

Summary Data														
Date	ΔEc	ΔEp	ΔEg	$\Delta E-g$	Meter Readings (noon \pm 1h)			ΔMEp	$\Delta ME-g$	ΔMEg	$\Delta MEg/Day$	$\Delta Ec/Day$	Difference % Error	
	740	396	679	335	MEp	ME-g	MEg	537	536	879	35.16	30	6	19%
2/4/15	26	16	28	18	13220	10127	78583							
2/5/15	25	16	18	9										
2/6/15	27	19	18	10										
2/7/15	29	20	21	12									$\Delta ME-g$	\$0.05 /kWh
2/8/15	20	22	14	16									ΔMEg	\$0.22 /kWh
2/9/15	27	3	24	0	13348	10254	78794	128	127	211			ΔMEg	879 19%
2/10/15	26	17	18	8	13370	10276	78823	22	22	29			ΔEc	740
2/11/15	25	26	17	19									$\Delta ME-g$	536 60%
2/12/15	29	13	21	5									$\Delta E-g$	335
2/13/15	31	0	49	18	13411	10317	78889	41	41	66			Current Bill	879
2/14/15	30	0	49	19									Current Bill	\$193.38
2/15/15	30	0	49	19										
2/16/15	34	23	24	13										
2/17/15	29	0	29	0	13490	10396	79020	79	79	131				
2/18/15	26	2	24	0										
2/19/15	29	10	21	3										
2/20/15	30	14	21	5										
2/21/15	32	4	28	0										
2/22/15	24	0	31	7										
2/23/15	28	24	18	15	13551	10458	79185	61	62	165				
2/24/15	28	0	52	24										
2/25/15	29	32	18	22										
2/26/15	26	27	17	18										
2/27/15	27	35	18	27										
2/28/15	29	35	19	25										
3/1/15	29	5	25	0										
3/2/15	16	32	8	23	13757	10663	79462	206	205	277				

BTBuzalski 2/11/2015

Definitions and Analysis		
Download System Analysis		
1	ΔEc	Incremental Energy Consumed
2	ΔEp	Incremental Energy Produced
3	ΔEg	Incremental Energy from Grid
4	$\Delta E-g$	Incremental Energy to Grid
Metered System Analysis		
5	MEp	Meter Energy Produced
6	ME-g	Meter Energy to Grid
7	MEg	Meter Energy from Grid
8	ΔMEp	Incremental Meter Energy Produced
9	$\Delta ME-g$	Incremental Meter Energy to Grid
10	ΔMEg	Incremental Meter Energy from Grid
Analysis		
11	879	kWh taken from the grid (Meter ΔMEg)
12	537	kWh Produced (Production Meter ΔMEp)
13	740	kWh Consumed (System ΔEc)
14	1416	kWh Energy delivered to Home ($\Delta MEp + \Delta MEg$)
15	676	kWh Unaccounted for ($\Delta MEp + \Delta MEg - \Delta Ec$)
16	1	kWh Difference between Production and Measured Exc
17	740	kWh ΔEc Calculated ($\Delta Ep - \Delta E-g + \Delta Eg$)
18	679	kWh $\Delta MEg = \Delta Ec - (\Delta Ep - \Delta E-g)$
19	879	Actual ΔMEg reading
20	200	kWh in excess charged
Month of February		
21	740	kWh Consumed (System ΔEc)
22	396	kWh Produced (Production Meter ΔMEp)
23	679	kWh Needed from the Grid (ΔEg)
24	335	kWh to the Grid ($\Delta E-g$) Calculated Excess energy
25	879	kWh Actual reading from the grid (ΔMEg)