



# RESULTS

# 1,480,833 kWh/Year\*

System output may range from 1,429,596 to 1,532,959 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	4.16	102,282	11,865
February	4.58	101,342	11,756
March	5.59	133,704	15,510
April	6.28	143,372	16,631
May	6.63	151,048	17,522
June	6.51	139,870	16,225
July	6.45	141,854	16,455
August	6.17	136,176	15,796
September	5.62	122,249	14,181
October	5.05	117,025	13,575
November	4.33	101,905	11,821
December	3.72	90,007	10,441
<b>Annual</b>	<b>5.42</b>	<b>1,480,834</b>	<b>\$ 171,778</b>

## Location and Station Identification

Requested Location	Waynesboro, GA
Weather Data Source	Lat, Lon: 33.09, -82.02 0.2 mi
Latitude	33.09° N
Longitude	82.02° W

## PV System Specifications (Residential)

DC System Size	1000 kW
Module Type	Standard
Array Type	Fixed (open rack)
Array Tilt	20°
Array Azimuth	180°
System Losses	14.08%
Inverter Efficiency	96%
DC to AC Size Ratio	1.2

## Economics

Average Retail Electricity Rate	0.116 \$/kWh
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## Performance Metrics

Capacity Factor	16.9%
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