

**Case No. 18-0453-EL-REN**  
**Walton 2 Solar Facility**  
**Staff Interrogatories – Initial Set**

Question 1: In Section A of the application, according to Google maps the facility street address and the facility latitude and longitude are 150 miles apart. Please provide the correct facility street address and the facility latitude and longitude.

Answer 1: Corrected coordinates are: 38.847893, -84.591162. Address is correct.

Question 2: In Section I.a of the application, the nameplate capacity is listed as 2.0311 MW. However, in section G.1 you state that the system has 8,512 335 watt panels which would give you a nameplate capacity of 2.85152 MW. Is the nameplate capacity 2.85152? If not, please explain how the nameplate capacity was determined.

Answer 2: The nameplate capacity for Walton 2 should be 2.85152 MW.

Question 3: In Section G.3 the facility photo of the Walton 2 solar facility is the same as the facility photo of Walton 1 solar facility (18-0452-EL-REN). Please indicate on the facility photo or a diagram of the combined facility which modules belong to which facility.

Answer 3: See attached site plan. To orient as the picture is presented in the application please rotate the site plan 180 degrees where the text is upside down.

**WALTON SOLAR FARM UNIT 1**  
 AZIMUTH = 180°  
 ROW PITCH = 9 M (29'-6")  
 TILT ANGLE = 25°  
 RACK CONFIGURATION = 2X19 IN PORTRAIT  
 TOTAL NO. OF RACKS = 146  
 RACK CONFIGURATION = 2X38 IN PORTRAIT  
 TOTAL NO. OF RACKS = 39  
 NO. OF MODULES PER STRING = 19  
 TOTAL NO. OF MODULES = 8,512  
 MODULE POWER = 335W DC  
 PV MODUL = TRINA TALLMAX M PLUS 335W  
 ILR = 1.41  
 SYSTEM DC POWER = 2.85MW  
 INVERTER = (32) SCHNEIDER 1000 VDC 63.4 kW  
 SYSTEM AC POWER = 2.03MW

