

Generation

Summary

About

Latitude

i

Longitude

i

Time Zone

i

Module Tilt

i

Start Date

i

End Date

i

Calculate

5

4

3

2

1

0

Generation

Summary

About

Latitude

i

Time Zone

i

Start Date

i

Time Zone

Time zone that the location is in

Latitude

i

Module Tilt

i

End Date

i

Calculate

5

4

3

2

1

0

Latitude



Longitude



Time Zone



Module Tilt



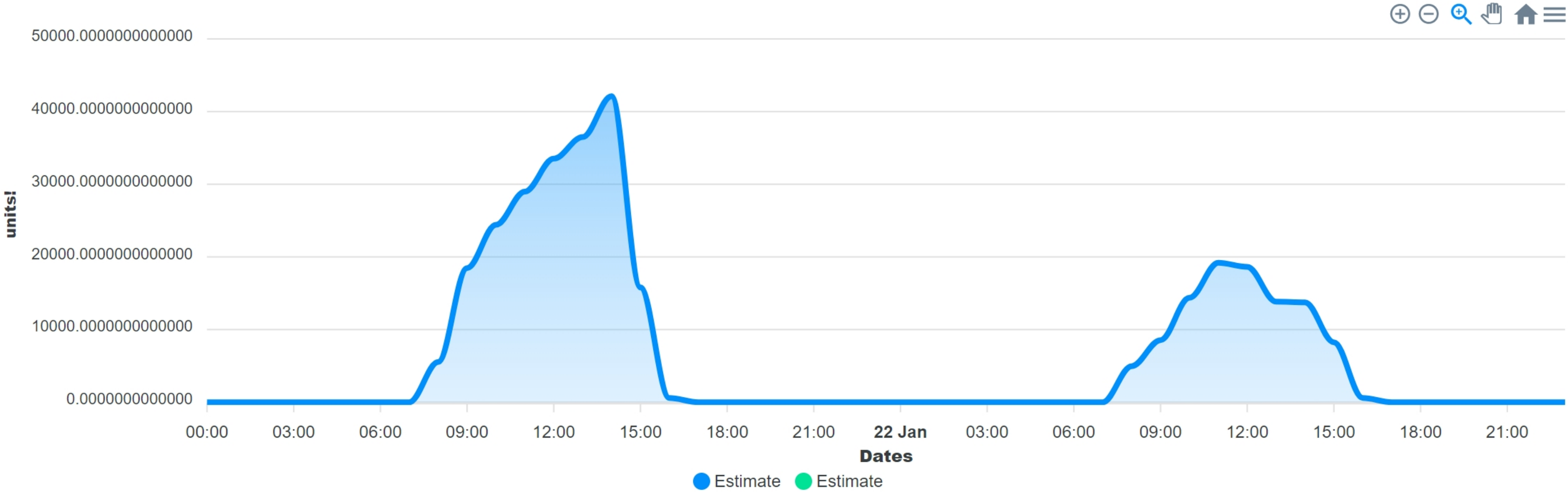
Start Date



End Date



Calculate



Latitude



Time Zone

Time zone that the location is in

Latitude



Time Zone



Module Tilt



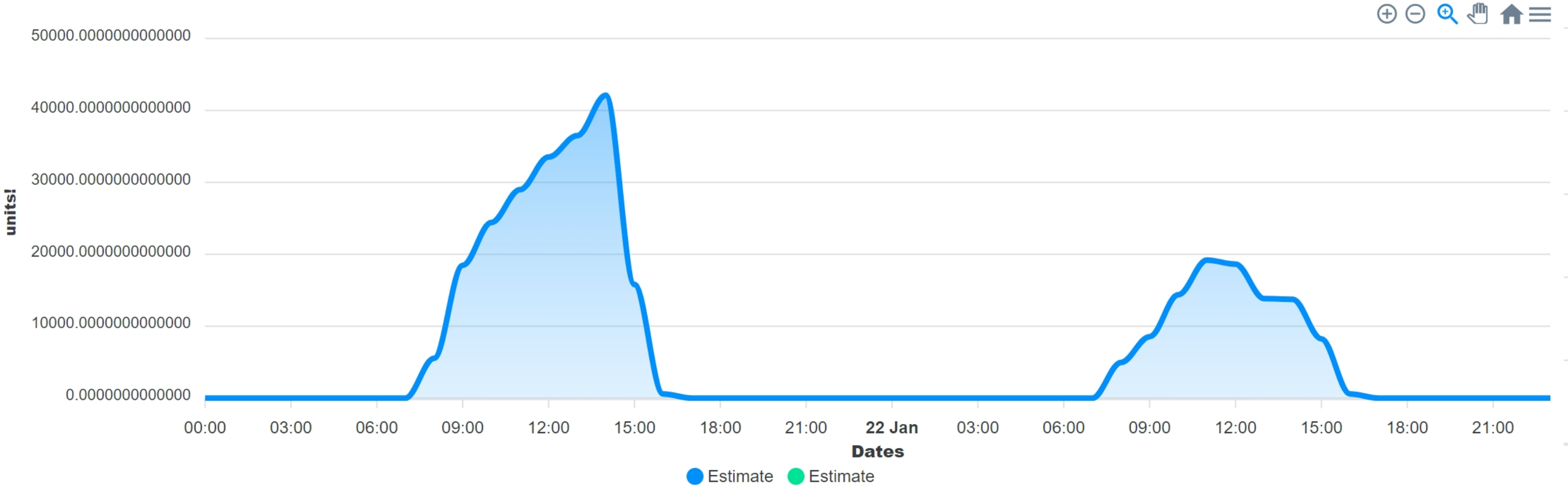
Start Date

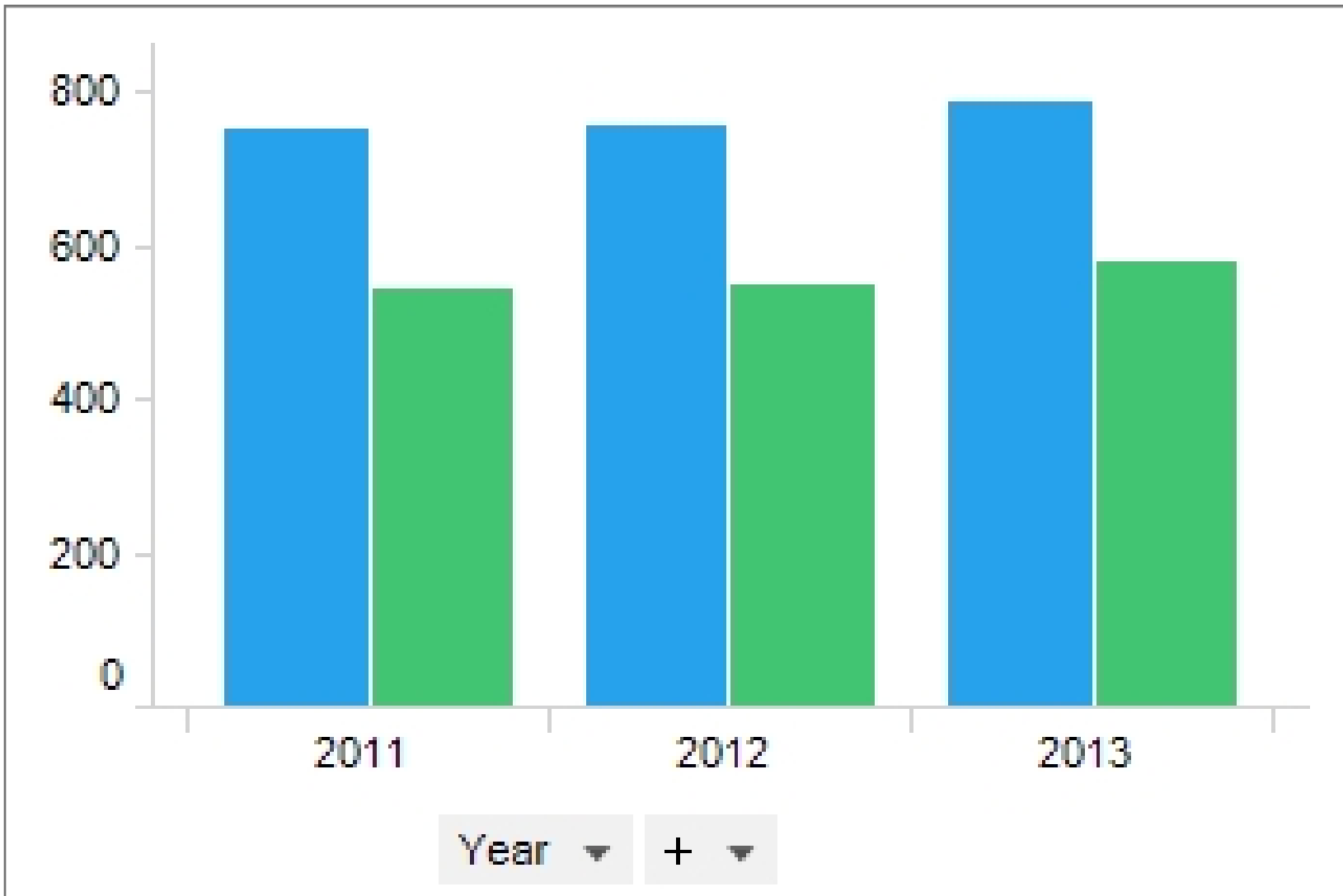


End Date



Calculate





kWh Generated:

78,000 kWh / year

Return on Investment:

