

August 20, 2021

Ms. Tanowa Troupe, Secretary  
Ohio Power Siting Board  
Docketing Division  
180 East Broad Street, 11<sup>th</sup> Floor  
Columbus, Ohio 43215-3797

**Re:** Case No. 21-508-EL-BGA, In the Matter of the Application of Madison Fields Solar Project, LLC, for an Amendment to its Certificate Issued in Case No. 19-1881-EL-BGN to Extend the Facility Footprint Within the Project Area.

**Response to Second Data Request From Staff of the Ohio Power Siting Board**

Dear Ms. Troupe:

Attached please find Madison Fields Solar Project, LLC's ("Applicant") Response to the Second Data Request from the staff of the Ohio Power Siting Board ("OPSB Staff"). The Applicant provided this response to OPSB Staff on August 20, 2021.

We are available, at your convenience, to answer any questions you may have.

Respectfully submitted,

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## CERTIFICATE OF SERVICE

The Ohio Power Siting Board's e-filing system will electronically serve notice of the filing of this document on the parties referenced in the service list of the docket card who have electronically subscribed to these cases. In addition, the undersigned certifies that a copy of the foregoing document is also being served upon the persons below this 20<sup>th</sup> day of August, 2021.

/s/ Christine M.T. Pirik

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4827-5414-7828 v1 [88534-2]

**BEFORE  
THE OHIO POWER SITING BOARD**

In the Matter of the Application of Madison Fields     )  
Solar Project, LLC for an Amendment to its     )  
Certificate issued in Case no. 19-1881-EL-BGN to     ) Case No. 20-508-EL-BGA  
Extend the Facility Footprint Within the Project     )  
Area.     )

**MADISON FIELDS SOLAR PROJECT, LLC 'S  
RESPONSE TO THE SECOND DATA REQUEST  
FROM THE STAFF OF THE OHIO POWER SITING BOARD**

On May 7 and 10, 2021, as supplemented on June 2, 7, and 22, 2021, Madison Fields Solar Project, LLC (“Applicant”), a wholly-owned subsidiary of Savion, LLC (“Savion”), filed an application with the Ohio Power Siting Board (“OPSB” or “Board”) for an amendment to its Certificate of Environmental Compatibility and Public Need issued in Case No. 19-1881-EL-BGN (“Certificate”) to extend the Facility Footprint within the Project Area for the construction of the 180-megawatt, solar-powered electric generation facility in Madison County, Ohio (“Amendment Application”).

On August 13, 2021, the Staff of the OPSB (“OPSB Staff”) provided the Applicant with OPSB Staff’s Second Data Request. Now comes the Applicant providing the following response to the Second Data Request from the OPSB Staff.

**Project Description**

1. **In order for Staff to compare the layout proposed in the amendment for OPSB Case No. 21-0508-EL-BGA, please confirm that its proposed layout of the solar facility as reflected on page 9 of the Staff Report filed in case no. 19-1881-EL-BGN on 11/18/2020 has not changed, specifically the proposed locations for the following:**
  - a. **Solar panel arrays,**
  - b. **Switchyard,**
  - c. **Substations,**
  - d. **O&M facility,**
  - e. **Laydown yard,**

- f. Generation tie-line,
- g. Fence line,
- h. Collection line, and
- i. Met station.

**Response:** The proposed layout of the solar facility as reflected on page 9 of the Staff Report filed in the initial application case, *In re Application of Madison Fields Solar Project, LLC*, Case No. 19-1881-EL-BGN (“Initial Application”), has not changed. An updated layout was not proposed in the Amendment Application for OPSB Case No. 21-508-EL-BGA. The intent of the Amendment Application was to provide the additional cultural resource studies that were required per the Staff Report, committed to in the Stipulation, and approved by the Board in the Initial Application case (See.

It has yet to be determined which of the 925 acres included in the Amendment Application will be utilized for final design. The map provided in the Applicant’s Response to the First Data Request from the OPSB Staff that was filed on July 21, 2021 in this case (“First Data Response”) illustrated four potential design iterations, none of which have been officially submitted to the OPSB. The intent of the map was to illustrate that, since the Project size is not increasing, an updated design would only use a portion of the 925 acres included in the Amendment Application. This information included in the First Data Response was provided at the request of the OPSB. An updated version of the map has been provided as Attachment A. This updated map illustrates that all four of the potential design iterations fall within the 1,932-acre certificated Project Area. Per the conditions of the Certificate, final design will be provided to OPSB no later than 60 days prior to the start of construction.

