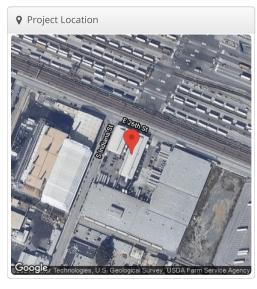
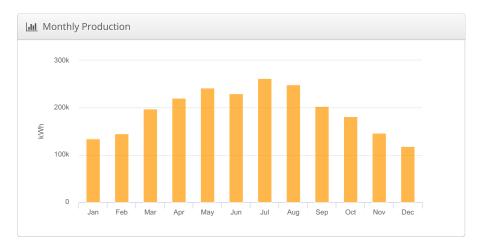
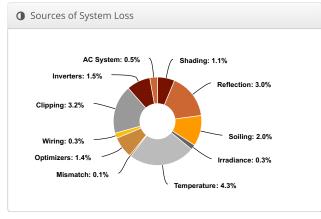
Initial Design CP V2 (NM Cap) Rehrig Pacific Company - CA, 4010 E 26th St, Vernon, CA 90058

& Report	
Project Name	Rehrig Pacific Company - CA
Project Address	4010 E 26th St, Vernon, CA 90058
Prepared By	Calvin Preston cpreston@verdesolutions.com

Lill System Metrics						
Design	Initial Design CP V2 (NM Cap)					
Module DC Nameplate	1.35 MW					
Inverter AC Nameplate	1,000.0 kW Load Ratio: 1.35					
Annual Production	2.331 GWh					
Performance Ratio	83.5%					
kWh/kWp	1,733.2					
Weather Dataset	TMY, 10km grid (34.05,-118.15), NREL (prospector)					
Simulator Version	1e9ccd774f-254d8fa384-08bdb03a88- 71b9b7d496					







	Description	Output	% Delta				
	Annual Global Horizontal Irradiance	1,935.9					
	POA Irradiance	2,076.7	7.3%				
Irradiance	Shaded Irradiance	2,053.3	-1.1%				
(kWh/m ²)	Irradiance after Reflection	1,992.6	-3.0%				
	Irradiance after Soiling	1,952.7	-2.0%				
	Total Collector Irradiance	1,952.7	0.0%				
	Nameplate	2,625,972.3					
	Output at Irradiance Levels	2,617,367.2	-0.3%				
	Output at Cell Temperature Derate	2,503,706.1	-4.3%				
	Output After Mismatch	2,501,417.2	-0.1%				
Energy (kWh)	Optimizer Output	2,466,316.7	-1.4%				
(KVVII)	Optimal DC Output	2,458,010.6	-0.3%				
	Constrained DC Output	2,379,737.8	-3.2%				
	Inverter Output	2,342,955.5	-1.5%				
	Energy to Grid	2,331,240.7	-0.5%				
Temperature N	1etrics						
	Avg. Operating Ambient Temp		18.0 °C				
		28.8 °C					
Simulation Metrics							
		Operating Hours	4635				
		Solved Hours	4635				

Condition Set														
Description	Condition Set 1													
Weather Dataset	TMY, 10km grid (34.05,-118.15), NREL (prospector)													
Solar Angle Location	Meteo Lat/Lng													
Transposition Model	Perez Model													
Temperature Model	Sandia Model													
	Rack	к Туре			a		b	b		Temperature Delta				
Temperature Model Parameters	Fixed Tilt				-3.56		-0.075			3°C				
	Flus	h Moı	unt		-2.	.81	-0.0	455)°C				
Soiling (%)	J	F	М	,	Ą	M	J	J	Α	S	0	N	D	
3011118 (70)	2	2	2		2	2	2	2	2	2	2	2	2	
Irradiation Variance	5%													
Cell Temperature Spread	4° C													
Module Binning Range	-2.5% to 2.5%													
AC System Derate	0.50%													
Module Characterizations	Module					Uplo By	aded	Characterization						
	Q.PEAK DUO L-G8.2 430 (Hanwha)						Folsom Spec Sheet Labs Characterization, PAN							
Component Characterizations	Device Uploaded By Characterization													

Annual Production Report produced by Calvin Preston

⊖ Components								
Component	Count							
Inverters	SE100KUS (SolarEdge)	10 (1,000.0 kW)						
Strings	10 AWG (Copper)	90 (14,289.0 ft)						
Optimizers	P860 (SolarEdge)	1,598 (1.37 MW)						
Module	Hanwha, Q.PEAK DUO L-G8.2 430 (430W)	3,128 (1.35 MW)						

♣ Wiring Zones			
Description	Combiner Poles	String Size	Stringing Strategy
Wiring Zone	-	13-35	Along Racking

Ⅲ Field Segments										
Description	Racking	Orientation	Tilt	Azimuth	Intrarow Spacing		Frame Size	Frames	Modules	Power
Field Segment 1	Fixed Tilt	Landscape (Horizontal)	10°	202.23306°	1.2 ft		1x1	1,223	1,223	525.9 kW
Field Segment 2	Fixed Tilt	Landscape (Horizontal)	10°	202.1522°	1.2 ft		1x1	881	881	378.8 kW
Field Segment 3	Fixed Tilt	Landscape (Horizontal)	10°	202.06857°	1.2 ft		1x1	1,024	1,024	440.3 kW
Field Segment 4	Fixed Tilt	Landscape (Horizontal)	10°	202.14339°	1.2 ft		1x1			0

