

Prepared For Reclamation District #2044 209-601-9624 arcoon@arcoonlaw.com



Prepared By Renewable Technologies Inc (209) 256-0675 info@renewable.com

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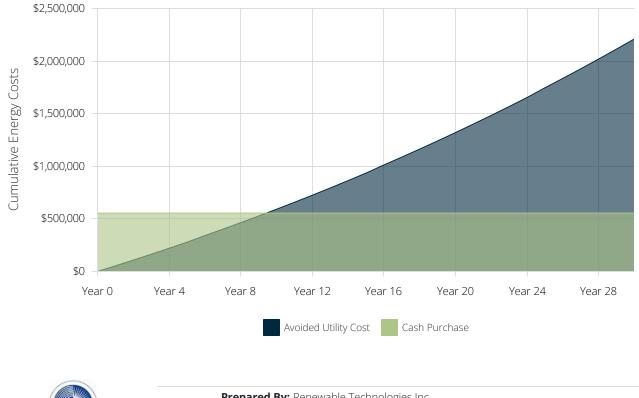


1 Project Summary

Payment Options	Cash Purchase
IRR - Term	11.0%
LCOE PV Generation	\$0.068 /kWh
Net Present Value	\$497,703
Payback Period	9.4 Years
Total Payments	\$555,000
Total Incentives	\$0
Net Payments	\$555,000
Electric Bill Savings - Term	\$2,211,001
Upfront Payment	\$555,000

Combined Solar PV Rating

Power Rating: 186,200 W-DC Power Rating: 162,191 W-AC-CEC



Cumulative Energy Costs By Payment Option

RENEWABLE TECHNOLOGIES INCORPORATED

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2.1.1 PV System Details

General Information

Facility: SAID# 1835447004 Address: 11521 Eight Mile Rd Stockton CA 95219

Solar PV Equipment Description

Solar Panels:14.9 kW-DC Standard ModulesInverters:Standard Inverter

Solar PV Equipment Typical Lifespan

Solar Panels:Greater than 30 YearsInverters:15 Years

Solar PV System Cost and Incentives

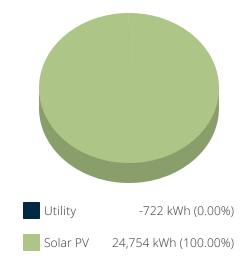
Net Solar PV System Cost	\$44,400
Solar PV System Cost	\$44,400

Solar PV System Rating

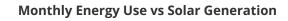
Power Rating: 14,866 W-DC Power Rating: 12,949 W-AC-CEC

Energy Consumption Mix

Annual Energy Use: 24,032 kWh



15,000 10,000 5,000 0 10,22 5,000 0 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 10,22 1





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2.1.2 Rebates and Incentives

This section summarizes all incentives available for this project. The actual rebate and incentive amounts for this project are shown in each example.



2.1.3 Utility Rates

The table below shows the rates associate with your current utility rate schedule (AG-C). Your estimated electric bills after solar are shown on the following page.

	Customer	Charges			Energy	Charges		Demand Charges				
Season	Charge Type	Rate Type	AG-C	Season	Charge Type	Rate Type	AG-C	Season	Charge Type	Rate Type	AG-C	
S	Flat Rate	per day	\$1.43	S	On Peak	Import	\$0.22674	S	Flat Rate	Import	\$13.14	
W	Flat Rate	per day	\$1.43	S	Off Peak	Import	\$0.1873	W	Flat Rate	Import	\$13.14	
				W	On Peak	Import	\$0.19895	S	On Peak	Import	\$25.19	
				W	Off Peak	Import	\$0.17326					

2.1.4 Current Electric Bill

The table below shows your annual electricity costs based on the most current utility rates and your previous 12 months of electrical usage.