2. **Please confirm that the four layouts presented in Attachment A of Madison Fields Solar Project, LLC’s response to the First Data Request from Staff of the OPSB filed 7/21/2021 in 21-0508-EL-BGA were illustrative only that Madison Fields Solar Project LLC is currently refining its engineering design.**

**Response:** The four layouts presented in Attachment A of the Applicant’s First Data Response were illustrative only. The Applicant is currently refining its engineering design, and as per the conditions of the Certificate, final design will be provided to OPSB no later than 60 days prior to the start of construction.

3. In Table 8-5 on page 70 of the Application for 19-1881-EL-BGN, the solar generating facility project infrastructure is contained to 1,006.4 acres. Please provide the total acreage for the layouts entitled “Likely solution” and “Possible depending module selection” as contemplated in Madison Fields Solar Project LLC filing dated 7/21/2021 in 21-0508-EL-BGA

**Response:**

Layout	Facility Footprint Acreage
“Likely solution”	Approx. 1,290 acres
“Possible depending module selection”	Approx. 840 acres

4. Is either proposed gen tie transmission line within one hundred feet of an occupied residence or institution? If yes, please provide the calculated electric and magnetic field strength levels at one meter above ground, under the conductors and at the edge of the right-of-way for (i) Winter normal conductor rating, (ii) Emergency line loading, and (iii) Normal maximum loading.

**Response:** Neither of the potential gen-tie transmission line locations included in the layout filed in the Initial Application are within 100 feet of an occupied residence or institution. An updated layout was not proposed in this Amendment Application.

**Glare**

5. In order for Staff to compare layout proposed in the amendment for OPSB Case No. 21-0508-EL-BGA, please confirm that the proposed amendment 21-0508-EL-BGA does not alter the layout of solar equipment from that layout proposed in 19-1881-EL-BGN. If not, please provide an updated “Glint and Glare Analysis.”

**Response:** An updated layout was not proposed in this Amendment Application. The proposed layout of the solar facility filed in the Initial Application has not changed. Per the conditions of the Certificate, final design will be provided to OPSB no later than 60 days prior to the start of construction. If the final design extends beyond the Facility Footprint approved under the Certificate, an updated “Glint and Glare Analysis” will be provided to OPSB. The updated “Glint and Glare Analysis” will be provided at least 30 days prior to construction and shall show that there will be no hazardous glare resulting from the Project.

## **Decommissioning**

6. **Please confirm that the proposed amendment 21-0508-EL-BGA does not increase the number of solar panel arrays, substations, O&M Facility, miles of fence line, miles of collection line, and number of met stations from that were proposed in 19-1881-EL-BGN. If not, please provide a table with the update quantities of that equipment and an updated “Decommissioning Plan” including cost estimate for removal and restoration.**

**Response:** This proposed Amendment Application does not increase the number of solar panel arrays, substations, operation and maintenance (“O&M”) facilities, miles of fence line, miles of collection line, or number of met stations that were approved in the Initial Application case. The proposed layout of the solar facility approved in the Initial Application case has not changed. Per the conditions of the Certificate, final design will be provided to OPSB no later than 60 days prior to the start of construction. On pages 35 and 36 of the Initial Application, and pages 15 and 16 of the Staff Report in the Initial Application case it states that decommissioning costs for the Project will be recalculated 30 days prior to the preconstruction conference and will be reviewed again in year 10 of Project operations and every five years thereafter.

## **Public and Private Water Supply**

7. **Please confirm that the proposed solar farm equipment is not any closer to the SWPA protection zones for the Rose Bible College from that proposed in page 9 of the staff report filed on 11/18/2020 in docket 19-1881-EL-BGN.**

**Response:** An updated layout was not proposed in this Amendment Application. The proposed layout of the solar facility filed in the Initial Application has not changed and is not any closer to the source water protection area (“SWPA”) for the Rosedale Bible College. Per the conditions of the Certificate, final design will be provided to OPSB no later than 60 days prior to the start of construction.

8. **Please confirm that there are two water wells within the project area.**

**Response:** On page 53 of the Initial Application it states that there are two water wells within the Project Area. An updated Project Area was not proposed in this Amendment Application and the Project Area proposed in the Initial Application has not changed.

9. **Please confirm the distance from solar equipment to each water well within the project area.**

**Response:** On page 53 of the Initial Application it states that both wells within the Project Area are more than 1,000 feet away from the nearest infrastructure component. An updated layout was not proposed in this Amendment Application and the proposed layout of the solar facility filed in the Initial Application has not changed. Per the conditions of the Certificate, final design will be provided to OPSB no later than 60 days prior to the start of construction.

