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RESULTS

217,294 kWh per Year *

Month	Solar Radiation (kWh / m ² / day)	AC Energy (kWh)	Energy Value (\$)
January	3.06	13,048	1,207
February	3.55	13,641	1,262
March	4.74	19,363	1,791
April	5.52	21,165	1,958
May	6.03	23,115	2,138
June	6.34	22,741	2,104
July	6.39	23,551	2,179
August	6.05	22,230	2,056
September	5.12	18,908	1,749
October	4.23	16,578	1,533
November	3.06	12,115	1,121
December	2.57	10,838	1,003
Annual	4.72	217,293	\$ 20,101

Location and Station Identification

Requested Location	1111 N Main St, Joplin, MO 64801
Weather Data Source	(TMY2) SPRINGFIELD, MO 63 mi
Latitude	37.23° N
Longitude	93.38° W

PV System Specifications *(Commercial)*

DC System Size	162 kW
Module Type	Standard
Array Type	Fixed (roof mount)
Array Tilt	20°
Array Azimuth	225°
System Losses	14%
Inverter Efficiency	96%
DC to AC Size Ratio	1.1

Initial Economic Comparison

Average Cost of Electricity Purchased from Utility	0.09 \$/kWh
Initial Cost	3.50 \$/Wdc
Cost of Electricity Generated by System	0.16 \$/kWh

These values can be compared to get an idea of the cost-effectiveness of this system. However, system costs, system financing options (including 3rd party ownership) and complex utility rates can significantly change the relative value of the PV system.

