

Your Recommended System

7.2 kW
PV System Size

13.6 kWh
Battery Storage

9,316 kWh
Estimated PV Generation

\$2,866
1st Year Utility Savings



Q CELLS

7.2 kW (DC) of Solar Power

(18) x 400 W panels
Hyundai Heavy Industries
Green Energy Co. HiA-S400HI

25-year Performance Warranty



DURACELL
POWER CENTER

5.22 kW(AC)
Microinverter

(18) x 350W Microinverters
Enphase Energy IQ8PLUS-72-
2-US

25-year Performance Warranty



DURACELL
POWER CENTER

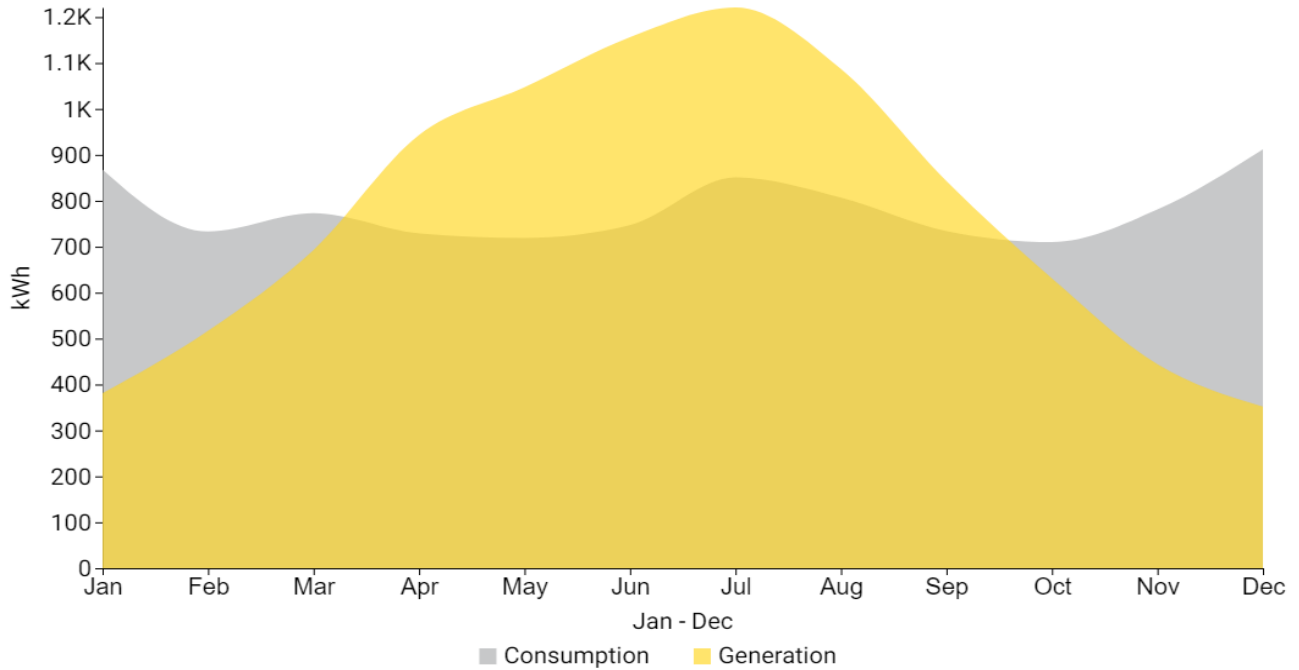
13.6 kWh Energy Storage

(1) x 13.6 kWh Battery Units
A Power

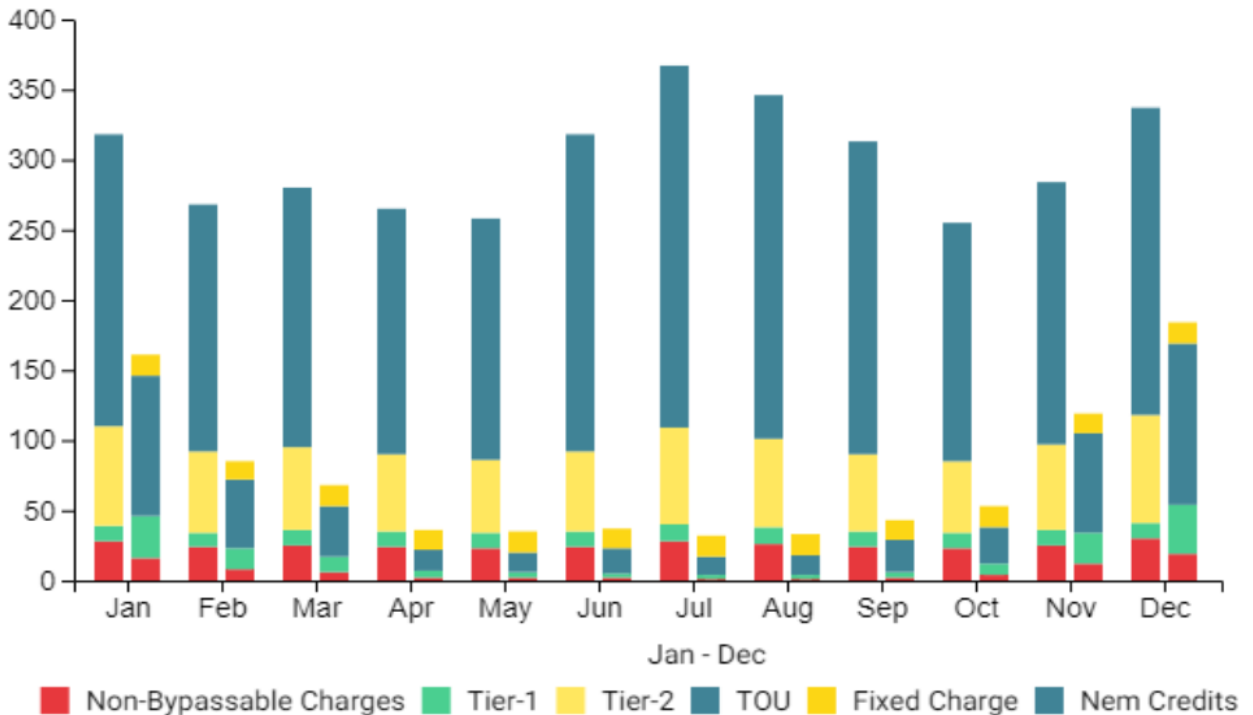
12-year Performance Warranty

Annual Energy Offset: 100.00%

This shows the total kWh electricity consumed (gray) compared to predicted solar generation (yellow)



Annual Cost Offset: 80.00%



FINANCIAL DETAILS

Total Project Cost:	\$39,100
30% Federal Tax Credit:	-\$11,730
Net Investment:	\$27,370
Simple Payback:	9 years
25 Year Net Savings:	\$105,515

UTILITY PROFILE

Electricity Provider:	Pacific Gas and Electric Company (PG&E)
Rate Schedule:	Residential Time of Use (Peak Pricing 4-9 pm Every Day) (E-TOU-C Area X Code B)
Utility Avg. Cost Per kWh:	\$0.385/kWh
Savings Per Solar kWh:	\$0.31/kWh
25 Year Net Savings:	\$105,515