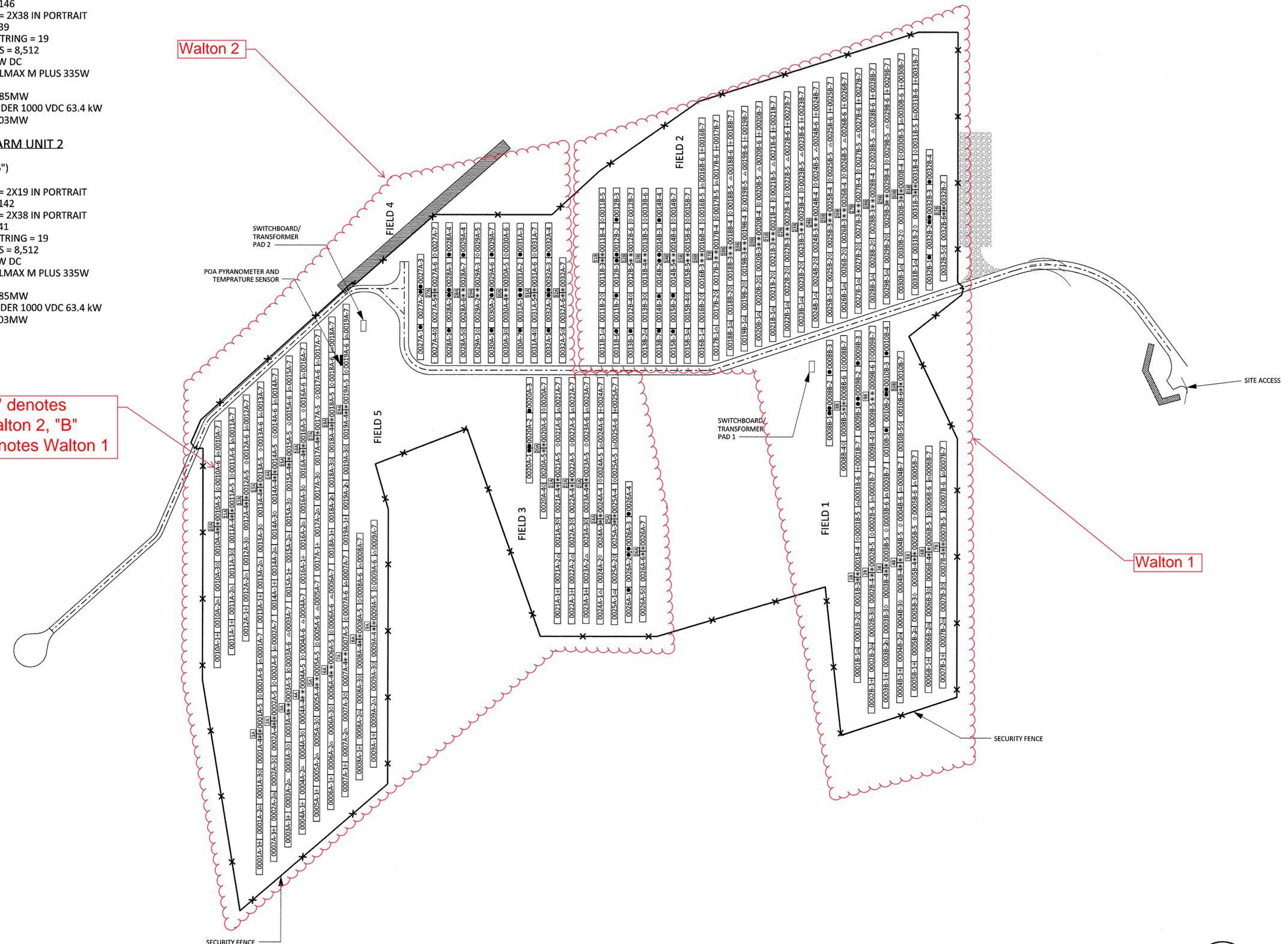
**WALTON SOLAR FARM UNIT 2**  
 AZIMUTH = 180°  
 ROW PITCH = 9 M (29'-6")  
 TILT ANGLE = 25°  
 RACK CONFIGURATION = 2X19 IN PORTRAIT  
 TOTAL NO. OF RACKS = 142  
 RACK CONFIGURATION = 2X38 IN PORTRAIT  
 TOTAL NO. OF RACKS = 41  
 NO. OF MODULES PER STRING = 19  
 TOTAL NO. OF MODULES = 8,512  
 MODULE POWER = 335W DC  
 PV MODUL = TRINA TALLMAX M PLUS 335W  
 ILR = 1.41  
 SYSTEM DC POWER = 2.85MW  
 INVERTER = (32) SCHNEIDER 1000 VDC 63.4 kW  
 SYSTEM AC POWER = 2.03MW

- LEGEND:**
- ✱ 15 FOOT HARNESS
  - ◇ 78 FOOT HARNESS
  - △ 141 FOOT HARNESS
  - ⊕ 204 FOOT HARNESS
  - 8 AWG CUSTOM CABLE

"A" denotes  
Walton 2, "B"  
denotes Walton 1

Walton 2

Walton 1



40779479  
 02/01/2018 01:38 PM  
 MicroStation v8.11.19.578  
 1" = 1" Full Size

NO	DATE	REVISIONS AND RECORD OF ISSUE	DRN	DES	CHK	PDE	APP
3	02/FEB/18	CONFORMS WITH CONSTRUCTION RECORDS-NIC	APJ	MDK	-	CL	SK
2	30/OCT/17	REVISED PER ECN-N-E-0004	KK	MDK	CL	CL	SK
1	11/OCT/17	REVISED PER ECN-N-E-0003	KK	MDK	CL	CL	SK
0	22/AUG/17	APPROVED FOR CONSTRUCTION	KK	MDK	CL	CL	SK

I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF KENTUCKY.

SIGNED: CHARLES LADD  
 DATE: 30/OCT/17  
 REG NO.: 32692

<b>BLACK &amp; VEATCH</b>	
DESIGNER: MDK	DRAWN: KK
CHECKED: CL	DATE: 22/AUG/17

**DUKE ENERGY**  
 WALTON I & II SOLAR PROJECTS  
 SITE ELECTRICAL  
 ELECTRICAL RACK CONFIGURATION

PROJECT: WSF00-LG-E-AE.00.PL-02	DRAWING NUMBER: 3
CODE:	AREA:

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