



# RESULTS

# 5,916 kWh/Year\*

System output may range from 5,645 to 6,033 kWh per year near this location.

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.

Month	Solar Radiation ( kWh / m <sup>2</sup> / day )	AC Energy ( kWh )	Value ( \$ )
January	4.51	438	43
February	4.98	436	43
March	5.65	521	51
April	6.08	551	54
May	6.20	553	54
June	5.75	496	49
July	5.69	505	50
August	5.56	490	48
September	5.73	501	49
October	5.85	534	52
November	5.23	480	47
December	4.29	411	40
<b>Annual</b>	<b>5.46</b>	<b>5,916</b>	<b>\$ 580</b>

## 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	3.96 kW
Module Type	Standard
Array Type	Fixed (open rack)
Array Tilt	30°
Array Azimuth	174°
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	17.1%
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