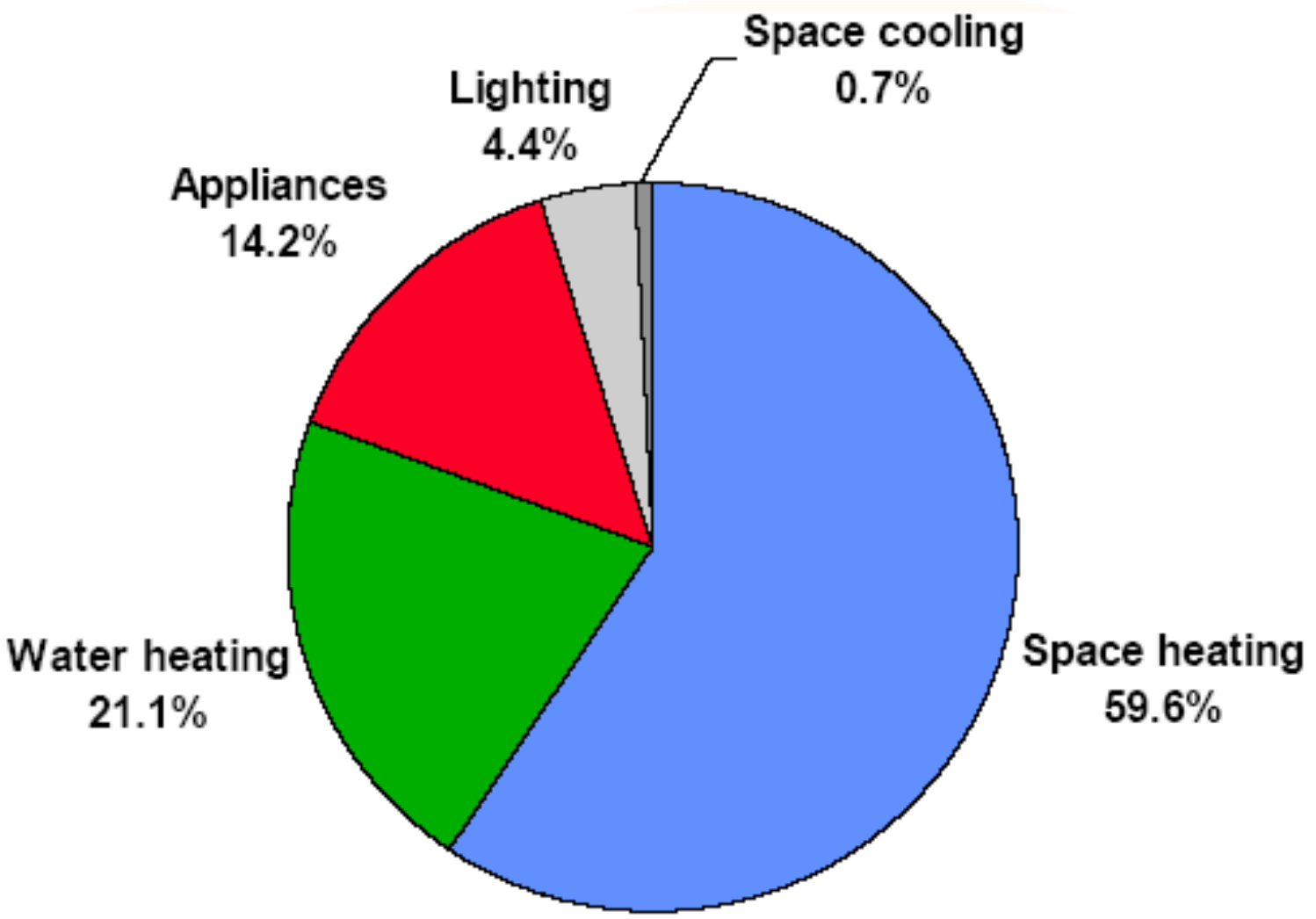
WHAT WORKS

Medium Temperature ST Technologies - Collectors

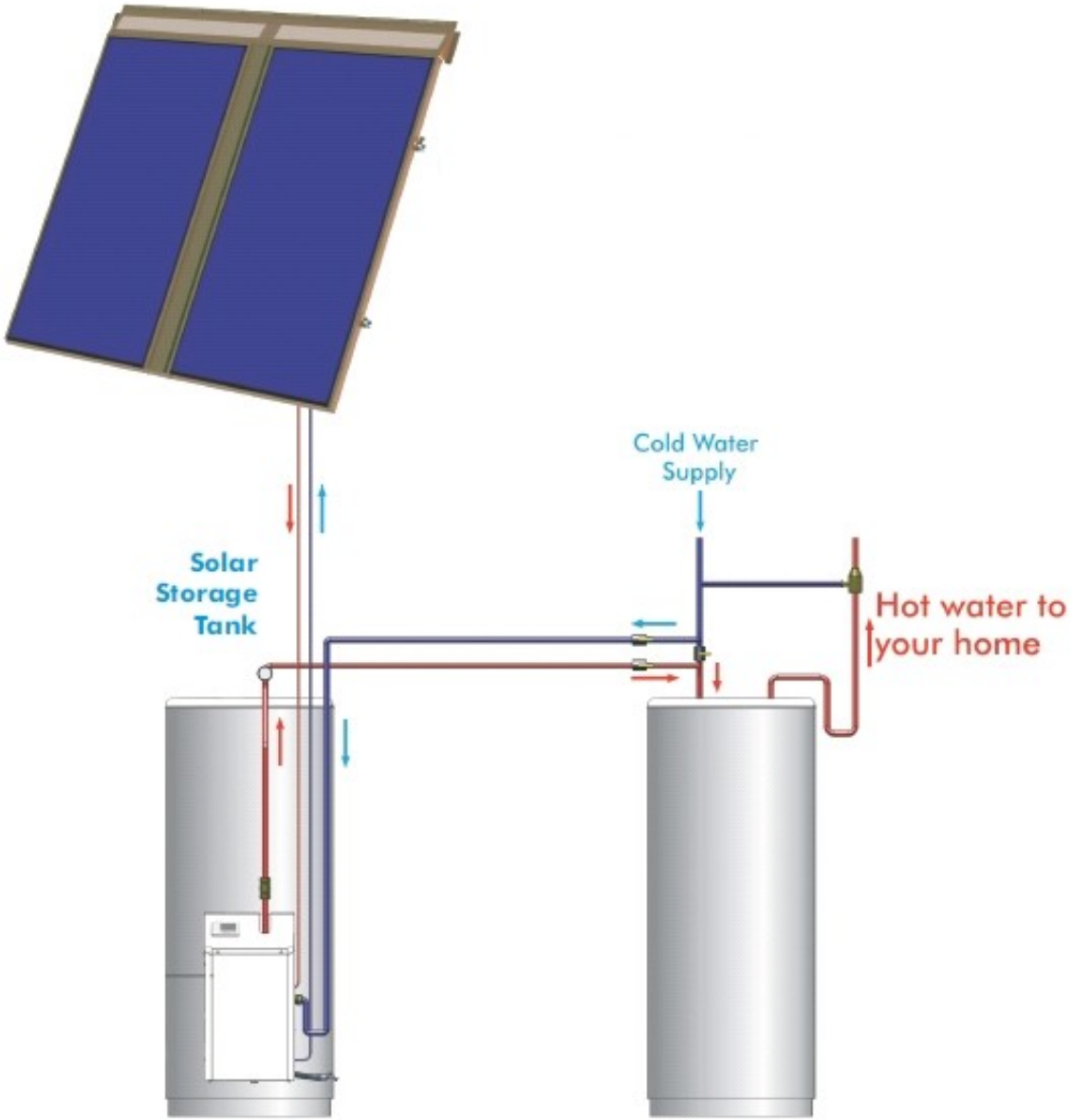
UNIVERSAL APPROACH TO ENERGY EFFICIENCY

- Sort out the variables for the specific situation
- Measure the Resources available
- Make the decision