Time Periods	Energy L	Jse (kWh)	Max Dem	and (kW)			Charg	es	
Bill Ranges & Seasons	On Peak	Off Peak	NC / Max	On Peak	Other	NBC	Energy	Demand	Total
1/13/2023 - 2/13/2023 W	1,256	9,423	60	-	\$44	\$286	\$1,596	\$788	\$2,715
2/13/2022 - 3/13/2022 W	0	0	0	-	\$40	\$0	\$0	\$0	\$40
3/13/2022 - 4/13/2022 W	0	0	0	-	\$44	\$0	\$0	\$0	\$44
4/13/2022 - 5/13/2022 W	0	0	0	-	\$43	\$0	\$0	\$0	\$43
5/13/2022 - 6/13/2022 W / S	0	12	17	0	\$44	\$0	\$2	\$86	\$133
6/13/2022 - 7/13/2022 S	0	48	26	0	\$43	\$1	\$8	\$342	\$394
7/13/2022 - 8/13/2022 S	0	55	31	0	\$44	\$1	\$9	\$407	\$462
8/13/2022 - 9/13/2022 S	0	22	22	0	\$44	\$1	\$4	\$289	\$338
9/13/2022 - 10/13/2022 S / W	0	10	24	0	\$43	\$0	\$2	\$189	\$234
10/13/2022 - 11/13/2022 W	0	3	14	-	\$44	\$0	\$0	\$184	\$229
11/13/2022 - 12/13/2022 W	12	134	52	-	\$43	\$4	\$22	\$683	\$752
12/13/2022 - 1/13/2023 W	1,781	11,275	88	-	\$44	\$350	\$1,958	\$1,156	\$3,509
Total	3,049	20,982	-	-	\$523	\$644	\$3,600	\$4,126	\$8,893

Rate Schedule: PG&E - AG-C



2.1.5 New Electric Bill

Rate Schedule: PG&E - AG-C

Time Periods	Energy L	Jse (kWh)	Max Dem	and (kW)			Charg	jes	
Bill Ranges & Seasons	On Peak	Off Peak	NC / Max	On Peak	Other	NBC	Energy	Demand	Total
1/13/2023 - 2/13/2023 W	1,250	8,442	59	-	\$44	\$279	\$1,452	\$775	\$2,550
2/13/2022 - 3/13/2022 W	-21	-1,480	0	-	\$40	\$0	\$220	\$0	\$180
3/13/2022 - 4/13/2022 W	-182	-2,170	0	-	\$44	\$0	\$349	\$0	\$305
4/13/2022 - 5/13/2022 W	-224	-2,409	0	-	\$43	\$0	\$391	\$0	\$348
5/13/2022 - 6/13/2022 W / S	-284	-2,657	14	0	\$44	\$0	\$456	\$71	\$340
6/13/2022 - 7/13/2022 S	-322	-2,656	20	0	\$43	\$1	\$491	\$263	\$184
7/13/2022 - 8/13/2022 S	-305	-2,636	31	0	\$44	\$1	\$484	\$407	\$32
8/13/2022 - 9/13/2022 S	-216	-2,481	14	0	\$44	\$0	\$441	\$184	\$213
9/13/2022 - 10/13/2022 S / W	-105	-1,930	21	0	\$43	\$0	\$320	\$166	\$111
10/13/2022 - 11/13/2022 W	-37	-1,607	12	-	\$44	\$0	\$242	\$158	\$40
11/13/2022 - 12/13/2022 W	12	-886	46	-	\$43	\$3	\$128	\$604	\$523
12/13/2022 - 1/13/2023 W	1,779	10,403	88	-	\$44	\$345	\$1,830	\$1,156	\$3,376
Total	1,345	-2,067	-	-	\$523	\$629	\$36	\$3,785	\$4,901

Annual Electricity Savings: \$3,992



2.2.1 PV System Details

General Information

Facility:SAID# 1205496082Address:11521 Eight Mile Rd Stockton CA 95219

Solar PV Equipment Description

Solar Panels:171.3 kW-DC Standard ModulesInverters:Standard Inverter

Solar PV Equipment Typical Lifespan

Solar Panels:Greater than 30 YearsInverters:15 Years

Solar PV System Cost and Incentives

Solar PV System Cost	\$510,600

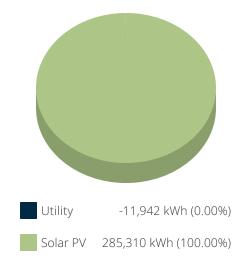
Net Solar PV System Cost \$510,600

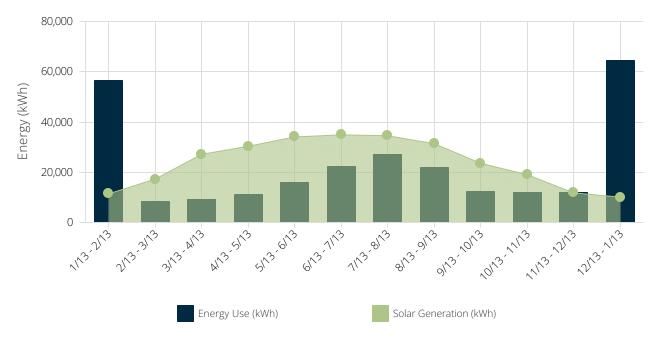
Solar PV System Rating

Power Rating: 171,334 W-DC Power Rating: 149,242 W-AC-CEC

Energy Consumption Mix

Annual Energy Use: 273,368 kWh





Monthly Energy Use vs Solar Generation



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2.2.2 Rebates and Incentives

This section summarizes all incentives available for this project. The actual rebate and incentive amounts for this project are shown in each example.



