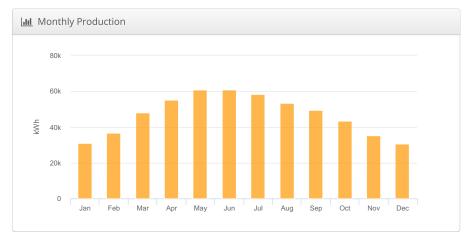


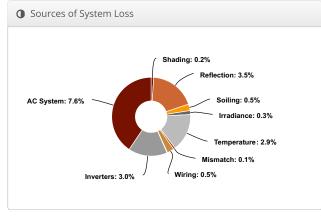
RM5 (copy)1 City of Albuquerque City Yards, 5501 Pino Ave NE

& Report	
Project Name	City of Albuquerque City Yards
Project Address	5501 Pino Ave NE
Prepared By	OE Solar info@osceolaenergy.com

LIII System Metrics						
Design	RM5 (copy)1					
Module DC Nameplate	319.6 kW					
Inverter AC Nameplate	300.0 kW Load Ratio: 1.07					
Annual Production	562.7 MWh					
Performance Ratio	82.5%					
kWh/kWp	1,760.6					
Weather Dataset	TMY, 10km grid (35.15,-106.55), NREL (prospector)					
Simulator Version	976710bd6f-d16b7b72d4-0dcfd22a50- 1d0eb092a8					







	Description	Output	% Delta			
	Annual Global Horizontal Irradiance	2,045.1				
	POA Irradiance	2,134.4	4.4%			
Irradiance	Shaded Irradiance	2,130.1	-0.2%			
(kWh/m ²)	Irradiance after Reflection	2,054.8	-3.5%			
	Irradiance after Soiling	2,044.5	-0.5%			
	Total Collector Irradiance	2,044.5	0.0%			
Energy (kWh)	Nameplate	653,615.6				
	Output at Irradiance Levels	651,645.1	-0.3%			
	Output at Cell Temperature Derate	632,642.8	-2.9%			
	Output After Mismatch	631,724.3	-0.1%			
	Optimal DC Output	628,389.7	-0.5%			
	Constrained DC Output	628,137.7	0.0%			
	Inverter Output	609,179.9	-3.0%			
	Energy to Grid	562,689.7	-7.6%			
Temperature M	letrics					
Avg. Operating Ambient Temp						
Avg. Operating Cell Temp						
Simulation Met	rics					
Operating Hours						
Solved Hours						



Condition Set														
Description	Condition Set 2													
Weather Dataset	TMY, 10km grid (35.15,-106.55), NREL (prospector)													
Solar Angle Location	Meteo Lat/Lng													
Transposition Model	Hay Model													
Temperature Model	Sandia Model													
	Rack Type				a		b	b		Te	mpera	ture D	elta	
Temperature Model	Fixed	d Tilt			-3.	56	-0.0	75		3°(С			
Parameters	Flush Mount				-2.	81	-0.0455			0°C				
	East-West				-3.	56	-0.075			3°C				
	Carp	ort			-3.56		-0.0	-0.075		3°C				
Soiling (%)	J	F	М		Α	M	J	J		Α	S	0	N	D
309 (70)	0.5	0.5	0.5	С).5	0.5	0.5	0.5	. (0.5	0.5	0.5	0.5	0.5
Irradiation Variance	1%													
Cell Temperature Spread	1° C													
Module Binning Range	-1% t	o 1%												
AC System Derate	0.50%													
Module Characterizations	Module				Up By	Uploaded By		Characterization						
	AC-340M/156-72S (Axitec)				Не	Helioscope		Spec Sheet Characterization, PAN						
Component Characterizations	Devi	Device Uploaded By Characterization												

⊖ Components							
Component	Name	Count					
Inverters	PVI50kW-240 (Solectria Renewables)	6 (300.0 kW)					
AC Panels	6 input AC Panel	1					
AC Home Runs	1/0 AWG (Copper)	1 (1,489.6 ft)					
AC Home Runs	6 AWG (Aluminum)	6 (1,868.4 ft)					
Strings	10 AWG (Copper)	90 (18,451.0 ft)					
Module	Axitec, AC-340M/156-72S (340W)	940 (319.6 kW)					

♣ Wiring Zones			
Description	Combiner Poles	String Size	Stringing Strategy
Wiring Zone	-	9-11	Along Racking

Field Segments										
Description	Racking	Orientation	Tilt	Azimuth	Intrarow Spacing	Frame Size	Frames	Modules	Power	
Field Segment 1	Fixed Tilt	Landscape (Horizontal)	5°	180°	0.6 ft	1x1	270	270	91.8 kW	
Field Segment 2	Fixed Tilt	Landscape (Horizontal)	5°	180°	0.9 ft	1x1	68	68	23.1 kW	
Field Segment 2 (copy)	Fixed Tilt	Landscape (Horizontal)	5°	180°	0.9 ft	1x1	170	170	57.8 kW	
Field Segment 2 (copy 1)	Fixed Tilt	Landscape (Horizontal)	5°	180°	0.9 ft	1x1	434	432	146.9 kW	