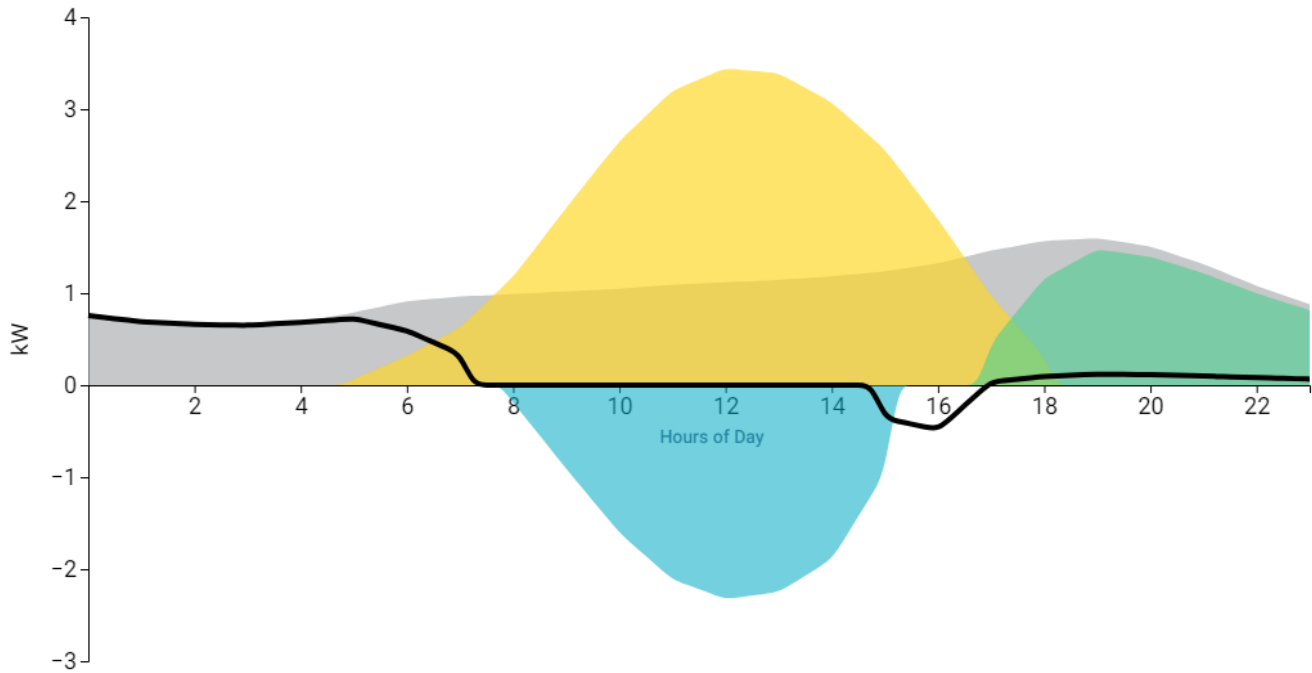
ENERGY OFFSET

Annual Usage:	9,363 kWh
Solar Generation:	9,316 kWh
Net Usage Year 1:	47 kWh
Annual kWh Offset:	100.00%

BILL SAVINGS

Current Annual Bill:	9,363 kWh
Net Cost Year 1:	\$734
Bill Reduction:	\$2,866
Year 1 Cost Offset:	80.00%

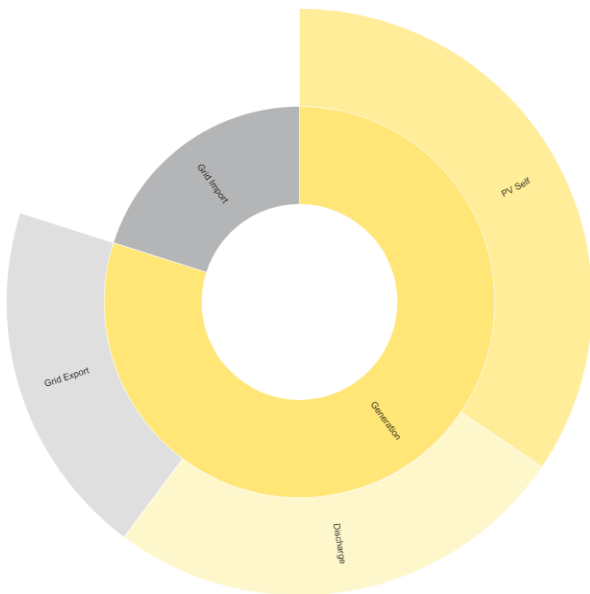
Energy flow – Typical day



Day Totals

● Pre-solar grid consumption 25.7 kWh	● Solar generation 25.5 kWh	● Post-solar grid consumption 4.9 kWh	● Storage charge 12.2 kWh	● Storage discharge 7.5 kWh
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Annual energy distribution

