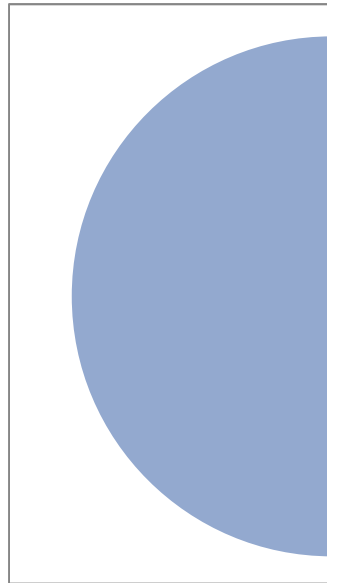
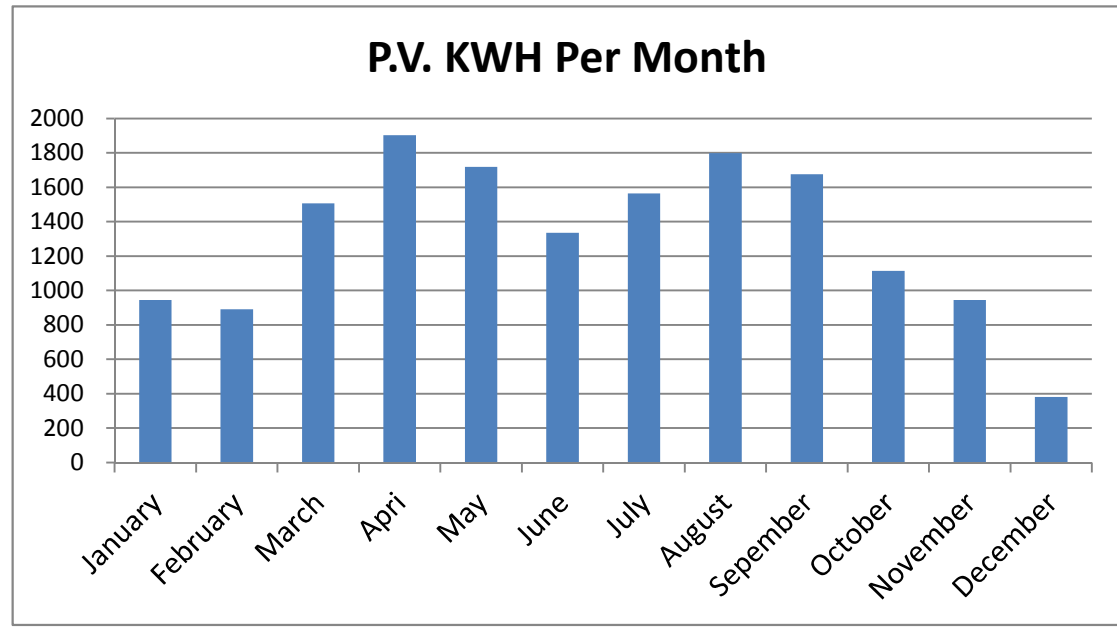


