



# Eagle Point SOLAR

Bringing you the SUN®

City of Slater  
General City PPA



Year	Pre Solar Installation				Solar Array				Post Solar Installation				Total	
	Current Energy Rate	Current kWh Usage	Total Energy Charge	Total Utility Charges	PPA Rate	PPA Energy Cost	O & M, Ins	KWh Produced	Post Project Energy Rate	Post project kWh Usage	Utility Energy Cost	Combined Energy Cost	Total Demand Charges	Yearly Savings
2024	\$0.1472	624,167	\$91,906	\$91,906	\$0.1381	\$54,176	\$0	392,394	\$0.1472	231,773	\$34,128	\$88,304	\$0	\$3,602
2025	\$0.1528	624,167	\$95,380	\$95,380	\$0.1422	\$55,523	\$0	390,432	\$0.1528	233,735	\$35,717	\$91,240	\$0	\$4,140
2026	\$0.1586	624,167	\$98,985	\$98,985	\$0.1465	\$56,902	\$0	388,480	\$0.1586	235,687	\$37,377	\$94,279	\$0	\$4,706
2027	\$0.1646	624,167	\$102,727	\$102,727	\$0.1509	\$58,316	\$0	386,537	\$0.1646	237,630	\$39,110	\$97,426	\$0	\$5,301
2028	\$0.1708	624,167	\$106,610	\$106,610	\$0.1554	\$59,765	\$0	384,605	\$0.1708	239,562	\$40,918	\$100,684	\$0	\$5,926
2029	\$0.1773	624,167	\$110,640	\$110,640	\$0.1601	\$61,251	\$0	382,682	\$0.1773	241,485	\$42,806	\$104,056	\$0	\$6,584
2030	\$0.1840	624,167	\$114,822	\$114,822	\$0.1649	\$62,773	\$0	380,768	\$0.1840	243,399	\$44,776	\$107,549	\$0	\$7,274
2031	\$0.1909	624,167	\$119,162	\$119,162	\$0.1698	\$64,333	\$0	378,865	\$0.1909	245,302	\$46,832	\$111,164	\$0	\$7,998
2032	\$0.1981	624,167	\$123,667	\$123,667	\$0.1749	\$65,931	\$0	376,970	\$0.1981	247,197	\$48,977	\$114,909	\$0	\$8,758
2033	\$0.2056	624,167	\$128,341	\$128,341	\$0.1801	\$67,570	\$0	375,085	\$0.2056	249,082	\$51,216	\$118,786	\$0	\$9,555
2034	\$0.2134	624,167	\$133,193	\$133,193	\$0.1855	\$69,249	\$0	373,210	\$0.2134	250,957	\$53,552	\$122,801	\$0	\$10,391
2035	\$0.2215	624,167	\$138,227	\$138,227	\$0.1911	\$70,970	\$0	371,344	\$0.2215	252,823	\$55,990	\$126,960	\$0	\$11,268
2036	\$0.2298	624,167	\$143,452	\$143,452	\$0.1968	\$72,733	\$0	369,487	\$0.2298	254,680	\$58,533	\$131,266	\$0	\$12,186
2037	\$0.2385	624,167	\$148,875	\$148,875	\$0.2028	\$74,541	\$0	367,640	\$0.2385	256,527	\$61,186	\$135,727	\$0	\$13,148
2038	\$0.2475	624,167	\$154,502	\$154,502	\$0.2088	\$76,393	\$0	365,802	\$0.2475	258,365	\$63,954	\$140,347	\$0	\$14,155
2039	\$0.2569	624,167	\$160,343	\$160,343	\$0.2151	\$78,291	\$0	363,972	\$0.2569	260,195	\$66,841	\$145,133	\$0	\$15,210
2040	\$0.2666	624,167	\$166,404	\$166,404	\$0.2216	\$80,237	\$0	362,153	\$0.2666	262,014	\$69,853	\$150,090	\$0	\$16,313
2041	\$0.2767	624,167	\$172,694	\$172,694	\$0.2282	\$82,231	\$0	360,342	\$0.2767	263,825	\$72,995	\$155,226	\$0	\$17,468
2042	\$0.2871	624,167	\$179,221	\$179,221	\$0.2350	\$84,274	\$0	358,540	\$0.2871	265,627	\$76,271	\$160,546	\$0	\$18,676
2043	\$0.2980	624,167	\$185,996	\$185,996	\$0.2421	\$86,368	\$0	356,747	\$0.2980	267,420	\$79,689	\$166,057	\$0	\$19,939
2044	\$0.3093	624,167	\$193,027	\$193,027	\$0.2494	\$88,515	\$0	354,964	\$0.3093	269,203	\$83,252	\$171,767	\$0	\$21,260
2045	\$0.3209	624,167	\$200,323	\$200,323	\$0.2568	\$90,714	\$0	353,189	\$0.3209	270,978	\$86,969	\$177,683	\$0	\$22,640
2046	\$0.3331	624,167	\$207,895	\$207,895	\$0.2645	\$92,969	\$0	351,423	\$0.3331	272,744	\$90,845	\$183,813	\$0	\$24,082
2047	\$0.3457	624,167	\$215,754	\$215,754	\$0.2725	\$95,279	\$0	349,666	\$0.3457	274,501	\$94,886	\$190,165	\$0	\$25,589
2048	\$0.3587	624,167	\$223,909	\$223,909	\$0.2807	\$97,646	\$0	347,918	\$0.3587	276,249	\$99,100	\$196,746	\$0	\$27,163
PPA Terms:														\$333,332
25 Year														\$0
Buyout Price														\$333,332
Total Return														\$333,332