2.2.3 Utility Rates

The table below shows the rates associate with your current utility rate schedule (AG-C). Your estimated electric bills after solar are shown on the following page.

	Customer	^r Charges			Energy	Charges		Demand Charges				
Season	Charge Type	Rate Type	AG-C	Season	Charge Type	Rate Type	AG-C	Season	Charge Type	Rate Type	AG-C	
S	Flat Rate	per day	\$1.43	S	On Peak	Import	\$0.22674	S	Flat Rate	Import	\$13.14	
W	Flat Rate	per day	\$1.43	S	Off Peak	Import	\$0.1873	W	Flat Rate	Import	\$13.14	
				W	On Peak	Import	\$0.19895	S	On Peak	Import	\$25.19	
				W	Off Peak	Import	\$0.17326					

2.2.4 Current Electric Bill

The table below shows your annual electricity costs based on the most current utility rates and your previous 12 months of electrical usage.

Time Periods	Energy L	Jse (kWh)	Wh) Max Demand (kW)			Charges				
Bill Ranges & Seasons	On Peak	Off Peak	NC / Max	On Peak	Other	NBC	Energy	Demand	Total	
1/13/2023 - 2/13/2023 W	6,186	50,374	212	-	\$44	\$1,515	\$8,443	\$2,786	\$12,789	
2/13/2022 - 3/13/2022 W	867	7,521	68	-	\$40	\$225	\$1,251	\$894	\$2,409	
3/13/2022 - 4/13/2022 W	1,347	7,877	62	-	\$44	\$247	\$1,386	\$815	\$2,492	
4/13/2022 - 5/13/2022 W	741	10,323	77	-	\$43	\$296	\$1,640	\$1,012	\$2,991	
5/13/2022 - 6/13/2022 W / S	2,376	13,743	67	60	\$44	\$432	\$2,565	\$1,440	\$4,481	
6/13/2022 - 7/13/2022 S	2,910	19,334	136	68	\$43	\$596	\$3,685	\$3,500	\$7,824	
7/13/2022 - 8/13/2022 S	2,929	24,022	128	68	\$44	\$722	\$4,441	\$3,395	\$8,603	
8/13/2022 - 9/13/2022 S	2,237	19,741	129	129	\$44	\$589	\$3,616	\$4,945	\$9,194	
9/13/2022 - 10/13/2022 S / W	1,417	10,748	61	61	\$43	\$326	\$1,947	\$1,724	\$4,039	
10/13/2022 - 11/13/2022 W	691	11,205	62	-	\$44	\$319	\$1,760	\$815	\$2,938	
11/13/2022 - 12/13/2022 W	905	11,220	210	-	\$43	\$325	\$1,799	\$2,759	\$4,926	
12/13/2022 - 1/13/2023 W	8,486	56,170	210	-	\$44	\$1,732	\$9,688	\$2,759	\$14,224	
Total	31,092	242,278	-	-	\$523	\$7,324	\$42,221	\$26,842	\$76,910	

Rate Schedule: PG&E - AG-C



2.2.5 New Electric Bill

Rate Schedule: PG&E - AG-C

Time Periods	Energy l	Jse (kWh)	Max Dem	and (kW)			Charge	es	
Bill Ranges & Seasons	On Peak	Off Peak	NC / Max	On Peak	Other	NBC	Energy	Demand	Total
1/13/2023 - 2/13/2023 W	6,119	39,069	208	-	\$44	\$1,305	\$6,776	\$2,733	\$10,858
2/13/2022 - 3/13/2022 W	620	-9,536	68	-	\$40	\$152	\$1,290	\$894	\$205
3/13/2022 - 4/13/2022 W	-749	-17,134	62	-	\$44	\$142	\$2,638	\$815	\$1,637
4/13/2022 - 5/13/2022 W	-1,840	-17,445	62	-	\$43	\$169	\$2,872	\$815	\$1,845
5/13/2022 - 6/13/2022 W / S	-902	-17,012	66	56	\$44	\$260	\$2,716	\$1,393	\$1,019
6/13/2022 - 7/13/2022 S	-802	-11,835	129	60	\$43	\$298	\$2,060	\$3,206	\$1,487
7/13/2022 - 8/13/2022 S	-589	-6,985	68	65	\$44	\$308	\$1,239	\$2,531	\$1,644
8/13/2022 - 9/13/2022 S	-250	-9,109	71	71	\$44	\$289	\$1,512	\$2,721	\$1,543
9/13/2022 - 10/13/2022 S / W	206	-11,618	61	61	\$43	\$162	\$1,761	\$1,724	\$168
10/13/2022 - 11/13/2022 W	265	-7,356	62	-	\$44	\$144	\$1,032	\$815	\$29
11/13/2022 - 12/13/2022 W	897	-545	147	-	\$43	\$224	\$75	\$1,932	\$2,273
12/13/2022 - 1/13/2023 W	8,470	46,121	210	-	\$44	\$1,553	\$8,213	\$2,759	\$12,570
Total	11,445	-23,385	-	-	\$523	\$5,006	\$597	\$22,337	\$27,269

