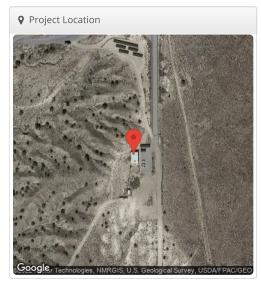
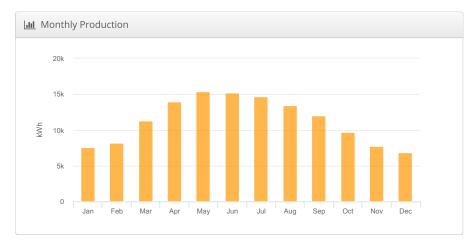


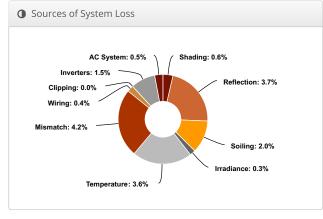
$Design \ 1 \ {\tt C} \ | \ {\tt Cerro} \ {\tt Colorado}, \ 18000 \ {\tt Cerro} \ {\tt Colorado} \ {\tt Rd} \ {\tt SW}$

| & Report | |
|-----------------|------------------------------------|
| Project Name | C Cerro Colorado |
| Project Address | 18000 Cerro Colorado Rd SW |
| Prepared By | OE Solar info@osceolaenergy.com |

| Lill System Metrics | | | | | |
|--------------------------|---|--|--|--|--|
| Design | Design 1 | | | | |
| Module DC Nameplate | 78.8 kW | | | | |
| Inverter AC Nameplate | 72.0 kW Load Ratio: 1.09 | | | | |
| Annual Production | 135.8 MWh | | | | |
| Performance Ratio | 84.3% | | | | |
| kWh/kWp | 1,724.8 | | | | |
| Weather Dataset | TMY, 10km Grid (35.05,-106.85), NREL (prospector) | | | | |
| Simulator Version | 976710bd6f-d16b7b72d4-0dcfd22a50- 1d0eb092a8 | | | | |







| | Description | Output | % Delta | | | |
|--------------------------|-------------------------------------|-----------|---------|--|--|--|
| Irradiance | Annual Global Horizontal Irradiance | 2,057.1 | | | | |
| | POA Irradiance | 2,046.0 | -0.5% | | | |
| | Shaded Irradiance | 2,033.4 | -0.6% | | | |
| (kWh/m ²) | Irradiance after Reflection | 1,957.9 | -3.7% | | | |
| | Irradiance after Soiling | 1,918.7 | -2.0% | | | |
| | Total Collector Irradiance | 1,918.6 | 0.0% | | | |
| Energy (kWh) | Nameplate | 151,230.4 | | | | |
| | Output at Irradiance Levels | 150,703.4 | -0.3% | | | |
| | Output at Cell Temperature Derate | 145,204.8 | -3.6% | | | |
| | Output After Mismatch | 139,136.4 | -4.2% | | | |
| | Optimal DC Output | 138,596.2 | -0.4% | | | |
| | Constrained DC Output | 138,592.2 | 0.0% | | | |
| | Inverter Output | 136,513.3 | -1.5% | | | |
| | Energy to Grid | 135,830.8 | -0.5% | | | |
| Temperature | Metrics | | | | | |
| | Avg. Operating Ambient Temp | | 16.9 °C | | | |
| Avg. Operating Cell Temp | | | | | | |
| Simulation Mo | etrics | | | | | |
| Operating Hours | | | | | | |
| Solved Hours | | | | | | |

| Condition Set | | | | | | | | | | | | |
|------------------------------|--|---|----|------|----------|------------------------------|-----------------------------|------------------|-------------------|---------------------------------|---|---|
| Description | Conc | Condition Set 1 | | | | | | | | | | |
| Weather Dataset | TMY, | TMY, 10km Grid (35.05,-106.85), NREL (prospector) | | | | | | | | | | |
| Solar Angle Location | Mete | Meteo Lat/Lng | | | | | | | | | | |
| Transposition Model | Pere: | Perez Model | | | | | | | | | | |
| Temperature Model | Sandia Model | | | | | | | | | | | |
| | Rack Type | | | а | а | | b | | Temperature Delta | | | |
| Temperature Model Parameters | Fixed Tilt | | | -3.5 | -3.56 | | -0.075 | | 3°C | | | |
| | Flus | h Mou | nt | -2.8 | 31 | -0.04 | 0.0455 | |)°C | | | |
| Soiling (%) | J | F | М | Α | M | J | J | Α | S | 0 | N | D |
| 558 (70) | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Irradiation Variance | 5% | 5% | | | | | | | | | | |
| Cell Temperature Spread | 4° C | | | | | | | | | | | |
| Module Binning Range | -2.5% | 6 to 2. | 5% | | | | | | | | | |
| AC System Derate | 0.50% | | | | | | | | | | | |
| Module | Module | | | | | Up Ву | Uploaded By Characteriza | | cterizat | tion | | |
| Characterizations | CS3U-375MS (1000V) (Canadian Solar) | | | | | Не | | | | ec Sheet aracterization, PAN | | |
| Component | Device Upl | | | | oaded By | | C | Characterization | | | | |
| Characterizations | PVI 36TL (Solectria) | | | | Heli | HelioScope Spec Sheet Effici | | | ciency | | | |



Annual Production Report produced by OE Solar

| ☐ Components | | | | | | |
|--------------|--|--------------------|--|--|--|--|
| Component | Name | Count | | | | |
| Inverters | PVI 36TL (Solectria) | 2 (72.0 kW) | | | | |
| Strings | 10 AWG (Copper) | 12 (1,917.2 ft) | | | | |
| Module | Canadian Solar, CS3U-375MS (1000V) (375W) | 210 (78.8 kW) | | | | |

| ♣ Wiring Zones | | | |
|----------------|----------------|-------------|--------------------|
| Description | Combiner Poles | String Size | Stringing Strategy |
| Wiring Zone | - | 14-18 | Along Racking |

| Ⅲ Field Segments | | | | | | | | | |
|--------------------------|---------------|---------------------------|------|---------|---------------------|---------------|--------|---------|------------|
| Description | Racking | Orientation | Tilt | Azimuth | Intrarow Spacing | Frame Size | Frames | Modules | Power |
| Field Segment 1 | East- West | Landscape (Horizontal) | 10° | 193° | 0.0 ft | 1x1 | 42 | 82 | 30.8 kW |
| Field Segment 1 (copy) | East- West | Landscape (Horizontal) | 10° | 193° | 0.0 ft | 1x1 | 16 | 32 | 12.0 kW |
| Field Segment 1 (copy 1) | East- West | Landscape (Horizontal) | 10° | 193° | 0.0 ft | 1x1 | 16 | 32 | 12.0 kW |
| Field Segment 1 (copy 2) | East- West | Landscape (Horizontal) | 10° | 193° | 0.0 ft | 1x1 | 16 | 32 | 12.0 kW |
| Field Segment 1 (copy 3) | East- West | Landscape (Horizontal) | 10° | 193° | 0.0 ft | 1x1 | 16 | 32 | 12.0 kW |



Oetailed Layout