SO.13806062510345 Initial Rate  
3% Inflation Factor  
3.78% Utility Inflation



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Year	Pre Solar Installation				Post Solar Installation				Total						
	Current Energy Rate	Current kWh Usage	Total Energy Charge	Current Demand Charge	Total Utility Charges	kWh Produced	PPA Rate	PPA Energy Cost		O & M, Ins	Post Project Energy Rate	Post project kWh Usage	Utility Energy Cost	Combined Energy Cost	Total Demand Charges
2024	\$0.1472	624,167	\$91,906	\$0	\$91,906	392,394	\$0.1381	\$54,176	\$0	\$0.1472	231,773	\$34,128	\$88,304	\$0	\$3,602
2025	\$0.1528	624,167	\$95,380	\$0	\$95,380	390,432	\$0.1422	\$55,523	\$0	\$0.1528	233,735	\$35,717	\$91,240	\$0	\$4,140
2026	\$0.1586	624,167	\$98,985	\$0	\$98,985	388,480	\$0.1465	\$56,902	\$0	\$0.1586	235,687	\$37,377	\$94,279	\$0	\$4,706
2027	\$0.1646	624,167	\$102,727	\$0	\$102,727	386,537	\$0.1509	\$58,316	\$0	\$0.1646	237,630	\$39,110	\$97,426	\$0	\$5,301
2028	\$0.1708	624,167	\$106,610	\$0	\$106,610	384,605	\$0.1554	\$59,765	\$0	\$0.1708	239,562	\$40,918	\$100,684	\$0	\$5,926
2029	\$0.1773	624,167	\$110,640	\$0	\$110,640	382,682	\$0.1601	\$61,251	\$0	\$0.1773	241,485	\$42,806	\$104,056	\$0	\$6,584
2030	\$0.1840	624,167	\$114,822	\$0	\$114,822	380,768	\$0.1649	\$62,773	\$0	\$0.1840	243,399	\$44,776	\$107,549	\$0	\$7,274
2031	\$0.1909	624,167	\$119,162	\$0	\$119,162	378,865	\$0.1698	\$64,333	\$0	\$0.1909	245,302	\$46,832	\$111,164	\$0	\$7,998
2032	\$0.1981	624,167	\$123,667	\$0	\$123,667	376,970	\$0.1749	\$65,931	\$0	\$0.1981	247,197	\$48,977	\$114,909	\$0	\$8,758
2033	\$0.2056	624,167	\$128,341	\$0	\$128,341	375,085	\$0.1801	\$67,570	\$0	\$0.2056	249,082	\$51,216	\$118,786	\$0	\$9,555
2034	\$0.2134	624,167	\$133,193	\$0	\$133,193	373,210	\$0.1855	\$0	(\$5,266)	\$0.2134	250,957	\$53,552	\$53,552	\$0	\$74,375
2035	\$0.2215	624,167	\$138,227	\$0	\$138,227	371,344	\$0.1911	\$0	(\$5,318)	\$0.2215	252,823	\$55,990	\$55,990	\$0	\$76,919
2036	\$0.2298	624,167	\$143,452	\$0	\$143,452	369,487	\$0.1968	\$0	(\$5,371)	\$0.2298	254,680	\$58,533	\$58,533	\$0	\$79,548
2037	\$0.2385	624,167	\$148,875	\$0	\$148,875	367,640	\$0.2028	\$0	(\$5,425)	\$0.2385	256,527	\$61,186	\$61,186	\$0	\$82,263
2038	\$0.2475	624,167	\$154,502	\$0	\$154,502	365,802	\$0.2088	\$0	(\$5,479)	\$0.2475	258,365	\$63,954	\$63,954	\$0	\$85,069
2039	\$0.2569	624,167	\$160,343	\$0	\$160,343	363,972	\$0.2151	\$0	(\$5,534)	\$0.2569	260,195	\$66,841	\$66,841	\$0	\$87,967
2040	\$0.2666	624,167	\$166,404	\$0	\$166,404	362,153	\$0.2216	\$0	(\$5,590)	\$0.2666	262,014	\$69,853	\$69,853	\$0	\$90,961
2041	\$0.2767	624,167	\$172,694	\$0	\$172,694	360,342	\$0.2282	\$0	(\$5,645)	\$0.2767	263,825	\$72,995	\$72,995	\$0	\$94,053
2042	\$0.2871	624,167	\$179,221	\$0	\$179,221	358,540	\$0.2350	\$0	(\$5,702)	\$0.2871	265,627	\$76,271	\$76,271	\$0	\$97,248
2043	\$0.2980	624,167	\$185,996	\$0	\$185,996	356,747	\$0.2421	\$0	(\$5,759)	\$0.2980	267,420	\$79,689	\$79,689	\$0	\$100,549
2044	\$0.3093	624,167	\$193,027	\$0	\$193,027	354,964	\$0.2494	\$0	(\$5,817)	\$0.3093	269,203	\$83,252	\$83,252	\$0	\$103,958
2045	\$0.3209	624,167	\$200,323	\$0	\$200,323	353,189	\$0.2568	\$0	(\$5,875)	\$0.3209	270,978	\$86,969	\$86,969	\$0	\$107,479
2046	\$0.3331	624,167	\$207,895	\$0	\$207,895	351,423	\$0.2645	\$0	(\$5,933)	\$0.3331	272,744	\$90,845	\$90,845	\$0	\$111,117
2047	\$0.3457	624,167	\$215,754	\$0	\$215,754	349,666	\$0.2725	\$0	(\$5,993)	\$0.3457	274,501	\$94,886	\$94,886	\$0	\$114,875
2048	\$0.3587	624,167	\$223,909	\$0	\$223,909	347,918	\$0.2807	\$0	(\$6,053)	\$0.3587	276,249	\$99,100	\$99,100	\$0	\$118,757
PPA Terms:														25 Year Total Savings	\$1,488,982
10 Year														Buyout Price	\$420,421
\$0.13806062510345 Initial Rate														Total Return	\$1,068,562
3% Inflation Factor															
3.78% Utility Inflation															