Annual Electricity Savings: \$49,641



IRR - Term	11.0%	Net Present Value	\$497,703	Payback Period	9.4 Years
ROI	298.4%	PV Degradation Rate	0.80%	Discount Rate	5.0%
Energy Cost Escalation Rate	3.0%	Federal Income Tax Rate	30.0%	State Income Tax Rate	8.0%
Total Project Costs	\$555,000				

Upfront -\$555,000 -\$555,000 -\$555,000 1 - \$53,633 \$53,633 \$501,367 2 - \$54,800 \$54,800 \$446,567 3 - \$55,989 \$55,989 \$333,379 4 - \$57,200 \$333,379 5 - \$58,433 \$224,946 6 - \$59,688 \$59,688 \$215,258 7 - \$60,967 \$60,967 \$154,291 8 - \$62,268 \$62,208 \$320,203 9 - \$63,592 \$28,431 \$100,2821 10 - \$66,312 \$66,312 \$102,821 11 - \$66,707 \$67,707 \$170,529 13 - \$61,127 \$69,127 \$239,656 14 - \$70,571 \$70,571 \$310,226 15 - \$72,039 \$322,255 \$36,594 16 - \$73,531 \$77,594	Years	Project Costs	Electric Bill Savings	Total Cash Flow	Cumulative Cash Flow
2 - \$\$4,800 \$\$4,800 \$\$4,800 \$\$446,567 3 - \$\$55,989 \$\$55,989 \$\$390,578 4 - \$\$7,200 \$\$7,200 \$\$333,379 5 - \$\$8,433 \$\$58,433 \$\$274,946 6 - \$\$59,688 \$\$59,688 \$\$215,258 7 - \$60,967 \$60,967 \$\$154,291 8 - \$\$22,268 \$62,268 \$\$99,203 9 - \$\$63,592 \$\$28,431 \$\$99,023 10 - \$\$64,940 \$\$64,940 \$\$36,509 11 - \$\$66,312 \$\$66,312 \$\$102,821 12 - \$\$67,707 \$\$67,707 \$\$170,529 13 - \$\$69,127 \$\$29,656 14 - \$\$72,039 \$\$382,265 16 - \$\$73,531 \$\$73,531 \$\$67,591 17 - \$\$75,049 \$\$75,049 \$\$50,845 18 <	Upfront	-\$555,000	-	-\$555,000	-\$555,000
3 - \$55,989 \$55,989 \$4390,578 4 - \$57,200 \$57,200 \$4333,379 5 - \$58,433 \$58,433 \$527,900 \$4333,379 6 - \$59,688 \$59,688 \$215,258 7 - \$60,967 \$60,967 \$154,291 8 - \$62,268 \$62,268 \$59,202 9 - \$63,592 \$63,592 \$28,431 10 - \$66,312 \$66,312 \$102,821 11 - \$66,312 \$66,312 \$102,821 12 - \$67,707 \$67,707 \$170,529 13 - \$69,127 \$69,127 \$239,656 14 - \$70,571 \$710,571 \$310,226 15 - \$72,039 \$72,039 \$32,265 16 - \$73,531 \$73,531 \$455,796 17 - \$75,649 \$76,591 \$607,436	1	-	\$53,633	\$53,633	-\$501,367
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6 - \$\$9,688 \$\$9,688 \$\$215,258 7 - \$60,967 \$60,967 \$154,291 8 - \$62,268 \$62,268 \$92,023 9 - \$63,592 \$63,592 \$28,431 10 - \$64,940 \$46,940 \$36,599 11 - \$66,312 \$102,821 \$102,821 12 - \$67,707 \$66,717 \$170,529 13 - \$69,127 \$239,656 14 - \$70,571 \$71,531 \$310,226 15 - \$72,039 \$72,039 \$382,265 16 - \$73,531 \$75,049 \$530,845 18 - \$75,049 \$76,591 \$607,436 19 - \$78,158 \$78,158 \$685,594 20 - \$79,751 \$79,751 \$75,345 21 - \$88,011 \$88,011 \$929,724 23 - \$88,6	4	-	\$57,200	\$57,200	-\$333,379
7 - \$60,967 \$60,967 \$154,291 8 - \$62,268 \$62,268 \$92,023 9 - \$63,592 \$63,592 \$28,431 10 - \$66,312 \$66,312 \$102,821 11 - \$66,312 \$66,312 \$102,821 12 - \$67,707 \$67,707 \$170,529 13 - \$69,127 \$69,127 \$239,656 14 - \$70,571 \$72,039 \$382,265 16 - \$73,531 \$73,531 \$455,796 17 - \$75,049 \$75,049 \$530,845 18 - \$76,591 \$76,591 \$607,436 19 - \$78,158 \$78,158 \$685,594 20 - \$79,751 \$76,591 \$765,345 21 - \$83,011 \$83,011 \$92,92,724 23 - \$84,679 \$1,014,404 <tr td=""> \$84,679 \$1,014,404<</tr>	5	-	\$58,433	\$58,433	-\$274,946
8 - \$62,268 \$62,268 \$92,023 9 - \$63,592 \$63,592 \$28,431 10 - \$66,312 \$66,312 \$102,821 11 - \$66,312 \$66,312 \$102,821 12 - \$67,707 \$67,707 \$170,529 13 - \$69,127 \$69,127 \$239,656 14 - \$70,571 \$70,571 \$310,226 15 - \$72,039 \$72,039 \$382,265 16 - \$73,531 \$73,531 \$455,796 17 - \$75,049 \$75,049 \$530,845 18 - \$76,591 \$76,591 \$607,436 19 - \$78,158 \$78,158 \$685,594 20 - \$79,751 \$76,591 \$765,345 21 - \$81,368 \$84,679 \$1,014,404 24 - \$86,373 \$86,373 \$1,100,777 25	6	-	\$59,688	\$59,688	-\$215,258