\$250,000.00

Amount of Panels

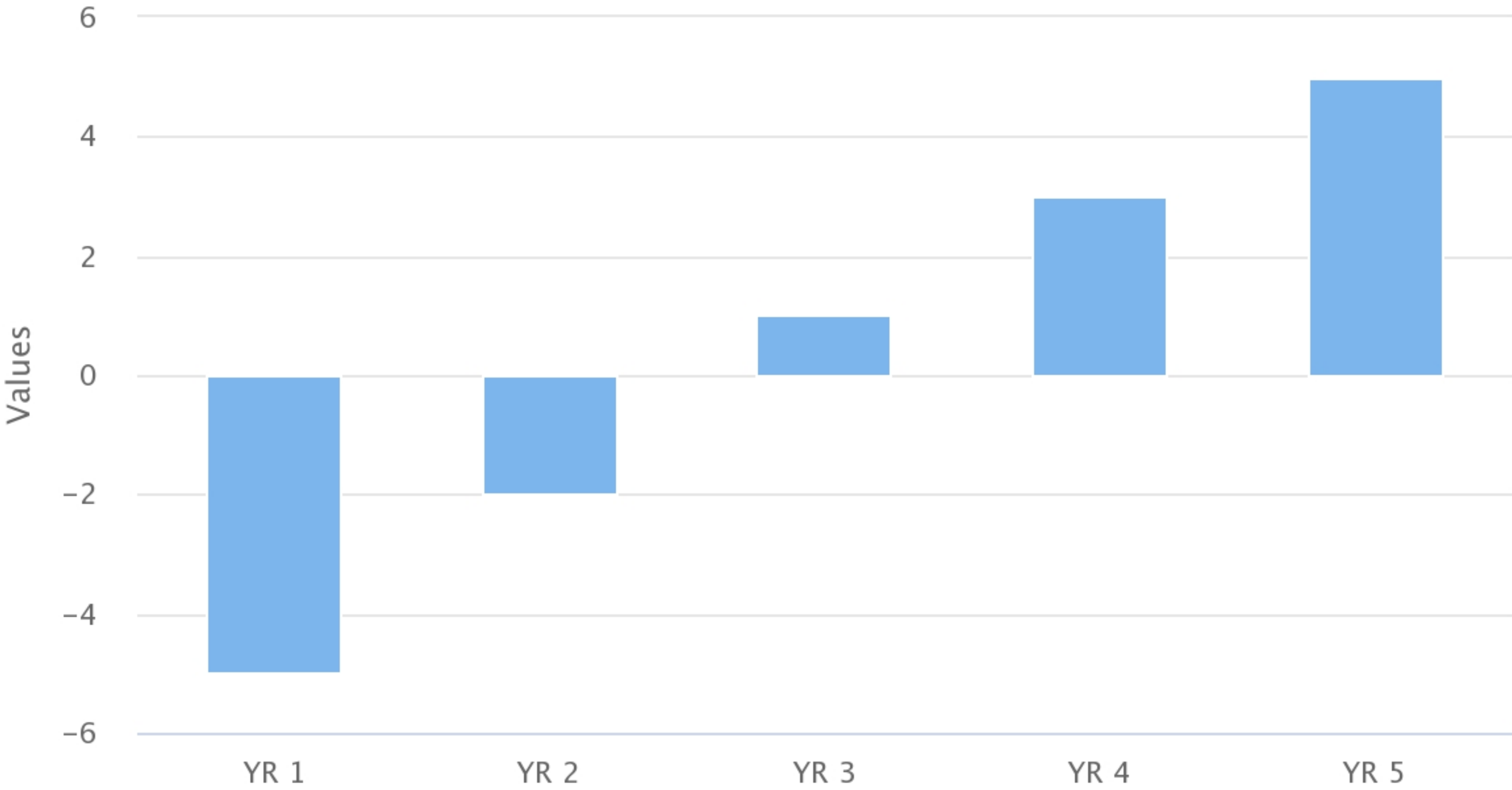
183

Panel Angle

50.5

Panel Type

A



Generation		Summary	About
General	<div>SolarSize Application</div> <p>A tool that utilizes building energy consumption metrics and solar intensity data to calculate accurate ROIs on solar power generation. This tool will allow customers to see how different photovoltaic (PV) systems match up to their requirements, so they can make informed decisions.</p> <div>SolarSize Team</div> <p>Tristan Brown-Hannibal</p> <ul style="list-style-type: none"> - Data representation - Server/web management - Back-End Design <p>Karlee Fidek</p> <ul style="list-style-type: none"> - Documentation - GitHub/Wiki Management - Front-End Design <p>Kaden Goski</p> <ul style="list-style-type: none"> - Data Processing/Management - Vlog Editor 		
ROI			
Solar Model			

Generation		Summary		About	
General					
ROI					
Solar Model	<div><div><div>Return on Investment Calculation</div><div><div><div>Total Savings</div><div></div></div><div><div></div><div>Total Cost</div></div></div><div>X 100</div></div></div> <div><div>Cash Flows Considered</div><div><div>- Capital Cost</div><div>- Interest Costs</div><div>- Maintenance Costs</div><div>- Annual Savings</div><div>- Rebates/Grants</div></div></div>				

Generation		Summary	About
General	<div>Solar Data API</div> <div></div>		
ROI			
Solar Model			

Irradiance Values

The model considers both direct and diffuse irradiance components.