### **Wind Velocity**

10. **Please confirm that during the detailed engineering phase, the Madison Fields Solar Project, LLC will minimize any potential damage from high wind velocities by proper structural design of the project support equipment at sufficient depths based on the site-specific soil conditions to preclude any adverse influence from high wind velocities.**

**Response:** Confirmed. Please see Exhibit 6 from the Initial Application case, Madison Fields Solar Project, LLC's Response to Question 1 of the Third Data Request from OPSB Staff filed on October 23, 2021, which addresses this question for the Project.

11. **Please confirm that during the detailed engineering phase, the Madison Fields Solar Project, LLC will utilize a racking system that will include a stowing feature that would tilt panels to a certain angle to reduce wind loading on the solar panels during high wind speeds events.**

**Response:** Confirmed. Please see Exhibit 6 from the Initial Application case, Madison Fields Solar Project, LLC's Response to Question 2 of the Third Data Request from OPSB Staff filed on October 23, 2021, which addresses this question for the Project. The Applicant will utilize a racking system that will include a stowing feature.

12. **Please confirm that during the detailed engineering phase, the Madison Fields Solar Project, LLC will have several anemometers throughout the project to monitor local wind conditions.**

**Response:** Confirmed. Please see Exhibit 6 from the Initial Application case, Madison Fields Solar Project, LLC's Response to Question 2 of the Third Data Request from OPSB

Staff filed on October 23, 2021, which addresses this question for the Project. The Applicant.

13. **Please describe the wind speed that the solar generating facility (e.g., solar panels, racking system, and support piles) is currently being designed to withstand.**

**Response:** Climate data from the Ohio State University College of Food, Agricultural and Environmental Sciences was reviewed to characterize wind velocities in the vicinity of the proposed Project. The data (provided on page 56 of the Initial Application) indicates that wind speeds were most commonly observed in the range of 2 to 6 miles per hour (“mph”). The proposed layout of the solar facility filed in the Initial Application case was designed to withstand a wind speed of 107 mph, which would minimize any potential damage from a high wind speed event.

#### **Aviation**

14. **Please confirm that with this proposed amendment (21-0508-EL\_BGA) there are no additional aviation impacts than those presented in 19-1881-EL-BGN, specifically to either the Darby Airport or Madison County Airport.**

**Response:** Changes to the Project Area and solar facility layout were not proposed as part of this Amendment Application. The Project Area and solar facility layout filed in the Initial Application case have not changed, therefore there are no additional aviation impacts.

