

APS SOLAR WATER HEATING SITE VISIT CHECKLIST

 Audit # 1 2 3 _ COMPLIANCE

 NON-COMPLIANCE

RESERVATION NUMBER: _____

Project Information

AUDITOR: _____

Customer (Present):		Date:
Address/ City/ State/ Zip:		Phone Number:
Installing Contractor:		
Equipment Manufacturer:	SRCC Model:	System Type (drain-back, ICS,...) :
Solar Tank Manufacturer (Elect, Gas):	Model:	Gallons:
Secondary Tank (Elect, Gas):	Model:	Gallons:
Water Temp. at Interior Fixture:	Refract Rating:	Tilt:
		Azimuth:

Y	N	N/A	SRCC Section	General Requirements
---	---	-----	--------------	----------------------

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		1 System is operating
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2 System installation and components are consistent with Incentive application and SRCC approved manual
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		3 All components are new (tank, collector, plumbing, pumps, controls)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.6.1	4 SRCC approved manual is available

Plumbing/Piping

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.5.14	5 Piping is adequately and appropriately supported
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.1.6.3 / 6.2.2	6 Pipe insulation with a min. R-2.6 is installed on all hot water pipes and first 5 feet of exposed cold water inlet piping. All exterior piping insulation shall be protected from UV and moisture damage
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.1.1.3	7 Expansion tank is installed on collector loop piping if applicable
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.5.15	8 Collectors are pitched at least 1/4 inch per foot and piping is continuously pitched between collector(s) and drain-back reservoir with a minimum 1/4 inch per foot if applicable

Solar Storage Tank

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.5.6	9 Water tanks installed in or above living space shall be on a drip pan with drain line to a safe location
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.16	10 Temperature and pressure relief valve is installed on tank to comply with ASME Boiler and Pressure Vessel Code, Division 1, Section VIII

Valves

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.1.5.6	11 Tempering valve(s) are installed and a) On the downstream side of the primary water heater(s), b) Located after anti-convective plumbing, and c) and shall include a set point of 122 °F
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.1.1.2	12 All isolation valves shall be labeled with the normal operating position indicated on durable and waterproof labels
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.7	13 Label shall mark all drain and fill valve(s). Label shall identify fluid in that loop. Label shall contain warning: "No other fluid shall be used that would change the original classification of this system. Unauthorized alterations to this system could result in a hazardous health condition."
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.16	14 Pressure relief valve is installed on the collector loop if applicable
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.16	15 Pressure relief valve is installed on drain-back tank if it can be isolated

Controls

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.2.4	16 Electrical tape, zip ties, and low temperature insulation are not used
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.5.18	17 Sensor wiring and control sensor (when outdoor) has a UV-rated exterior jacketing, is continuously attached, and is protected from abrasion, high voltage lines, high temperature, and environmental influence
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3.5	18 If PV powered, a high temperature shutoff function is installed and wired through the circulation pump

Collector(s)

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.5.13	19 Collectors are substantially un-shaded between 9am and 3pm year-round
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		20 Tilt and azimuth of collectors are within program requirements

NOTES

	Azimuth*	Tilt	Incentive
	90-180	>0	0%
	30-90	0-33	80%
	0-30	0-17	80%
	0-30	18-47	100%
	0-30	48-75	80%
	30-90	0-33	80%
	90-180	>0	0%

* Defined as Variation E or W from South