

D:\DEPCOM Power Dev\CAD - PDE\Opportunities\RWE\Ashwood\Site Plans\WIP\Active Drawings\Ashwood SP-100-5-F-for information only - 11/27/2023 8:54 AM



KY86 Ashwood Solar
Eddyville, Lyon County, Kentucky

Owner/Developer:
RWE

Project Site Description:
 Latitude: 37.157531°
 Longitude: -88.063289°
 Elevation: 405 ft min - 491 ft max
 Total Site Area - Available: 1535.90 ± Acres
 Total Buildable Area: 255.55 ± Acres
 Total Fenced Acres: 318.81 ± Acres
 Total Array Footprint: 217.21 ± Acres

Annual Cooling Design Temp: 105.4° F
 Extreme Annual Min DB MeanTemp: 2.1° F (ASHRAE 2017)
 Soil Thermal Resistivity Value (Rho): 210
 Soil Max. Temperature: 26.1° C / 78.9° F
 Soil Min. Moisture Content: 2%

Wind Load: 105, Risk Category I
 Snow Load: 15psf
 Seismic Load: SS= 0.78g, S1= 0.27g

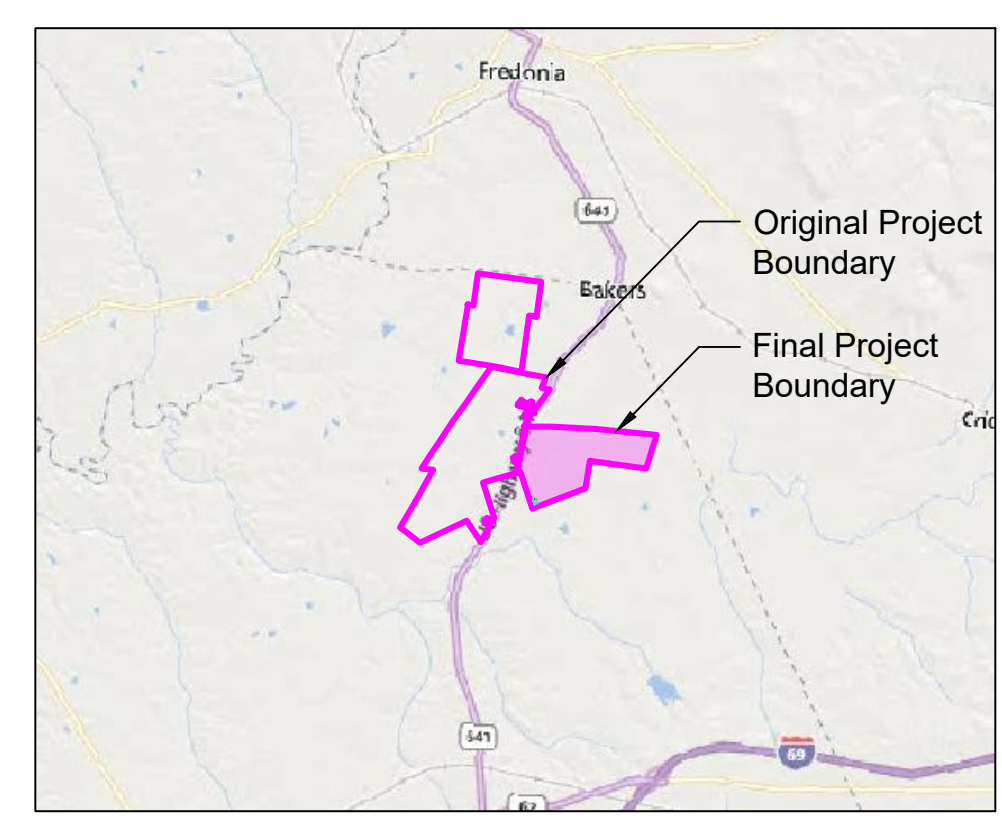
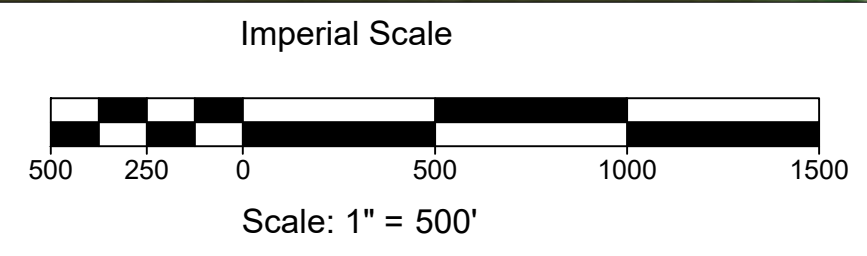
Interconnection Data:
 Transmission Provider: TBD
 Interconnection Voltage: 161kV
 Offtaker: TBD
 Point of Interconnection: Existing 161kV Transmission Line, Via 500' gen-tie