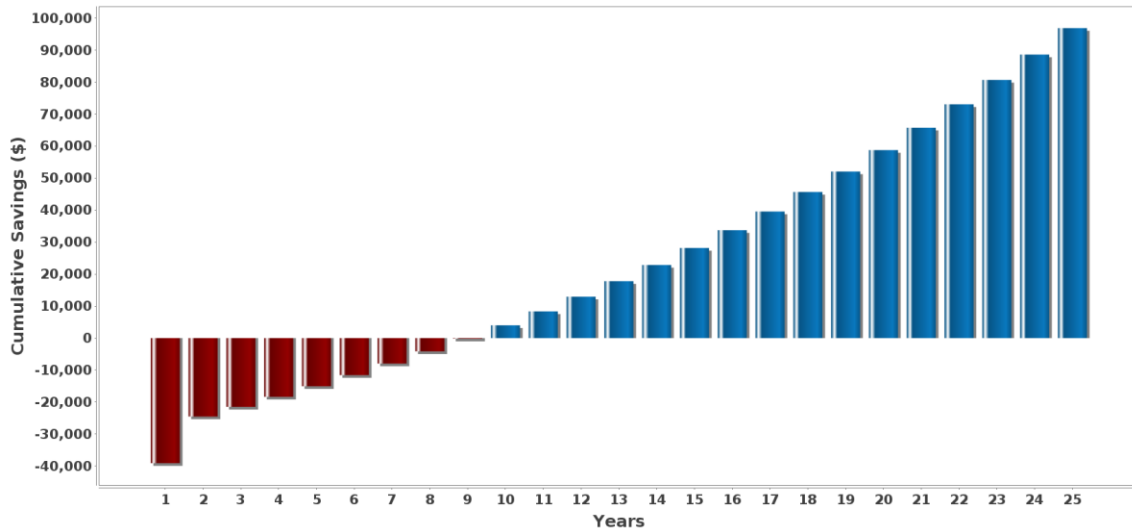


Current Annual kWh Usage:	9,363 kWh
Estimated Solar Generation:	9,316 kWh
Battery Discharge year One:	2998 kWh
Post Solar Net Grid Usage:	47 kWh
Grid Import year One:	2343 kWh
Export to Grid year One:	2295 kWh
Direct PV Self Consumption:	44%
Self-Consumption with Battery:	76%

FINANCE OPTIONS

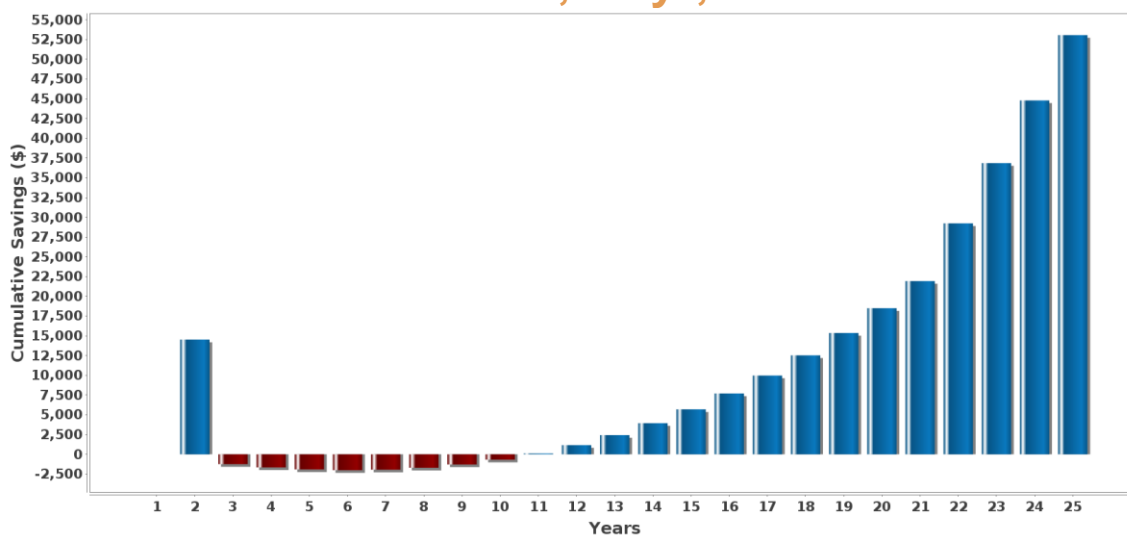
	Cash Purchase	Mosaic Loan, 20yr, 7.99%	Mosaic Loan, 20yr, 7.99%
Upfront Cost	\$39,100	\$0	\$0
Loan Amount	-	\$35,499	\$50,713
Loan Term	-	20 years	20 years
APR	-	7.99%	7.99%
Monthly Payment	-	\$297	\$424
Federal Tax Credit	\$11,730	\$15,214	\$15,214
Incentives	\$0	\$0	\$0
Combo Amount	-	\$15,214 (18 Months)	N/A (N/A)
New Total Monthly Payments	\$61	\$358	\$485
First year Cashflow	-\$24,504	\$14,520	-\$2,220
25 yr Net Savings	\$105,515	\$61,674	\$31,156
Simple Payback:	8.04 years	N/A	N/A
Investment IRR 25-yr:	13.39%	-1.61%	0.00%
Solar cost / kWh	\$0	\$0.35	\$0.41