## City of Slater: Preliminary Cash Purchase Recap Sheet

Location	Lagoons	Pool	Well #3	City Hall	Water Plant
Size of Array (kW DC)	157.50	29.92	18.90	18.90	14.85
Cost of The Array	\$402,570.00	\$76,475.52	\$48,308.40	\$48,308.40	\$37,956.60
Payback in Years (All Projects)	8.7	9.6	8.1	9.8	9.5
<b>Energy Costs/Savings</b>					
Current Annual Electric Cost	\$28,590.00	\$7,701.00	\$4,582.00	\$3,214.00	\$11,380.00
Post Project Annual Cost	\$241.00	\$2,896.00	\$891.00	\$241.00	\$8,950.00
Post Project Annual Savings	<b>\$28,349.00</b>	<b>\$4,805.00</b>	<b>\$3,691.00</b>	<b>\$2,973.00</b>	<b>\$2,430.00</b>
Post Project Savings Percent	99%	62%	81%	93%	21%
Cash Gained Over Life	\$787,584.00	\$127,721.00	\$105,420.00	\$78,361.00	\$65,118.00
Location	Library	Fire Department	Senior Center	1200 Marshall St	PW Shop
Size of Array	13.64	13.50	10.80	10.80	10.56
Cost of The Array	\$34,863.84	\$34,506.00	\$27,604.80	\$27,604.80	\$26,991.36
Payback in Years (All Projects)	8.9	8.1	6.3	8.8	8.2
<b>Energy Costs/Savings</b>					
Current Annual Electric Cost	\$2,661.00	\$2,924.00	\$2,128.00	\$2,234.00	\$2,281.00
Post Project Annual Cost	\$241.00	\$279.00	\$241.00	\$309.00	\$241.00
Post Project Annual Savings	<b>\$95,594.00</b>	<b>\$2,645.00</b>	<b>\$1,887.00</b>	<b>\$1,925.00</b>	<b>\$2,040.00</b>
Post Project Savings Percent	3592%	90%	89%	86%	89%
Cash Gained Over Life	\$66,908.00	\$75,636.00	\$58,165.00	\$53,267.00	\$58,053.00
Location	Night Hawk Field	First Responder	Linn St Blower		
Size of Array	9.00	7.20	5.40		
Cost of The Array	\$23,004.00	\$18,403.20	\$13,802.40		
Payback in Years (All Projects)	10.7	8.3	9.3		
<b>Energy Costs/Savings</b>					
Current Annual Electric Cost	\$2,008.00	\$1,621.00	\$25,333.00		
Post Project Annual Cost	\$723.00	\$241.00	\$24,432.00		
Post Project Annual Savings	<b>\$1,285.00</b>	<b>\$1,380.00</b>	<b>\$901.00</b>		
Post Project Savings Percent	64%	85%	4%		
Cash Gained Over Life	\$32,375.00	\$39,202.00	\$24,316.00		
<b>FIRST YEAR FINANCIAL BREAKDOWN</b>					
TOTAL ARRAY SIZE kW DC (ALL PROJECTS)		320.97			
TOTAL PROJECT PRICE (ALL METERS)		\$820,399.32			
<b>FIRST YEAR FINANCIAL BREAKDOWN</b>					
CURRENT ANNUAL ELECTRIC COSTS		\$96,657.00			
POST PROJECT ANNUAL ELECTRIC COSTS		\$39,926.00			
TOTAL ANNUAL SAVINGS		\$56,731.00			
ANNUAL SAVINGS PERCENTAGE		59%			
CASH GAINED OVER LIFE		\$1,539,751			