9 - \$63,592 \$63,592 \$28,431 10 - \$64,940 \$64,940 \$36,599 11 - \$66,312 \$66,312 \$102,821 12 - \$67,707 \$67,707 \$170,529 13 - \$69,127 \$69,127 \$239,656 14 - \$70,571 \$70,571 \$310,226 15 - \$72,039 \$72,039 \$382,265 16 - \$73,531 \$73,531 \$455,796 17 - \$75,049 \$75,049 \$530,845 18 - \$76,591 \$76,591 \$607,436 19 - \$78,158 \$78,158 \$685,594 20 - \$79,751 \$77,573 \$765,345 21 - \$81,368 \$81,368 \$84,679 22 - \$88,092 \$88,092 \$1,14,404 24 - \$86,373 \$86,373 \$1,100,777 25	7	-	\$60,967	\$60,967	-\$154,291
10-\$64,940\$64,940\$36,50911-\$66,312\$66,312\$102,82112-\$67,707\$67,707\$170,52913-\$69,127\$69,127\$239,65614-\$70,571\$70,571\$310,22615-\$72,039\$72,039\$382,26516-\$73,531\$73,531\$455,79617-\$75,049\$75,049\$530,84518-\$76,591\$76,591\$607,43619-\$78,158\$78,158\$685,59420-\$79,751\$76,545\$76,54521-\$83,011\$83,011\$929,72423-\$84,679\$84,679\$1,01,4,40424-\$88,922\$88,922\$1,188,86926-\$89,836\$89,836\$1,278,70527-\$91,606\$91,606\$1,370,31128-\$93,401\$93,401\$1,463,71329-\$95,222\$95,222\$1,558,93430-\$97,067\$97,067\$1,65,001	8	-	\$62,268	\$62,268	-\$92,023
11-\$66,312\$66,312\$102,82112-\$67,707\$67,707\$170,52913-\$69,127\$69,127\$239,65614-\$70,571\$70,571\$310,22615-\$72,039\$72,039\$382,26516-\$73,531\$73,531\$455,79617-\$75,049\$75,049\$530,84518-\$76,591\$76,591\$607,43619-\$78,158\$78,158\$685,59420-\$79,751\$79,751\$765,34521-\$81,368\$81,368\$846,71322-\$83,011\$83,011\$929,72423-\$86,373\$86,373\$1,100,77725-\$88,092\$88,092\$1,188,86926-\$89,836\$89,836\$1,278,70527-\$91,606\$91,606\$1,370,31128-\$93,401\$93,401\$1,463,71329-\$95,222\$95,222\$1,588,93430-\$97,067\$97,067\$1,656,001	9	-	\$63,592	\$63,592	-\$28,431
12-\$67,707\$67,707\$170,52913-\$69,127\$69,127\$239,65614-\$70,571\$70,571\$310,22615-\$72,039\$72,039\$382,26516-\$73,531\$73,531\$455,79617-\$75,049\$75,049\$530,84518-\$76,591\$76,591\$607,43619-\$78,158\$78,158\$685,59420-\$79,751\$779,751\$765,34521-\$81,368\$81,368\$846,71322-\$83,011\$83,011\$929,72423-\$84,679\$84,679\$1,014,40424-\$86,373\$86,373\$1,100,77725-\$88,092\$88,092\$1,188,86926-\$89,836\$91,606\$11,370,31128-\$93,401\$93,401\$1,463,71329-\$95,222\$95,222\$1,558,93430-\$97,067\$97,067\$1,66,001	10	-	\$64,940	\$64,940	\$36,509
13-\$69,127\$69,127\$239,65614-\$70,571\$70,571\$310,22615-\$72,039\$72,039\$382,26516-\$73,531\$73,531\$455,79617-\$75,049\$75,049\$530,84518-\$76,591\$76,591\$607,43619-\$78,158\$78,158\$685,59420-\$79,751\$79,751\$765,34521-\$81,368\$81,368\$846,71322-\$83,011\$83,011\$929,72423-\$86,373\$86,373\$1,100,77725-\$88,092\$88,092\$1,188,86926-\$89,836\$89,836\$1,278,70527-\$91,606\$91,606\$1,370,31128-\$93,401\$93,401\$1,463,71329-\$97,067\$97,067\$1,656,001	11	-	\$66,312	\$66,312	\$102,821
14-\$70,571\$70,571\$310,22615-\$72,039\$72,039\$382,26516-\$73,531\$73,531\$455,79617-\$75,049\$75,049\$530,84518-\$76,591\$76,591\$607,43619-\$78,158\$78,158\$685,59420-\$79,751\$79,751\$76,534521-\$81,368\$81,368\$84,67322-\$83,011\$83,011\$929,72423-\$84,679\$84,679\$1,00,77725-\$88,092\$88,092\$1,188,86926-\$89,836\$89,836\$1,278,70527-\$91,606\$91,606\$1,370,31128-\$93,401\$93,401\$1,463,71329-\$95,222\$95,222\$1,558,93430-\$97,067\$97,067\$1,656,001	12	-	\$67,707	\$67,707	\$170,529
15-\$72,039\$72,039\$382,26516-\$73,531\$73,531\$455,79617-\$75,049\$75,049\$530,84518-\$76,591\$76,591\$607,43619-\$78,158\$78,158\$685,59420-\$79,751\$79,751\$765,34521-\$81,368\$81,368\$846,71322-\$83,011\$83,011\$929,72423-\$86,373\$86,373\$1,100,77725-\$88,092\$88,092\$1,188,86926-\$89,836\$89,836\$1,278,70527-\$91,606\$91,606\$1,370,31128-\$93,401\$93,401\$1,463,71329-\$97,067\$97,067\$1,65,001	13	-	\$69,127	\$69,127	\$239,656
16•\$73,531\$73,531\$455,79617-\$75,049\$75,049\$530,84518-\$76,591\$76,591\$607,43619-\$78,158\$78,158\$685,59420-\$79,751\$779,751\$765,34521-\$81,368\$81,368\$846,71322-\$83,011\$83,011\$929,72423-\$86,373\$86,373\$1,101,77725-\$86,373\$86,373\$1,100,77725-\$89,836\$89,836\$1,278,70527-\$91,606\$91,606\$1,370,31128-\$93,401\$93,401\$1,463,71329-\$95,222\$95,222\$1,558,93430-\$97,067\$97,067\$1,656,001	14	-	\$70,571	\$70,571	\$310,226
