

# Meter # 322 853 017 BCS - North Buncombe Middle, 51 N Buncombe School Rd, Weaverville, NC 28787

## Shading Heatmap



## Shading by Field Segment

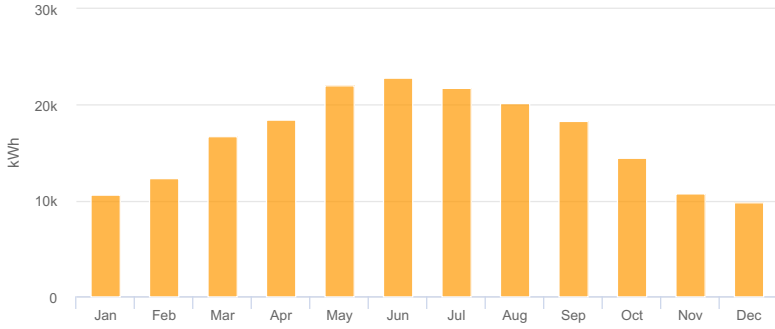
Description	Tilt	Azimuth	Modules	Nameplate	Shaded Irradiance	AC Energy	TOF <sup>2</sup>	Solar Access	Avg TSRF <sup>2</sup>
Field Segment 1	3.0°	255.1°	103	49.4 kWp	1,600.6kWh/m <sup>2</sup>	63.6 MWh <sup>1</sup>	87.4%	100.0%	87.4%
Field Segment 4	3.0°	164.9°	43	20.6 kWp	1,601.1kWh/m <sup>2</sup>	26.7 MWh <sup>1</sup>	89.3%	97.9%	87.4%
Field Segment 6	3.0°	255.1°	133	63.8 kWp	1,600.5kWh/m <sup>2</sup>	82.1 MWh <sup>1</sup>	87.4%	100.0%	87.4%
Field Segment 17	3.0°	164.8°	41	19.7 kWp	1,635.5kWh/m <sup>2</sup>	25.8 MWh <sup>1</sup>	89.3%	100.0%	89.3%
<b>Totals, weighted by kWp</b>			<b>320</b>	<b>153.6 kWp</b>	<b>1,605.1kWh/m<sup>2</sup></b>	<b>198.2 MWh</b>	<b>87.9%</b>	<b>99.7%</b>	<b>87.6%</b>

<sup>1</sup> approximate, varies based on inverter performance  
<sup>2</sup> based on location Optimal POA Irradiance of 1,831.9kWh/m<sup>2</sup> at 33.9° tilt and 181.4° azimuth

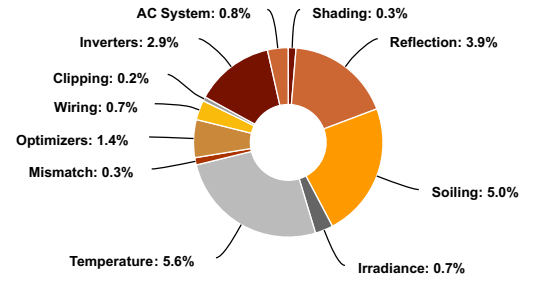
## Solar Access by Month

Description	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec
Field Segment 1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Field Segment 4	99%	98%	98%	97%	97%	97%	98%	98%	98%	98%	99%	99%
Field Segment 6	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Field Segment 17	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
<b>Solar Access, weighted by kWp</b>	<b>99.8%</b>	<b>99.8%</b>	<b>99.7%</b>	<b>99.6%</b>	<b>99.7%</b>	<b>99.7%</b>	<b>99.7%</b>	<b>99.7%</b>	<b>99.7%</b>	<b>99.8%</b>	<b>99.8%</b>	<b>99.8%</b>
<b>AC Power (kWh)</b>	<b>10,612.9</b>	<b>12,348.7</b>	<b>16,712.9</b>	<b>18,397.4</b>	<b>21,974.8</b>	<b>22,834.3</b>	<b>21,760.1</b>	<b>20,186.6</b>	<b>18,321.8</b>	<b>14,499.7</b>	<b>10,718.4</b>	<b>9,804.1</b>

Monthly Production



Sources of System Loss



Southwestern Angle



Southeastern Angle

