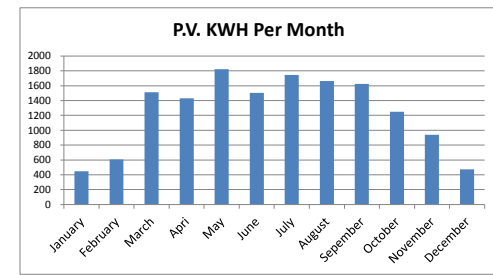


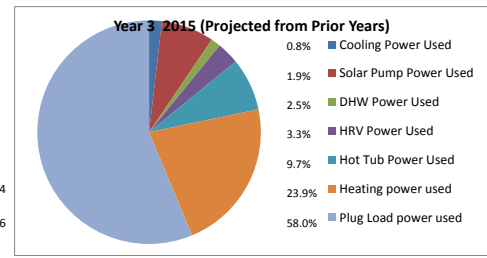
READINGS:	1/1/2015	2/1/2015	3/1/2015	4/1/2015	5/1/2015	6/1/2015	7/1/2015	8/1/2015	9/1/2015	10/1/2015	11/1/2015	12/1/2015	1/1/2016	Totals
Start	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Annual
Hot Tub Meter	3646	3775	3945	4032	4153	4221	4306	4380	4444	4524	4665	4678	4771	
Water Meter A	565	595	606	608	626	630	632	632	632	636	640	640	676	
Water Meter B	484	510	520	520	536	540	541	541	541	544	547	578		
Unifit Meter	994667	996165	997354	998852	996720	995908	995257	994595	994092	993546	993525	993486	994462	
Control Room Meter	47782	48231	48838	50350	51781	53603	55108	56852	58514	60140	61388	62328	62802	
<b>Solar Collection</b>	<b>HRS</b>	<b>HRS</b>	<b>HRS</b>	<b>HRS</b>	<b>HRS</b>	<b>HRS</b>	<b>HRS</b>	<b>HRS</b>	<b>HRS</b>	<b>HRS</b>	<b>HRS</b>	<b>HRS</b>	<b>HRS</b>	
A - DHW Tank	6528	6640	6740	6954	7215	7574	7886	348	639	890	1101	1259	1373	
B - Buffer Tank	4799	4867	4925	5091	5270	5535	5766	244	468	648	781	884	959	
C - Earth Heat Sink	3745	3803	3845	3960	4068	4277	4433	244	468	648	760	838	906	
<b>Calculations:</b>	<b>KWH</b>	<b>KWH</b>	<b>KWH</b>	<b>KWH</b>	<b>KWH</b>	<b>KWH</b>	<b>KWH</b>	<b>KWH</b>	<b>KWH</b>	<b>KWH</b>	<b>KWH</b>	<b>KWH</b>	<b>KWH</b>	
Total Project Power Used	1947	1796	1010	1299	1010	854	1082	1159	1080	1227	901	1450	14815	
Ave Project Power Used/Day	62.81	64.14	32.58	43.30	32.58	28.47	34.90	37.39	36.00	39.58	30.03	46.77		40.71298
Power Produced	449	607	1512	1431	1822	1505	1744	1662	1626	1248	940	474	15020	
Ave Power Produced/Day	14.48	21.68	48.77	47.70	58.77	50.17	56.26	53.61	54.20	40.26	31.33	15.29		41.04418
DHW Power Used	56	21	2	34	8	3	0	0	0	7	7	67	205	
Ave DHW Power Used/Day	1.81	0.75	0.06	1.13	0.26	0.10	0.00	0.00	0.00	0.23	0.23	2.16		0.561066
Hot Tub Power Used	129	170	87	121	68	85	74	64	80	141	13	93	1125	
Ave Hot Tub Power Used/Day	4.16	6.07	2.81	4.03	2.19	2.83	2.39	2.06	2.67	4.55	0.43	3.00		3.099949
Net Near Net Zero KWH	1498	1189	(502)	(132)	(812)	(651)	(662)	(503)	(546)	(21)	(39)	976	(205)	
Net Near Net Zero KWH W/O Hot Tub	1369	1019	(589)	(253)	(880)	(736)	(736)	(567)	(626)	(162)	(52)	883	(1330)	
<b>Solar Collection</b>	<b>HRS</b>	<b>HRS</b>	<b>HRS</b>	<b>HRS</b>	<b>HRS</b>	<b>HRS</b>	<b>HRS</b>	<b>HRS</b>	<b>HRS</b>	<b>HRS</b>	<b>HRS</b>	<b>HRS</b>	<b>HRS</b>	
A - DHW Tank HRS	44	42	48	82	94	81	104	67	71	78	55	39	805	
A - DHW Tank HRS/Day	1.42	1.50	1.55	2.73	3.03	2.70	3.35	2.16	2.37	2.52	1.83	1.26		
B - Buffer Tank Calc #	68	58	166	179	265	231	244	224	180	133	103	75		
B - Buffer Tank Hrs	10	16	51	71	56	75	0	0	0	21	25	7	332	
B - Buffer Tank Hrs/Day	0.32	0.57	1.65	2.37	1.81	2.50	0.00	0.00	0.00	0.68	0.83	0.23		
C - Earth Heat Sink Hrs	58	42	115	108	209	156	244	224	180	112	78	68	1594	
C - Earth Heat Sink Hrs/Day	1.87	1.50	3.71	3.60	6.74	5.20	7.87	7.23	6.00	3.61	2.60	2.19		
Total HRS/Day	3.61	3.57	6.90	8.70	11.58	10.40	11.23	9.39	8.37	6.81	5.27	3.68		
Total Solar Pump KWH	11.21	10.01	21.41	26.11	35.92	31.22	34.82	29.11	25.11	21.11	15.81	11.41	273.2366 KWH	
Days/Month	31	28	31	30	31	30	31	31	30	31	30	31		
	62.8	64.1	32.6	43.3	32.6	28.5	34.9	37.4	36.0	39.6	30.0			
HRV Power	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	480	
	1710.8	1555.0	859.6	1077.9	858.1	694.8	933.2	1025.9	934.9	1017.9	825.2	1238.6		
Plug Load KWH/Month	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	8337.6	694.8
Plug Load KWH/Day	22.4	24.8	22.4	23.2	22.4	23.2	22.4	22.4	22.4	23.2	22.4	23.2		
	1016.0	860.2	164.8	383.1	163.3	0.0	238.4	331.1	240.1	323.1	130.4	543.8	4394.2	

P.V. KWH Per Month  
 449 January  
 607 February  
 1512 March  
 1431 April  
 1822 May  
 1505 June  
 1744 July  
 1662 August  
 1626 September  
 1248 October  
 940 November  
 474 December



Year 3 2015 (Projected from Prior Years)

1.8% Solar Pump Power Used	0.8% Cooling Power Used
7.6% Cooling Power Used	1.9% Solar Pump Power Used
1.4% DHW Power Used	2.5% DHW Power Used
3.2% HRV Power Used	3.3% HRV Power Used
7.6% Hot Tub Power Used	9.7% Hot Tub Power Used
22.0% Heating power used	23.9% Heating power used
56.3% Plug Load power used	58.0% Plug Load power used



3,400 Sq-Ft  
 3,815 Total HVAC KWH  
 13,027,785 Total HVAC BTU  
 3.8 Total HVAC KBTU/SF

14815 Total KWH  
 50,593,225 Total BTU  
 14.9 Total KBTU/SF

-0.39 NET KBTU/SF (without Hot tub)  
 -0.06 NET KBTU/SF (with Hot tub)