Cash Purchase



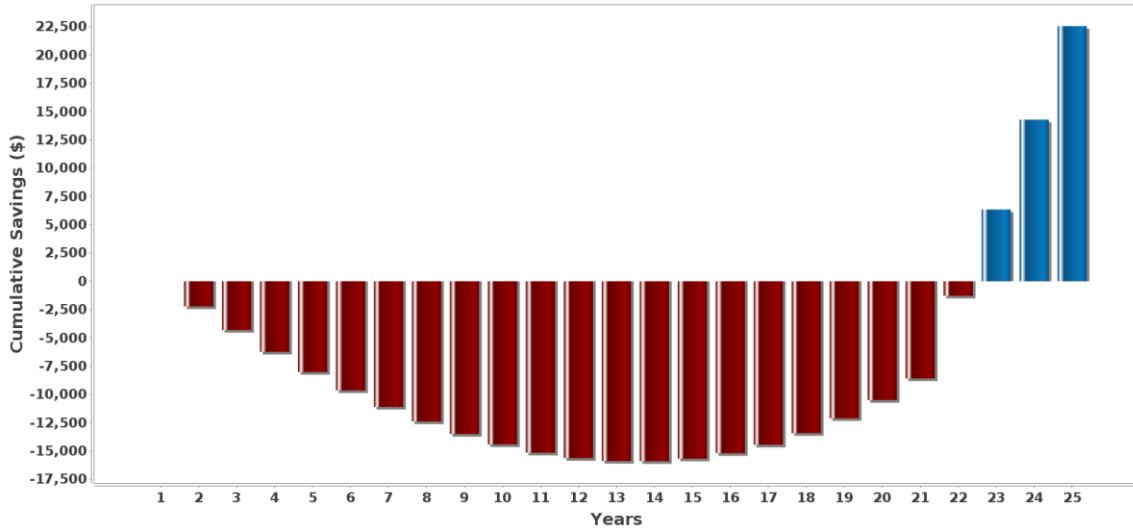
Year	Solar kWh Generation	Old Utility Bill	New Utility Bill	Utility Savings	Project Cost	Federal Tax Credit	Incentive/ Rebates	Annual Cashflow	Cumulative Cashflow
0	0	\$3,600	-	\$0	-\$39,100			-\$39,100	-\$39,100
1	9,316	\$3,600	\$734	\$2,866	\$0	\$11,730		\$14,596	-\$24,504
2	9,269	\$3,780	\$775	\$3,006	\$0			\$3,006	-\$21,498
3	9,223	\$3,969	\$818	\$3,151	\$0			\$3,151	-\$18,347
4	9,177	\$4,168	\$864	\$3,304	\$0			\$3,304	-\$15,043
5	9,131	\$4,376	\$913	\$3,463	\$0			\$3,463	-\$11,581
6	9,085	\$4,595	\$967	\$3,628	\$0			\$3,628	-\$7,952
7	9,040	\$4,825	\$1,024	\$3,801	\$0			\$3,801	-\$4,152
8	8,995	\$5,066	\$1,087	\$3,979	\$0			\$3,979	-\$173
9	8,950	\$5,319	\$1,156	\$4,163	\$0			\$4,163	\$3,990
10	8,905	\$5,585	\$1,234	\$4,352	\$0			\$4,352	\$8,342
11	8,861	\$5,864	\$1,254	\$4,610	\$0			\$4,610	\$12,952
12	8,816	\$6,158	\$1,324	\$4,834	\$0			\$4,834	\$17,786
13	8,772	\$6,465	\$1,398	\$5,068	\$0			\$5,068	\$22,854
14	8,728	\$6,789	\$1,476	\$5,312	\$0			\$5,312	\$28,166
15	8,685	\$7,128	\$1,560	\$5,568	\$0			\$5,568	\$33,734
16	8,641	\$7,485	\$1,650	\$5,834	\$0			\$5,834	\$39,568
17	8,598	\$7,859	\$1,747	\$6,111	\$0			\$6,111	\$45,680
18	8,555	\$8,252	\$1,853	\$6,399	\$0			\$6,399	\$52,079
19	8,512	\$8,664	\$1,969	\$6,695	\$0			\$6,695	\$58,774
20	8,470	\$9,098	\$2,099	\$6,999	\$0			\$6,999	\$65,773
21	8,427	\$9,552	\$2,244	\$7,308	\$0			\$7,308	\$73,081
22	8,385	\$10,030	\$2,407	\$7,623	\$0			\$7,623	\$80,704
23	8,343	\$10,532	\$2,589	\$7,942	\$0			\$7,942	\$88,646
24	8,302	\$11,058	\$2,789	\$8,270	\$0			\$8,270	\$96,916
25	8,260	\$11,611	\$3,012	\$8,599	\$0			\$8,599	\$105,515
Total	219,447 kWh	\$171,828	\$38,943	\$132,885					