Use for Medium Temperature ST Collector Technologies



How It Works - Water Side



Tool Kit Essentials

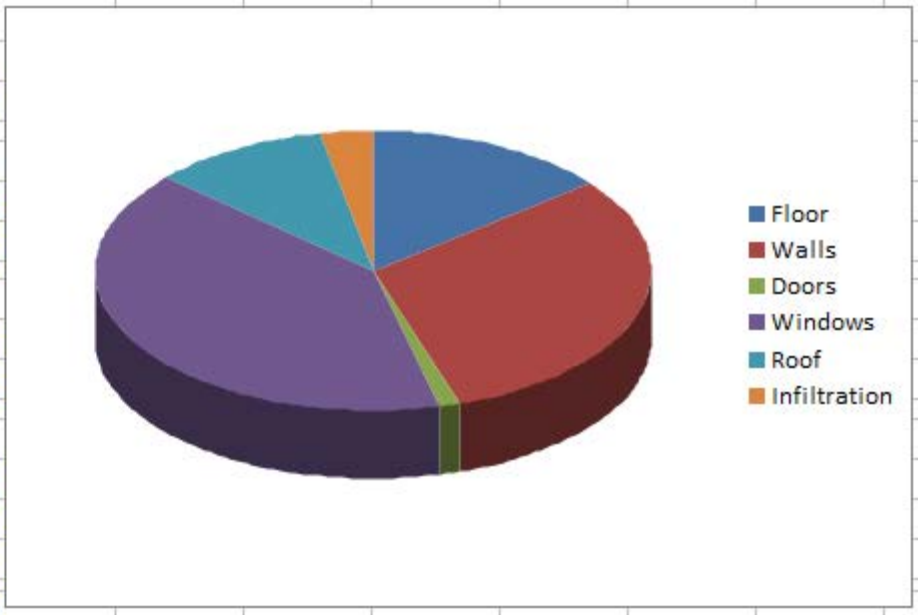
Residential Modeling Software

Microsoft Excel - dash board with Heat calc

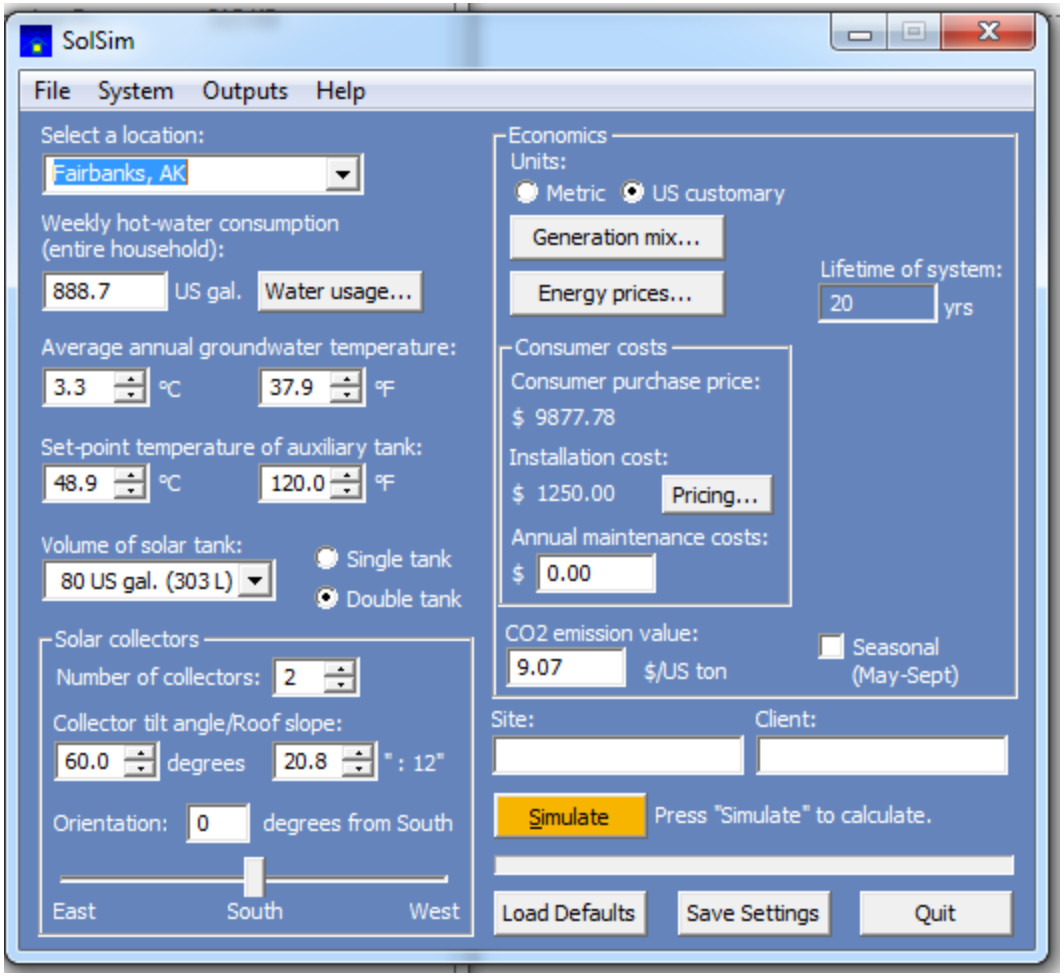
File Edit View Insert Format Tools Data Window Help QuickBooks