17-\$75,049\$75,049\$530,84518-\$76,591\$76,591\$607,43619-\$78,158\$78,158\$685,59420-\$79,751\$79,751\$765,34521-\$81,368\$81,368\$846,71322-\$83,011\$83,011\$929,72423-\$86,373\$86,373\$1,00,77725-\$88,092\$88,092\$1,188,86926-\$89,836\$89,836\$1,278,70527-\$91,606\$91,606\$11,370,31128-\$93,401\$93,401\$1,463,71329-\$95,222\$95,222\$1,558,93430-\$97,067\$97,067\$1,656,001	15	-	\$72,039	\$72,039	\$382,265
18-\$76,591\$76,591\$607,43619-\$78,158\$78,158\$685,59420-\$79,751\$79,751\$765,34521-\$81,368\$81,368\$846,71322-\$83,011\$83,011\$929,72423-\$84,679\$84,679\$1,014,40424-\$86,373\$86,373\$1,100,77725-\$88,092\$88,092\$1,188,86926-\$89,836\$89,836\$1,278,70527-\$91,606\$91,606\$1,370,31128-\$93,401\$93,401\$1,463,71329-\$95,222\$95,222\$1,558,93430-\$97,067\$97,067\$1,656,001	16	-	\$73,531	\$73,531	\$455,796
19-\$78,158\$78,158\$685,59420-\$79,751\$70,751\$765,34521-\$81,368\$81,368\$846,71322-\$83,011\$83,011\$929,72423-\$84,679\$84,679\$1,014,40424-\$86,373\$86,373\$1,100,77725-\$88,092\$88,092\$1,188,86926-\$89,836\$89,836\$1,278,70527-\$91,606\$91,606\$1,370,31128-\$93,401\$93,401\$1,463,71329-\$95,222\$95,222\$1,558,93430-\$97,067\$97,067\$1,656,001	17	-	\$75,049	\$75,049	\$530,845
20-\$79,751\$79,751\$765,34521-\$81,368\$81,368\$846,71322-\$83,011\$83,011\$929,72423-\$84,679\$84,679\$1,014,40424-\$86,373\$86,373\$1,100,77725-\$88,092\$88,092\$1,188,86926-\$89,836\$89,836\$1,278,70527-\$91,606\$91,606\$1,370,31128-\$93,401\$93,401\$1,463,71329-\$95,222\$95,222\$1,558,93430-\$97,067\$97,067\$1,656,001	18	-	\$76,591	\$76,591	\$607,436
21-\$81,368\$81,368\$846,71322-\$83,011\$83,011\$929,72423-\$84,679\$84,679\$1,014,40424-\$86,373\$86,373\$1,100,77725-\$88,092\$88,092\$1,188,86926-\$89,836\$89,836\$1,278,70527-\$91,606\$91,606\$1,370,31128-\$93,401\$93,401\$1,463,71329-\$95,222\$95,222\$1,558,93430-\$97,067\$97,067\$1,656,001	19	-	\$78,158	\$78,158	\$685,594
22-\$83,011\$83,011\$929,72423-\$84,679\$84,679\$1,014,40424-\$86,373\$86,373\$1,100,77725-\$88,092\$88,092\$1,188,86926-\$89,836\$89,836\$1,278,70527-\$91,606\$91,606\$1,370,31128-\$93,401\$93,401\$1,463,71329-\$95,222\$95,222\$1,558,93430-\$97,067\$97,067\$1,656,001	20	-	\$79,751	\$79,751	\$765,345
23-\$84,679\$84,679\$1,014,40424-\$86,373\$86,373\$1,100,77725-\$88,092\$88,092\$1,188,86926-\$89,836\$89,836\$1,278,70527-\$91,606\$91,606\$1,370,31128-\$93,401\$93,401\$1,463,71329-\$95,222\$95,222\$1,558,93430-\$97,067\$97,067\$1,656,001	21	-	\$81,368	\$81,368	\$846,713
24-\$86,373\$86,373\$1,100,77725-\$88,092\$88,092\$1,188,86926-\$89,836\$89,836\$1,278,70527-\$91,606\$91,606\$1,370,31128-\$93,401\$93,401\$1,463,71329-\$95,222\$95,222\$1,558,93430-\$97,067\$97,067\$1,656,001	22	-	\$83,011	\$83,011	\$929,724
25-\$88,092\$88,092\$1,188,86926-\$89,836\$89,836\$1,278,70527-\$91,606\$91,606\$1,370,31128-\$93,401\$93,401\$1,463,71329-\$95,222\$95,222\$1,558,93430-\$97,067\$97,067\$1,656,001	23	-	\$84,679	\$84,679	\$1,014,404
26-\$89,836\$89,836\$1,278,70527-\$91,606\$91,606\$1,370,31128-\$93,401\$93,401\$1,463,71329-\$95,222\$95,222\$1,558,93430-\$97,067\$97,067\$1,656,001	24	-	\$86,373	\$86,373	\$1,100,777
27 - \$91,606 \$91,606 \$1,370,311 28 - \$93,401 \$93,401 \$1,463,713 29 - \$95,222 \$95,222 \$1,558,934 30 - \$97,067 \$1,656,001	25	-	\$88,092	\$88,092	\$1,188,869
28-\$93,401\$93,401\$1,463,71329-\$95,222\$95,222\$1,558,93430-\$97,067\$97,067\$1,656,001	26	-	\$89,836	\$89,836	\$1,278,705
29 - \$95,222 \$95,222 \$1,558,934 30 - \$97,067 \$1,656,001	27	-	\$91,606	\$91,606	\$1,370,311
30 - \$97,067 \$97,067 \$1,656,001	28	-	\$93,401	\$93,401	\$1,463,713
	29	-	\$95,222	\$95,222	\$1,558,934
Totals: -\$555,000 \$2,211,001 \$1,656,001 -	30	-	\$97,067	\$97,067	\$1,656,001
	Totals:	-\$555,000	\$2,211,001	\$1,656,001	-



