



Caution: Photovoltaic system performance predictions calculated by PVWatts® include many inherent assumptions and uncertainties and do not reflect variations between PV technologies nor site-specific characteristics except as represented by PVWatts® inputs. For example, PV modules with better performance are not differentiated within PVWatts® from lesser performing modules. Both NREL and private companies provide more sophisticated PV modeling tools (such as the System Advisor Model at <https://sam.nrel.gov>) that allow for more precise and complex modeling of PV systems.

The expected range is based on 30 years of actual weather data at the given location and is intended to provide an indication of the variation you might see. For more information, please refer to this NREL report: The Error Report.

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The energy output range is based on analysis of 30 years of historical weather data for nearby, and is intended to provide an indication of the possible interannual variability in generation for a Fixed (open rack) PV system at this location.

RESULTS

3,163 kWh/Year*

System output may range from 3,018 to 3,226 kWh per year near this location.

Month	Solar Radiation (kWh / m ² / day)	AC Energy (kWh)	Value (\$)
January	2.82	174	17
February	3.39	191	19
March	4.58	271	27
April	5.42	315	31
May	6.30	360	35
June	6.15	339	33
July	5.89	334	33
August	5.42	307	30
September	4.88	275	27
October	4.18	246	24
November	3.24	189	19
December	2.62	160	16
Annual	4.57	3,161	\$ 311

Location and Station Identification

Requested Location	2041 Treasure St, New Orleans, LA 70122, USA	
Weather Data Source	Lat, Lon: 29.97, -90.06	1.4 mi
Latitude	29.97° N	
Longitude	90.06° W	

PV System Specifications (Residential)

DC System Size	2.52 kW
Module Type	Standard
Array Type	Fixed (open rack)
Array Tilt	30°
Array Azimuth	84°
System Losses	14.08%
Inverter Efficiency	96%
DC to AC Size Ratio	1.2

Economics

Average Retail Electricity Rate	0.098 \$/kWh
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Performance Metrics

Capacity Factor	14.3%
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