Mosaic Loan, 20yr, 7.99%



Year	Solar kWh Generation	Old Utility Bill	New Utility Bill	Utility Savings	Finance Payments	Federal Tax Credit	Incentive/ Rebates	Annual Cashflow	Cumulative Cashflow
0	0	\$3,600	-	\$0					
1	9,316	\$3,600	\$734	\$2,866	\$3,561	\$15,214		\$14,520	\$14,520
2	9,269	\$3,780	\$775	\$3,006	\$18,775			-\$15,769	-\$1,249
3	9,223	\$3,969	\$818	\$3,151	\$3,561			-\$409	-\$1,658
4	9,177	\$4,168	\$864	\$3,304	\$3,561			-\$257	-\$1,915
5	9,131	\$4,376	\$913	\$3,463	\$3,561			-\$98	-\$2,013
6	9,085	\$4,595	\$967	\$3,628	\$3,561			\$68	-\$1,945
7	9,040	\$4,825	\$1,024	\$3,801	\$3,561			\$240	-\$1,705
8	8,995	\$5,066	\$1,087	\$3,979	\$3,561			\$418	-\$1,287
9	8,950	\$5,319	\$1,156	\$4,163	\$3,561			\$603	-\$684
10	8,905	\$5,585	\$1,234	\$4,352	\$3,561			\$791	\$107
11	8,861	\$5,864	\$1,254	\$4,610	\$3,561			\$1,050	\$1,157
12	8,816	\$6,158	\$1,324	\$4,834	\$3,561			\$1,273	\$2,430
13	8,772	\$6,465	\$1,398	\$5,068	\$3,561			\$1,507	\$3,937
14	8,728	\$6,789	\$1,476	\$5,312	\$3,561			\$1,752	\$5,689
15	8,685	\$7,128	\$1,560	\$5,568	\$3,561			\$2,007	\$7,696
16	8,641	\$7,485	\$1,650	\$5,834	\$3,561			\$2,274	\$9,970
17	8,598	\$7,859	\$1,747	\$6,111	\$3,561			\$2,551	\$12,521
18	8,555	\$8,252	\$1,853	\$6,399	\$3,561			\$2,838	\$15,359
19	8,512	\$8,664	\$1,969	\$6,695	\$3,561			\$3,135	\$18,494
20	8,470	\$9,098	\$2,099	\$6,999	\$3,561			\$3,438	\$21,933
21	8,427	\$9,552	\$2,244	\$7,308				\$7,308	\$29,241
22	8,385	\$10,030	\$2,407	\$7,623				\$7,623	\$36,863
23	8,343	\$10,532	\$2,589	\$7,942				\$7,942	\$44,806
24	8,302	\$11,058	\$2,789	\$8,270				\$8,270	\$53,075
25	8,260	\$11,611	\$3,012	\$8,599				\$8,599	\$61,674
Total	219,447 kWh	\$171,828	\$38,943	\$132,885					

