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RESULTS

114,867 kWh per Year *

Month	Solar Radiation (kWh / m ² / day)	AC Energy (kWh)	Energy Value (\$)
January	2.78	6,784	1,575
February	3.52	7,676	1,781
March	4.34	10,205	2,369
April	4.95	10,871	2,523
May	5.69	12,546	2,912
June	5.86	12,185	2,828
July	5.73	12,163	2,823
August	5.47	11,512	2,672
September	4.91	10,283	2,387
October	3.99	8,932	2,073
November	2.68	6,068	1,408
December	2.35	5,643	1,310
Annual	4.36	114,868	\$ 26,661

Location and Station Identification

Requested Location	new york	
Weather Data Source	(TMY2) NEWARK, NJ	9.3 mi
Latitude	40.7° N	
Longitude	74.17° W	

PV System Specifications (Residential)

DC System Size	90.1 kW
Module Type	Standard
Array Type	Fixed (open rack)
Array Tilt	20°
Array Azimuth	180°
System Losses	14%
Inverter Efficiency	96%
DC to AC Size Ratio	1.1

Initial Economic Comparison

Average Cost of Electricity Purchased from Utility	0.23 \$/kWh
Initial Cost	3.30 \$/Wdc
Cost of Electricity Generated by System	0.21 \$/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.