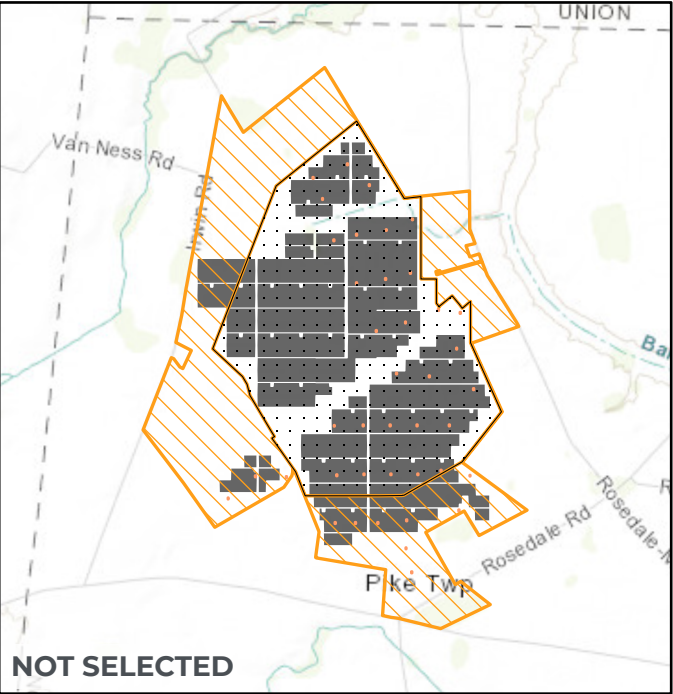
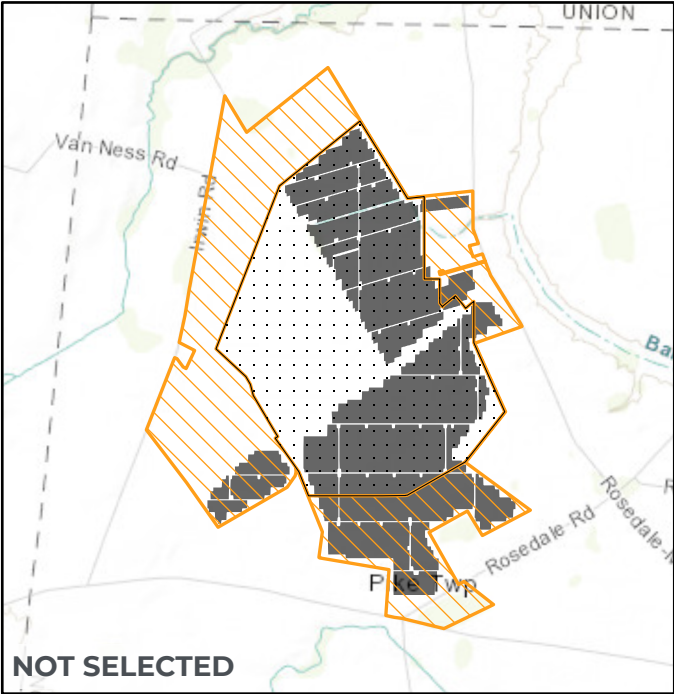
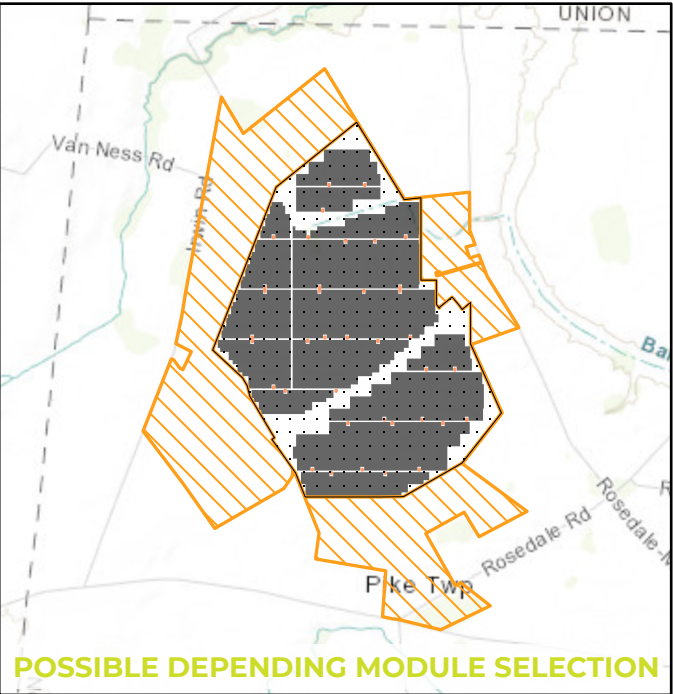
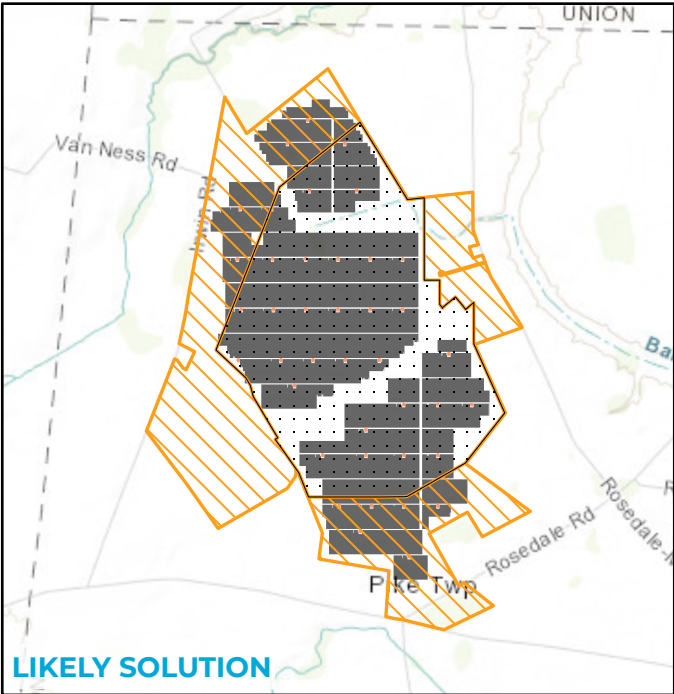
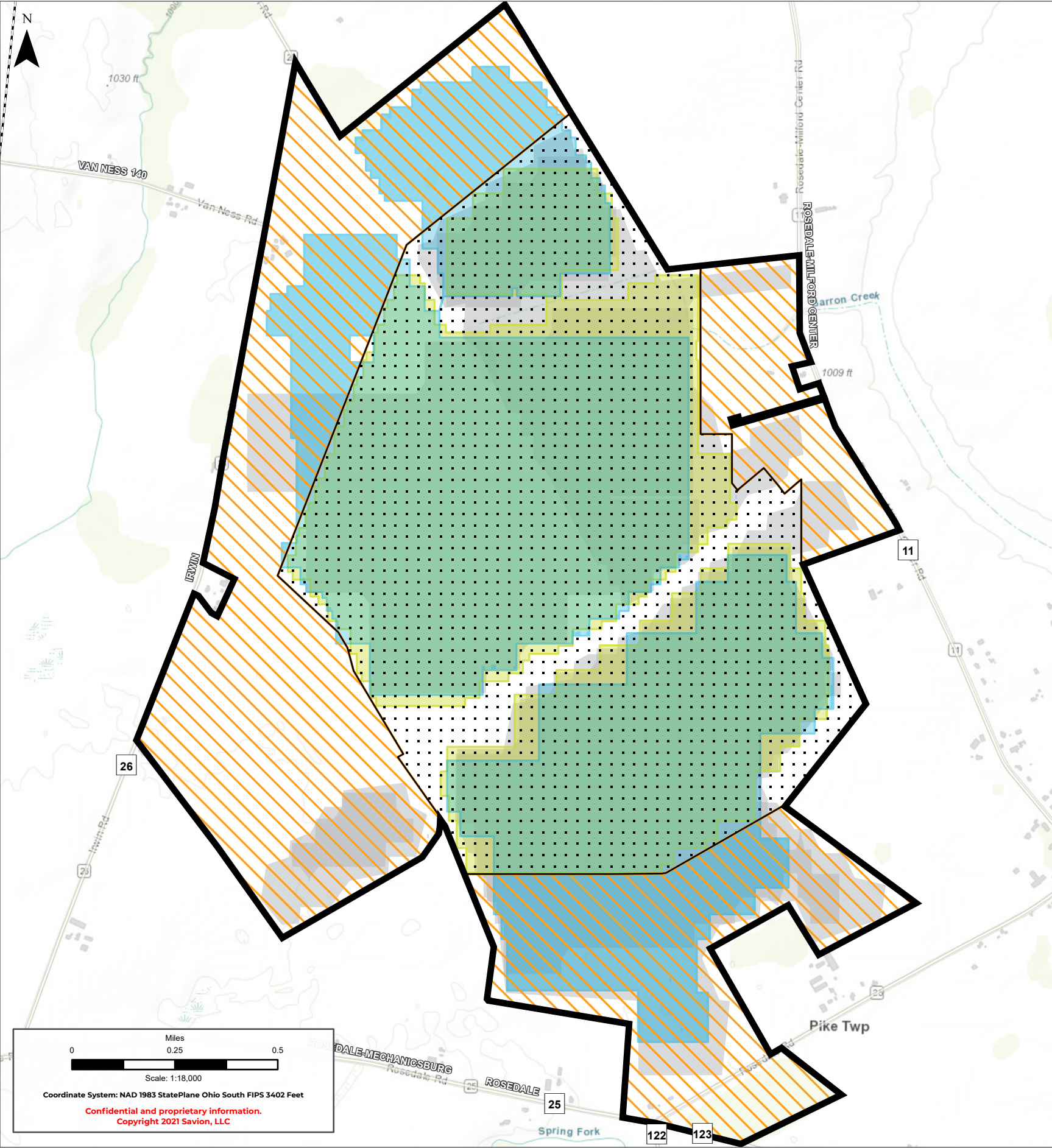
Respectfully submitted,







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# MADISON FIELDS SOLAR PROJECT



-  CERTIFICATED PROJECT AREA
  -  AMENDMENT AREA\*
  -  CERTIFICATED FACILITY FOOTPRINT
- PANEL LAYOUT OPTIONS**
-  LIKELY SOLUTION
  -  POSSIBLE DEPENDING ON MODULE SELECTION
  -  NOT SELECTED

\*AREA WHERE ADDITIONAL CULTURAL STUDIES WERE CONDUCTED

PROJECT: <b>MADISON FIELDS</b>	
DEVELOPER: <b>SAVION, LLC</b>	ENGINEER: <b>JOSHUA CRUMPLER</b>
DATE: <b>8/16/2021</b>	SCALE: <b>1 INCH : 1,500 FEET</b>
NOTES:	

SHEET:  
**OPSB - MADISON FIELDS AMENDMENT**

**This foregoing document was electronically filed with the Public Utilities**

**Commission of Ohio Docketing Information System on**

**8/20/2021 4:32:59 PM**

**in**

**Case No(s). 21-0508-EL-BGA**

Summary: Response to Second Data Request From Staff of the Ohio Power Siting Board  
electronically filed by Christine M.T. Pirik on behalf of Madison Fields Solar Project, LLC