

# Design 1

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## Shading Heatmap



## Shading by Field Segment

Description	Tilt	Azimuth	Modules	Nameplate	Shaded Irradiance	AC Energy	TOF <sup>2</sup>	Solar Access	Avg TSRF <sup>2</sup>
Field Segment 1	10.0°	167.2°	52	23.4 kWp	1,332.0kWh/m <sup>2</sup>	26.9 MWh <sup>1</sup>	91.2%	99.4%	90.7%
Field Segment 1 (copy)	10.0°	167.2°	52	23.4 kWp	1,331.9kWh/m <sup>2</sup>	26.9 MWh <sup>1</sup>	91.2%	99.4%	90.7%
Field Segment 3	10.0°	167.2°	21	9.45 kWp	1,278.7kWh/m <sup>2</sup>	10.5 MWh <sup>1</sup>	91.2%	95.5%	87.1%
Field Segment 3 (copy)	10.0°	167.2°	21	9.45 kWp	1,308.4kWh/m <sup>2</sup>	10.7 MWh <sup>1</sup>	91.2%	97.7%	89.1%
Field Segment 3 (copy 1)	10.0°	167.2°	21	9.45 kWp	1,317.7kWh/m <sup>2</sup>	10.8 MWh <sup>1</sup>	91.2%	98.4%	89.7%
Field Segment 3 (copy 2)	10.0°	167.2°	21	9.45 kWp	1,325.3kWh/m <sup>2</sup>	10.8 MWh <sup>1</sup>	91.2%	98.9%	90.3%
<b>Totals, weighted by kWp</b>			<b>188</b>	<b>84.6 kWp</b>	<b>1,321.0kWh/m<sup>2</sup></b>	<b>96.6 MWh</b>	<b>91.2%</b>	<b>98.6%</b>	<b>90.0%</b>

<sup>1</sup> approximate, varies based on inverter performance

<sup>2</sup> based on location Optimal POA Irradiance of 1,468.4kWh/m<sup>2</sup> at 37.5° tilt and 182.6° azimuth

Solar Access by Month												
Description	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec
Field Segment 1	97%	99%	100%	100%	100%	100%	100%	100%	100%	99%	98%	95%
Field Segment 1 (copy)	97%	99%	100%	100%	100%	100%	100%	100%	100%	99%	98%	95%
Field Segment 3	76%	94%	97%	98%	97%	97%	98%	98%	97%	96%	82%	65%
Field Segment 3 (copy)	90%	98%	98%	99%	98%	98%	99%	99%	98%	98%	91%	86%
Field Segment 3 (copy 1)	93%	98%	99%	99%	99%	99%	99%	99%	99%	99%	95%	91%
Field Segment 3 (copy 2)	94%	99%	99%	99%	99%	99%	99%	99%	99%	99%	96%	92%
Solar Access, weighted by kWp	92.9%	98.3%	99.1%	99.2%	99.2%	99.2%	99.3%	99.2%	99.2%	98.7%	94.8%	90.0%
AC Power (kWh)	2,722.8	4,269.6	7,528.5	11,309.4	13,233.7	13,553.1	13,674.6	11,291.9	8,597.5	5,798.0	2,755.4	1,874.7