- Legend**
- Property Line
 - Underground AC Line
 - Overhead AC Line
 - Directional Bore
 - Perimeter Fence
 - Existing Overhead Line
 - Existing Gas Line
 - Existing Easement
 - Proposed Right of Way
 - Existing Stream - Non Jurisdictional
 - Karst Avoidance Area
 - Existing Archaeological Area
 - Wetlands - Non Jurisdictional
 - 100-YR FEMA Flood Plain
 - Pollinator Habitat
 - Landscape Buffer
 - O&M building
 - Proposed Laydown Area
 - Proposed Storm Water Management
 - 545W Module Arrays
 - 550W Module Arrays
 - Array Number
 - Full Meteorological Station
 - Compact Meteorological Station

Information used to prepare this drawing		
Item	Source	Date, Revision
Project Boundary	ALTA by Westwood: 0030374.00.dwg & 0030374.00 Ashwood solar alta 05-17-21.pdf	5/13/2021
CUP/SUP	None	N/A
Constraints	Buildable area provided by client: Ashwood_EngineeringFiles_20230601.kmz	1/6/2023
Geotechnical Report	Prelim Geotech Report prepared by Terracon: Project #: 57215012	8/4/2021
FEMA	Panel: 21143C0050B	4/17/2018
Topographic Survey	XML file provided by Client: FBO_0030374.00 Ashwood Solar 1ft Contours.210412.xml	4/26/2021
Hydrology	2021-05-10 Ashwood Preliminary Drainage Report.pdf by Kimley Horn	5-10-21, Rev 3
Wetlands	Wetland Delineation Summary by Stantec: 01_let_RWE_Ashwood_Wetland.pdf & Shape Files	8/11/2020
POI Location	None	N/A
Aerial Imagery	Bing Map	N/A
ASHRAE	http://ashrae-meteo.info/index.php	ASHRAE 2017
Wind Load Source	https://asce7hazardtool.online/	(ASCE7-10)
Snow Load Source	https://asce7hazardtool.online/	(ASCE7-10)
Seismic Load Source	https://asce7hazardtool.online/	(ASCE7-10)

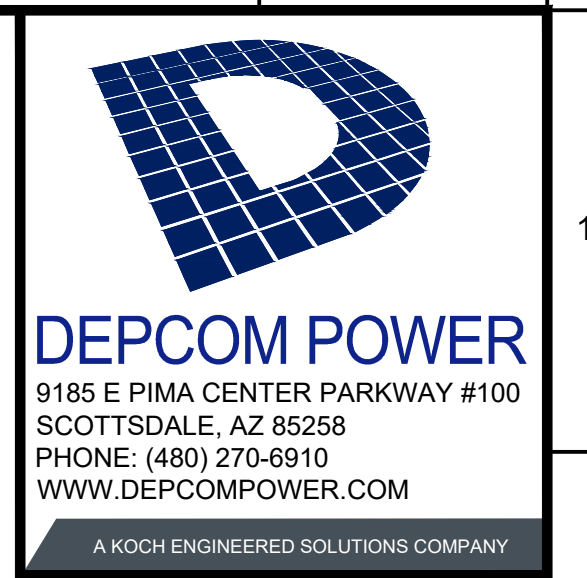
Site Plan
Scale: 1" = 500'

AC Capacity at Point of Interconnection: 86MWac



Key Map
Scale: 1" = 10,000'

Circuit	Number of Arrays	MWdc	MWac	dc/ac Ratio
1	7	32.945	23.438	1.4056
2	7	33.328	23.438	1.4220
3	6	28.765	20.090	1.4318
4	6	28.762	20.838	1.3802
Total Capacity	26	123.800	87.804	1.4100



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THIS PRINT IS NOT TO BE USED FOR CONSTRUCTION UNLESS NOTED AND SIGNED "OK FOR CONSTRUCTION" ABOVE LAST REVISION

REV	DATE	DESCRIPTION	BY	CHK	APP
5	11-20-23	Updated Array 3 & Access Road	MA	DY	MP
4	10-26-23	Updated Landscape Buffer	DY	DY	MP
3	10-11-23	Updated Array Layout and Added MET Station	DY	DY	MP
2	09-29-23	Updated Layout per Module Bin Class & Civil	MA	DY	MP
1	09-01-23	Updated Module Bin Class & String size	MP	DY	MP
0	8-4-23	Released for Engineering Design	MP	DY	MP

DEPCOM JOB NUMBER: 21-0041-00
 PROJECT CODE: KY86
 PROJECT DIRECTOR: TBD
 PROJECT MANAGER: TBD

Site Plan

CHECKED BY: DY
 DRAWN BY: DY
 SCALE: AS NOTED

DRAWING NUMBER:
SP-100-5-F

SHEET 1 OF 4