



Rossville Solar Array Investment (Preliminary +/-15%)

Guaranteed Performance Contract Restoring Facilities through Capital Infrastructure Improvements and Energy Conservation

C) PRELIMINARY THIRD PARTY PPA ANALYSIS

	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15	Year 16	Year 17	Year 18	Year 19	Year 20	Year 21	Year 22	Year 23	Year 24	Year 25
COSTS	Annual Production (kWh)	196,400	195,418	194,441	193,469	192,501	191,539	190,581	189,628	188,680	187,737	186,798	185,864	184,935	184,010	183,090	182,175	181,264	180,357	179,456	178,558	177,665	176,777	175,893	175,014	174,139
	PPA Rate	\$ 0.0563	\$ 0.057	\$ 0.059	\$ 0.060	\$ 0.061	\$ 0.062	\$ 0.063	\$ 0.065	\$ 0.066	\$ 0.067	\$ 0.069	\$ 0.070	\$ 0.071	\$ 0.073	\$ 0.074	\$ 0.076	\$ 0.077	\$ 0.079	\$ 0.080	\$ 0.082	\$ 0.084	\$ 0.085	\$ 0.087	\$ 0.089	\$ 0.091
	PPA Costs	\$ 11,057	\$ 11,222	\$ 11,389	\$ 11,559	\$ 11,731	\$ 11,906	\$ 12,083	\$ 12,263	\$ 12,446	\$ 12,632	\$ 12,820	\$ 13,011	\$ 13,205	\$ 13,401	\$ 13,601	\$ 13,804	\$ 14,009	\$ 14,218	\$ 14,430	\$ 14,645	\$ 14,863	\$ 15,085	\$ 15,310	\$ 15,538	\$ 15,769
	Annual O&M (Budget)																									
		Included																								
	Annual Costs	\$11,057	\$11,222	\$11,389	\$11,559	\$11,731	\$11,906	\$12,083	\$12,263	\$12,446	\$12,632	\$12,820	\$13,011	\$13,205	\$13,401	\$13,601	\$13,804	\$14,009	\$14,218	\$14,430	\$14,645	\$14,863	\$15,085	\$15,310	\$15,538	\$15,769
SAVINGS	Annual Energy Offset (kWh)	196,400	195,418	194,441	193,469	192,501	191,539	190,581	189,628	188,680	187,737	186,798	185,864	184,935	184,010	183,090	182,175	181,264	180,357	179,456	178,558	177,665	176,777	175,893	175,014	174,139
	Annual Utility Rate (\$/kWh)	\$ 0.061	\$0.063	\$0.065	\$0.067	\$0.069	\$0.072	\$0.074	\$0.077	\$0.080	\$0.082	\$0.085	\$0.088	\$0.091	\$0.095	\$0.098	\$0.101	\$0.105	\$0.109	\$0.112	\$0.116	\$0.120	\$0.125	\$0.129	\$0.134	\$0.138
	Annual Avoided Cost (\$)	\$ 11,885	\$ 12,240	\$ 12,605	\$ 12,981	\$ 13,368	\$ 13,767	\$ 14,177	\$ 14,600	\$ 15,035	\$ 15,484	\$ 15,946	\$ 16,421	\$ 16,911	\$ 17,415	\$ 17,935	\$ 18,470	\$ 19,021	\$ 19,588	\$ 20,172	\$ 20,774	\$ 21,393	\$ 22,031	\$ 22,688	\$ 23,365	\$ 24,062
	SREC Incentives																									
		Included																								
	Total Avoided Costs	\$11,885	\$12,240	\$12,605	\$12,981	\$13,368	\$13,767	\$14,177	\$14,600	\$15,035	\$15,484	\$15,946	\$16,421	\$16,911	\$17,415	\$17,935	\$18,470	\$19,021	\$19,588	\$20,172	\$20,774	\$21,393	\$22,031	\$22,688	\$23,365	\$24,062
	Annual Cash Flow	\$828	\$1,018	\$1,215	\$1,422	\$1,637	\$1,861	\$2,094	\$2,337	\$2,589	\$2,852	\$3,126	\$3,410	\$3,706	\$4,014	\$4,334	\$4,666	\$5,011	\$5,370	\$5,742	\$6,129	\$6,530	\$6,947	\$7,379	\$7,827	\$8,293
	Cumulative Cash Flow	\$828	\$1,846	\$3,061	\$4,483	\$6,119	\$7,980	\$10,074	\$12,410	\$14,999	\$17,852	\$20,977	\$24,388	\$28,094	\$32,108	\$36,441	\$41,107	\$46,118	\$51,488	\$57,230	\$63,358	\$69,888	\$76,835	\$84,214	\$92,041	\$100,334

Financial Summary	
Net Project Cash Flow - 25 Year	\$100,334
Average Yearly Income - 25 Years	\$4,013

Cash Flow Inputs

PPA Rate (Year 0)	\$ 0.0563
PPA Escalation	2%
Average Utility Rate (Year 0)	\$ 0.0585
Annual Utility Escalation	3.5%
Annual Degradation Rate	0.5%
Discount Rate	NA
PPA Term (Years)	NA
Interest Rate	NA
Financial Term in Years	25
ITC Bonus	Inc

Operations and Maintenance Costs

Yearly O&M (\$/kW)	Inc
Yearly Insurance (\$/kW)	Inc
Invertor Replacement Fund (\$/kW)	Inc
Annual O&M Escalation	Inc