Mosaic Loan, 20yr, 7.99%



Year	Solar kWh Generation	Old Utility Bill	New Utility Bill	Utility Savings	Finance Payments	Federal Tax Credit	Incentive/ Rebates	Annual Cashflow	Cumulative Cashflow
0	0	\$3,600	-	\$0					
1	9,316	\$3,600	\$734	\$2,866	\$20,300	\$15,214		-\$2,220	-\$2,220
2	9,269	\$3,780	\$775	\$3,006	\$5,086			-\$2,081	-\$4,301
3	9,223	\$3,969	\$818	\$3,151	\$5,086			-\$1,935	-\$6,236
4	9,177	\$4,168	\$864	\$3,304	\$5,086			-\$1,783	-\$8,019
5	9,131	\$4,376	\$913	\$3,463	\$5,086			-\$1,624	-\$9,643
6	9,085	\$4,595	\$967	\$3,628	\$5,086			-\$1,458	-\$11,101
7	9,040	\$4,825	\$1,024	\$3,801	\$5,086			-\$1,286	-\$12,387
8	8,995	\$5,066	\$1,087	\$3,979	\$5,086			-\$1,107	-\$13,494
9	8,950	\$5,319	\$1,156	\$4,163	\$5,086			-\$923	-\$14,418
10	8,905	\$5,585	\$1,234	\$4,352	\$5,086			-\$735	-\$15,153
11	8,861	\$5,864	\$1,254	\$4,610	\$5,086			-\$476	-\$15,629
12	8,816	\$6,158	\$1,324	\$4,834	\$5,086			-\$253	-\$15,881
13	8,772	\$6,465	\$1,398	\$5,068	\$5,086			-\$19	-\$15,900
14	8,728	\$6,789	\$1,476	\$5,312	\$5,086			\$226	-\$15,674
15	8,685	\$7,128	\$1,560	\$5,568	\$5,086			\$481	-\$15,193
16	8,641	\$7,485	\$1,650	\$5,834	\$5,086			\$748	-\$14,445
17	8,598	\$7,859	\$1,747	\$6,111	\$5,086			\$1,025	-\$13,420
18	8,555	\$8,252	\$1,853	\$6,399	\$5,086			\$1,312	-\$12,108
19	8,512	\$8,664	\$1,969	\$6,695	\$5,086			\$1,609	-\$10,499
20	8,470	\$9,098	\$2,099	\$6,999	\$5,086			\$1,912	-\$8,586
21	8,427	\$9,552	\$2,244	\$7,308				\$7,308	-\$1,278
22	8,385	\$10,030	\$2,407	\$7,623				\$7,623	\$6,345
23	8,343	\$10,532	\$2,589	\$7,942				\$7,942	\$14,287
24	8,302	\$11,058	\$2,789	\$8,270				\$8,270	\$22,557
25	8,260	\$11,611	\$3,012	\$8,599				\$8,599	\$61,674
Total	219,447 kWh	\$171,828	\$38,943	\$132,885					