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IRR - Term		11.	11.0% Net Pro		it value		\$497,703		Payback Period			9.4 Years	
ROI		298	3.4%	PV Degradation Rate			0.80%		Discount Rate			5.0%	
Energy Cost Escalation Rate		3.0	3.0% Fede		l Income Tax Rate		30.0%		State Income Tax Rate			8.0%	
Total Project Costs		\$55	55,000										
Years	Upfront	1	2	3	4	5	6	7	8	9	10	11	12
Cash													
Project Costs	-\$555,000	-	-	-	-	-	-	-	-	-	-	-	-
Electric Bill Savings	-	\$53,633	\$54,800	\$55,989	\$57,200	\$58,433	\$59,688	\$60,967	\$62,268	\$63,592	\$64,940	\$66,312	\$67,707
Cash Total	-\$555,000	\$53,633	\$54,800	\$55,989	\$57,200	\$58,433	\$59,688	\$60,967	\$62,268	\$63,592	\$64,940	\$66,312	\$67,707
Total Cash Flow	-\$555,000	\$53,633	\$54,800	\$55,989	\$57,200	\$58,433	\$59,688	\$60,967	\$62,268	\$63,592	\$64,940	\$66,312	\$67,707
Cumulative Cash Flow	-\$555,000	-\$501,367	-\$446,567	-\$390,578	-\$333,379	-\$274,946	-\$215,258	-\$154,291	-\$92,023	-\$28,431	\$36,509	\$102,821	\$170,529



