

NAU CENTRAL TFG 100KW, Calle Bisuteros 6

Shading Heatmap



Shading by Field Segment

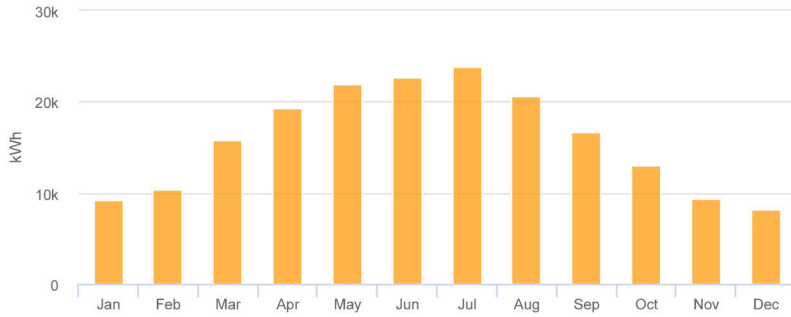
Description	Tilt	Azimuth	Modules	Nameplate	Shaded Irradiance	AC Energy	TOF ²	Solar Access	Avg TSRF ²
Field Segment 2	10.0°	163.0°	101	55.6 kWp	1,808.3kWh/m ²	80.5 MWh ¹	92.0%	99.5%	91.5%
Field Segment 4	12.0°	163.3°	137	75.4 kWp	1,834.7kWh/m ²	110.6 MWh ¹	93.1%	99.7%	92.8%
Totals, weighted by kWp			238	130.9 kWp	1,823.5kWh/m ²	191.2 MWh	92.6%	99.6%	92.3%

¹ approximate, varies based on inverter performance
² based on location Optimal POA Irradiance of 1,976.4kWh/m² at 35.5° tilt and 183.0° azimuth

Solar Access by Month

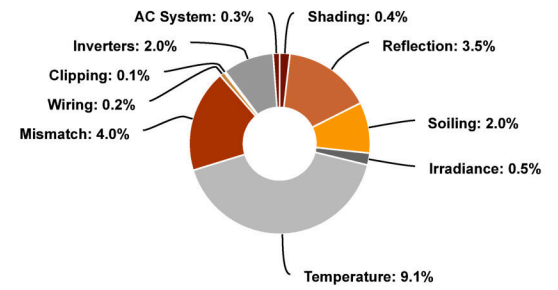
Description	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec
Field Segment 2	99%	99%	99%	100%	100%	100%	100%	100%	99%	99%	99%	99%
Field Segment 4	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%	99%	99%
Solar Access, weighted by kWp	99.2%	99.5%	99.6%	99.7%	99.7%	99.7%	99.7%	99.7%	99.6%	99.5%	99.3%	99.1%
AC Power (kWh)	9,231.7	10,424.0	15,768.2	19,355.0	21,993.0	22,653.8	23,818.1	20,610.5	16,730.7	13,025.4	9,343.5	8,207.4

Monthly Production

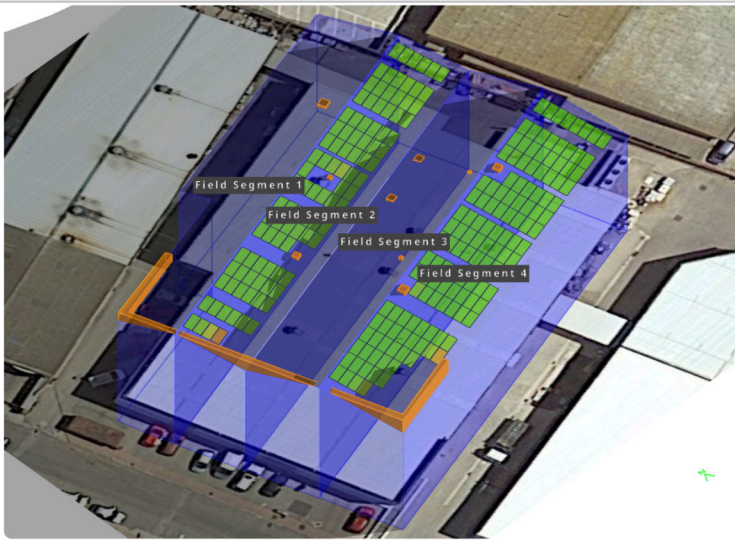


Month	GHI (kWh/m ²)	POA (kWh/m ²)	Shaded (kWh/m ²)	Nameplate (kWh)	Grid (kWh)
January	67.7	86.1	85.4	10,450.1	9,231.7
February	80.6	95.3	94.8	11,660.9	10,424.0
March	130.9	146.5	146.0	18,086.0	15,768.2
April	171.3	182.3	181.7	22,574.1	19,355.0
May	205.3	210.6	210.0	26,094.2	21,993.0
June	219.7	221.1	220.5	27,423.9	22,653.8
July	232.2	235.5	234.9	29,246.2	23,818.1
August	193.5	203.3	202.7	25,206.9	20,610.5
September	146.9	161.8	161.2	19,978.9	16,730.7
October	107.1	123.9	123.2	15,200.0	13,025.4
November	70.5	87.5	86.8	10,630.4	9,343.5
December	59.5	77.0	76.3	9,292.8	8,207.4

Sources of System Loss



Southwestern Angle



Southeastern Angle

