Line 10</u>	12	
•	Adjusted Collector BTU/Day (Output (Subtract Lines 11 and	l 12 from Line 10)		13	
SOLAR FRACTION						
•	Percent Solar Fraction (Divide	e Line 13 by Line 6)			% 14	
Inspe			ate:	Form 1: □Ac		
	nents:					