A10 fx Doors

	A	B	C	D	E
1	**Net Zero Energy Home**				
2	**Dashboard**				
3	Component	Width	Length		R Value
4	Building Footprint (Floor)	24	36		60
6	**Walls**	Height			
7	Wall - crawlspace	0			17
8	Walls	17			70
10	**Doors**	Height	Width	#	
11	Garage Doors	8	10	0	4
12	Doors	7	3	1	20
14	**Window Areas**	Area	SHGC		U-Value
15	Windows - South	144	0.45		0.2
16	Windows - East and West	38	0.35		0.15
17	Windows - North	0	0.35		0.15
19	**Roof**				100

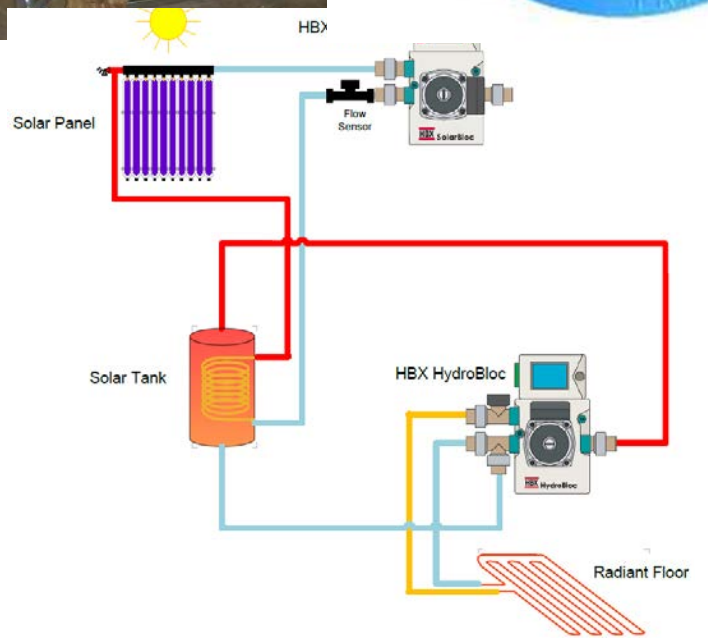


Software for Solar Domestic HW



Useful files

- Rack Designs
- Return on Investment
- Plumbing Diagrams
- Site Survey form
- Pathfinder Printout
- Installers Presentation