READINGS:	1/1/2013	2/1/2013	3/1/2013	4/1/2013	5/1/2013	6/1/2013	7/1/2013	8/1/2013	9/1/2013	10/1/2013	11/1/2013	12/1/2013	1/1/2014	Totals	P.V. KWH Per Month	
	Start	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual		
		KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH			
Hot Tub Meter	648	826	990	1137	1275	1390	1504	1585	1684	1792	1920	2066	2242		944	January
Water Meter A	130	177	210	227	245	260	271	285	294	301	313	324	370		891	February
Water Meter B	111	152	180	194	210	222	232	244	251	258	268	277	316		1506	March
Unitil Meter	995569	996981	998004	997995	997252	996522	996173	995830	995020	994218	994041	994207	995533		1902	Apri
Control Room Meter	16569	17513	18404	19910	21812	23530	24865	26429	28227	29902	31015	31960	32340		1718	May
															1335	June
															1564	July
Solar Collection	HRS	HRS	HRS	HRS	HRS	HRS	HRS	HRS	HRS	HRS	HRS	HRS	HRS		1798	August
A - DHW Tank	1035	1183	1313	1547	1831	2146	2444	2770	3087	3344	3540	3696	3759		1675	Seppember
B - Buffer Tank	724	829	912	1097	1301	1553	1778	2020	2268	2463	2607	2704	2757		1113	October
C - Earth Heat Sink	577	674	745	905	1065	1284	1451	1634	1844	2002	2092	2147	2195		945	November
															380	December
Calculations:		KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH	KWH			
Total Project Power Used		2356	1914	1497	1159	988	986	1221	988	873	936	1111	1706	15735		
Ave Project Power Used/Day		76.00	68.36	48.29	38.63	31.87	32.87	39.39	31.87	29.10	30.19	37.03	55.03		43.21964	
Power Produced		944	891	1506	1902	1718	1335	1564	1798	1675	1113	945	380	15771		100.0%
Ave Power Produced/Day		30.45	31.82	48.58	63.40	55.42	44.50	50.45	58.00	55.83	35.90	31.50	12.26		43.17661	1.7%
DHW Power Used		88	61	31	34	27	21	26	16	14	22	20	85	445		1.8%
Ave DHW Power Used/Day		2.84	2.18	1.00	1.13	0.87	0.70	0.84	0.52	0.47	0.71	0.67	2.74		0.04303	2.8%
Hot Tub Power Used		178	164	147	138	115	114	81	99	108	128	146	176	1594		3.1%
Ave Hot Tub Power Used/Day		5.74	5.86	4.74	4.60	3.71	3.80	2.61	3.19	3.60	4.13	4.87	5.68		4.377522	10.1%
Net Near Net Zero KWH		1412	1023	(9)	(743)	(730)	(349)	(343)	(810)	(802)	(177)	166	1326	(36)		22.9%
Net Near Net Zero KWH W/O Hot Tub		1234	859	(156)	(881)	(845)	(463)	(424)	(909)	(910)	(305)	20	1150	(1630)		57.6%
Solar Collection		HRS	HRS	HRS	HRS	HRS	HRS	HRS	HRS	HRS	HRS	HRS	HRS			
A - DHW Tank HRS		43	47	49	80	63	73	84	69	62	52	59	10	691		
A - DHW Tank HRS/Day		1.39	1.68	1.58	2.67	2.03	2.43	2.71	2.23	2.07	1.68	1.97	0.32			
B - Buffer Tank Calc #		105	83	185	204	252	225	242	248	195	144	97	53			
B - Buffer Tank Hrs		8	12	25	44	33	58	59	38	37	54	42	5	415		
B - Buffer Tank Hrs/Day		0.26	0.43	0.81	1.47	1.06	1.93	1.90	1.23	1.23	1.74	1.40	0.16			
C - Earth Heat Sink Hrs		97	71	160	160	219	167	183	210	158	90	55	48	1618		
C - Earth Heat Sink Hrs/Day		3.13	2.54	5.16	5.33	7.06	5.57	5.90	6.77	5.27	2.90	1.83	1.55			
Total HRS/Day		4.77	4.64	7.55	9.47	10.16	9.93	10.52	10.23	8.57	6.32	5.20	2.03			
Total Solar Pump KWH		14.81	13.01	23.41	28.41	31.52	29.81	32.62	31.72	25.71	19.61	15.61	6.30	273	KWH	
Days/Month		31	28	31	30	31	30	31	31	30	31	30	31		334	
		76	68.35714	48.29032	38.63333	31.87097	32.86667	39.3871	31.87097	29.1	30.193548	37.033333			42.14576	
HRV Power		40	40	40	40	40	40	40	40	40	40	40	40	480		
		2035	1636	1256	919	774	781	1041	801	685	726	889	1399			
															3,400	
															4,607	
Plug Load KWH/Month		755.00	755.00	755.00	755.00	755.00	755.00	755.00	755.00	755.00	755.00	755.00	755.00	9060	755	15,734,166
Plug Load KWH/Day		24.4	27.0	24.4	25.2	24.4	25.2	24.4	24.4	25.2	24.4	25.2	24.4			4.6
		1280	881	501	164			286				134	644			



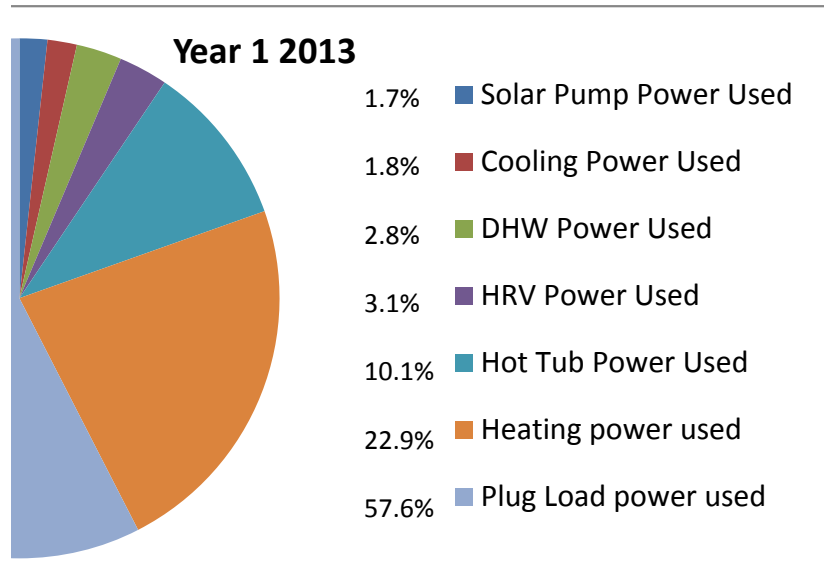
15735
53,735,025
15.8

-0.48
-0.01



Year 1 2013

Solar Pump Power Used	1.7%	Solar Pump Power Used
Cooling Power Used	2.8%	DHW Power Used
DHW Power Used	22.9%	Heating power used
HRV Power Used	10.1%	Hot Tub Power Used
Hot Tub Power Used	1.8%	Cooling Power Used
Heating power used	57.6%	Plug Load power used
Plug Load power used	3.1%	HRV Power Used



- Sq-Ft
- Total HVAC KWH
- Total HVAC BTU
- Total HVAC KBTU/SF

Total KWH

Total BTU

Total KBTU/SF

NET KBTU/SF (without Hot tub)

NET KBTU/SF (with Hot tub)