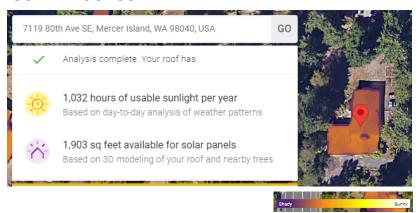
MN472 7119 80TH AVE SE MERCER ISLAND, WA 98040

SOLAR ACCESS



⊠NREL

Caution: Photovoltaic system performance predictions circulated by PoWatts* include many inherent assumptions and to reflect variations in control of the performance of the performance of the performance of the performance are not differentiated within PoWatts* from lesser different

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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DOCUMENT, AND THE STATEMENTS
OF THE STATEME

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

31

RESULTS

3796 Exceeds 3600 kWh/Year for 3 Credits

3,796 kWh/Year*

System output may range from 3,623 to 3,924 kWh per year near this location.

Month	Solar Radiation (kWh/m ² /day)	AC Energy (kWh)
January	1.02	101
February	1.80	165
March	2.63	266
April	4.36	416
May	4.95	487
June	5.50	510
July	6.16	581
August	5.55	529
September	3.85	361
October	2.02	200
November	1.04	101
December	0.81	79
Annual	3.31	3,796
Location and Station Identificat	ion	
Requested Location	Mercer Island	
Weather Data Source	Lat, Lng: 47.57, -122.22 0.7 mi	
Latitude	47.57° N	
Longitude	122.22° W	
PV System Specifications		
DC System Size	4 kW	
Module Type	Standard	
Array Type	Fixed (roof mount)	
System Losses	11.42%	
Array Tilt	20°	
Array Azimuth	270°	
DC to AC Size Ratio	1.2	
Inverter Efficiency	97%	
Ground Coverage Ratio	0.4	
Albedo	From weather file	
Bifacial	No (0)	
	Jan Feb Mar Apr I	May June
Monthly Irradiance Loss	0% 0% 0% 0%	0% 0%
	July Aug Sept Oct I	Nov Dec

 July
 Aug
 Sept
 Oct
 Nov
 Dec

 0%
 0%
 0%
 0%
 0%
 0%