IRR - Term		1	1.0%	Net Pr	esent Value			\$497,703	Payl	oack Period		9.4	Years
ROI			98.4%	PV Deg	PV Degradation Rate			0.80%	Discount Rate			5.0%	
Energy Cost Escalation Rate			3.0% Federal Income			x Rate		30.0%	State Income Tax Rate		x Rate	8.0%	
Total Project Costs		\$	555,000										
Years	13	14	15	16	17	18	19	20	21	22	23	24	25
Cash													
Project Costs	-	-	-	-	-	-	-	-	-	-	-	-	-
Electric Bill Savings	\$69,127	\$70,571	\$72,039	\$73,531	\$75,049	\$76,591	\$78,158	\$79,751	\$81,368	\$83,011	\$84,679	\$86,373	\$88,092
Cash Total	\$69,127	\$70,571	\$72,039	\$73,531	\$75,049	\$76,591	\$78,158	\$79,751	\$81,368	\$83,011	\$84,679	\$86,373	\$88,092
Total Cash Flow	\$69,127	\$70,571	\$72,039	\$73,531	\$75,049	\$76,591	\$78,158	\$79,751	\$81,368	\$83,011	\$84,679	\$86,373	\$88,092
Cumulative Cash Flow	\$239,656	\$310,226	\$382,265	\$455,796	\$530,845	\$607,436	\$685,594	\$765,345	\$846,713	\$929,724	\$1,014,404	\$1,100,777	\$1,188,869



IRR - Term	11.0%	Net Present Value	\$497	7,703 Payback Pe	riod	9.4 Years	
ROI	298.4% PV Degradation Rate		0.800	% Discount R	Discount Rate		
Energy Cost Escalation Rate	3.0%	Federal Income Tax Rate		% State Incor	ne Tax Rate	8.0%	
Total Project Costs	\$555,000						
Years	26	27	28	29	30	Totals	
Cash							
Project Costs	-	-	-	-	-	-\$555,000	
Electric Bill Savings	\$89,836	\$91,606	\$93,401	\$95,222	\$97,067	\$2,211,001	
Cash Total	\$89,836	\$91,606	\$93,401	\$95,222	\$97,067	\$1,656,001	
Total Cash Flow	\$89,836	\$91,606	\$93,401	\$95,222	\$97,067	\$1,656,001	
Cumulative Cash Flow	\$1,278,705	\$1,370,311	\$1,463,713	\$1,558,934	\$1,656,001		

