

FRON bn, LLC (Frontier Solar)
Supplemental Response to Siting Board Staff's First Request for Information
Case No. 2023-00360

Request No. 15:

Refer to the SAR, Exhibit A, Preliminary Site Layout. It appears not all proposed solar arrays have populated on the site plan. Provide an updated site plan showing all proposed solar arrays and any other updates.

Response No. 15:

Please see attached.

Supplemental Response:

In responding to Siting Board Staff's First Request for Information, the Preliminary Site Layout uploaded as the attachment to Response No. 15 did not fully render and thus did not display the locations of some Project components. The Preliminary Site Layout has been flattened to further consolidate the underlying data and facilitate the full display of all Project components, but otherwise is unchanged from the version originally attached to Response No. 15.

Responding Witness: Praneeth Chiguluri

Project Details

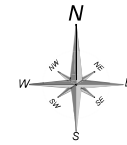
Site latitude	37°38'18.12"N
Site longitude	85°16'12.91"W
PV DC capacity (max.)	145,119 MWp
PV AC capacity at POI	120 MWac
DC AC ratio at POI	1.209
Evacuation voltage	138 kV
Module wattage	545Wp
Module type	Bifacial
Module quantity	266274
Module per string	27
Total strings	9862
PV Inverter rating	4MWac
PV Inverter Type	Central
PV Inverter quantity	35
Racking type	Tracker
Pitch	24'-11"
Ground coverage ratio	30%
Tracker Quantity_4 String Tracker	2039
Tracker Quantity_3 String Tracker	412
Tracker Quantity_2 String Tracker	235
Total Trackers	2686
Land area used for PV	935 Acres
Site fence length	76461'

Note:-
 * All Dimensions Are in Feet.
 * Coordinates System :- UTM84-16N,UTM-WGS 1984 datum, Zone 16 North, Meter; Cent. Meridian 87d W
 * Tree cutting considered

DATE	REV.	REVISION HISTORY	DRN. BY	CKD. BY	APPD. BY
2023-12-21	09	LAND BOUNDARY AND CONSTRAINTS REVISED	MA	PS	KP
2023-09-22	08V02	MATTINGLY KEVIN PROPERTY & PINKSTON (KIM) PROPERTY USED	SS	PS	KP
2023-08-29	07	LAND BOUNDARY REVISED	SS	PS	KP
2023-05-06	06	LAND BOUNDARY REVISED	MA	PS	KP
2023-03-27	05V02	DC CAPACITY AND GCR REVISED	MA	PS	KP
2022-10-27	04	NEW PARCEL ADDED & AC CAPACITY REVISED	MA	PS	KP
2022-09-07	03	NEW PARCEL ADDED & AC CAPACITY REVISED	MA	PS	KP
2022-08-02	02	ATI TRACKER USED	YS	PS	KP
2022-07-27	01	WET LAND DELINEATION ADDED	YS	PS	KP
2022-03-31	00	FIRST ISSUE	MA	PS	KP

BRIGHTNIGHT		BrightNight Power			
PROJECT NAME	FRONTIER (FRON)				
DRAWN	TITLE:- PLANT LAYOUT (PV)				
APPROVED	PURPOSE CODE	DRAWING NO.	REV.	SHEET	
SCALE	NTS	ISSUE FOR PERMIT	00	09	1 OF 5

NOTE:-
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SYMBOL	DESCRIPTION
	ACCESS GATE
	PROPOSED 138kV GEN-TIE LINE ROUTE
	PROPOSED MV COLLECTION LINE ROUTE
	FLOOD AREA
	NATURAL DRAIN
	COUNTY BOUNDARY LINE
	EXCLUSION AREA
	PROPOSED GEN TIE STRUCTURE

SYMBOL	DESCRIPTION
	SITE BOUNDARY
	SITE FENCE
	SETBACK LINE
	COUNTY ROAD
	TRACKER
	INVERTER SKID
	PLANT INTERNAL ROADS (15')
	SUBSTATION ACCESS ROAD (25')
	WETLAND
	UNDULATED AREA
	TREE SHADING AREA
	STORM WATER BASINS
	RESIDENTIAL SETBACK