Vertical Wall Mounts

South Facing Roofs

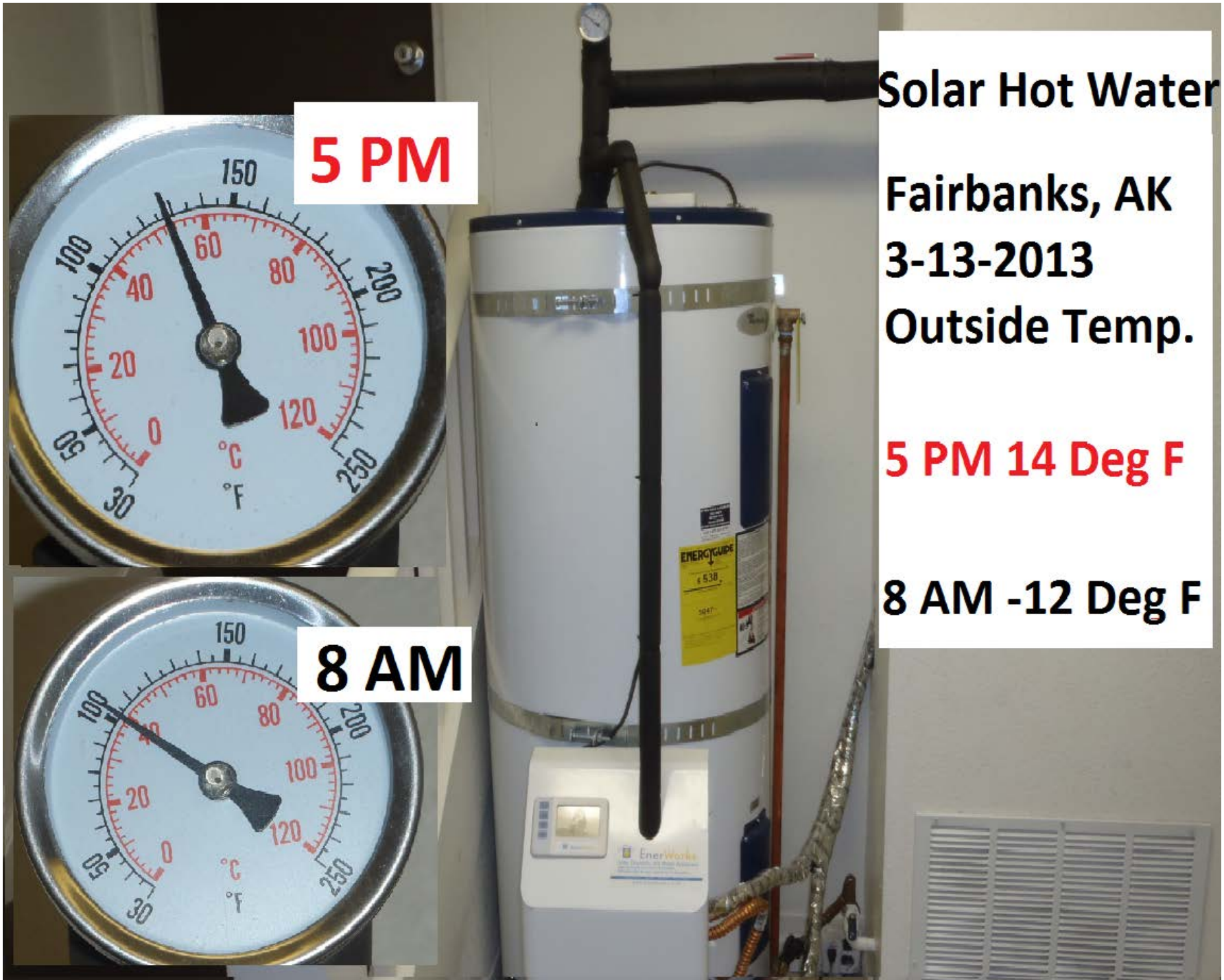
Combi Systems

Combi systems with mechanical controls

- Wood stove coil

Masonry Heater Coil

What are the results?


5 PM
8 AM
Solar Hot Water
Fairbanks, AK
3-13-2013
Outside Temp.
5 PM 14 Deg F
8 AM -12 Deg F