

Press Release

Simple Solar domestic water heater achieves 74% solar fraction

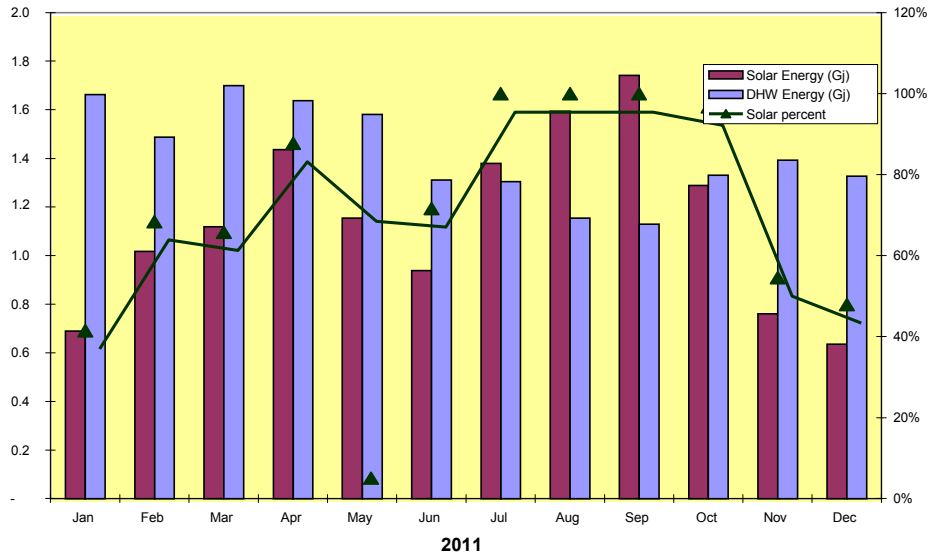
January 10, 2012

CALGARY - Simple Solar Heating today announced their solar domestic water heater achieved 74% solar fraction. “This is substantially greater than the 30-50% considered standard for solar domestic water heaters”, said Tom Jackman, President.

The Simple Solar domestic water heater provided hot water to a 250 square metre family home in Calgary, Alberta. It featured a 300 litre water tank and three evacuated tube solar collectors mounted on a south facing wall. The solar collectors were partially shaded during the winter months by a neighbouring house. “We are very proud that even with shading our solar domestic water heater achieved 74% solar fraction”, said Jackman.

Data collected by Simple Solar Heating is displayed below in chart and graph form.

Domestic Water Heating Analysis, Calgary Home													
2011	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
DHW energy used (MJ)	1,662	1,488	1,700	1,638	1,581	1,311	1,304	1,155	1,129	1,332	1,394	1,327	17,021
Solar energy collected (MJ)	690	1,018	1,119	1,437	1,155	939	1,380	1,595	1,742	1,289	761	636	13,761
Solar energy utilized (MJ)	690	1,018	1,119	1,437	1,155	939	1,304	1,155	1,129	1,289	761	636	12,633
Solar fraction (%)	42%	68%	66%	88%	73%	72%	100%	100%	100%	97%	55%	48%	74%
Highest solar energy day (MJ)	58	76	83	89	70	55	62	72	83	78	65	38	
Highest solar tank (°C)	45	70	64	63	60	54	62	71	75	66	56	41	
Highest ambient outside (°C)	15	16	17	20.7	25	29	32	34	33	22	15	14	
Lowest ambient outside (°C)	- 14	- 22	- 23	- 5	3	8	9	8	5	- 3	- 15	- 11	
DHW used (L)	9,194	8,769	9,830	9,466	9,105	8,100	8,959	9,078	8,245	9,150	8,490	8,543	106,928
Highest daily DHW (L)	512	471	519	493	416	395	420	476	427	513	415	474	
Lowest daily DHW (L)	154	213	204	142	121	165	189	125	6	169	176	136	
Average daily water used (L)	297	313	317	316	294	270	289	293	275	295	283	276	293



To view current data on the solar domestic water heater visit <http://welsolver.com/WEL0338>.

About Simple Solar Heating

Simple Solar Heating is a leading manufacturer of solar heaters for domestic water, pools and hot tubs, and space heating systems. They are a private Canadian corporation with headquarters in Calgary, Alberta. For more information visit www.simplesolar.ca.

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