

October 6, 2021

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

Re: Case No. 20-1679-EL-BGN - In the Matter of the Application of Pleasant Prairie Solar Energy LLC for a Certificate of Environmental Compatibility and Public Need to Construct a Solar-Powered Electric Generation Facility in Franklin County, Ohio.

Third Supplement to Application – Supplement to Application Exhibit E, Landscape, Vegetation Management, and Lighting Plan

Dear Ms. Troupe:

On February 19, 2021, as supplemented on April 7 and 21, 2021, Pleasant Prairie Solar Energy LLC, filed an application with the Ohio Power Siting Board for a Certificate of Environmental Compatibility and Public Need to construction a 250-megawatt, solar-powered electric generation facility in Franklin County, Ohio (“Application”). At this time, please find the attached supplement to Exhibit E to the Application filed on February 19, 2021, the Landscape, Vegetation Management, and Lighting Plan.

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

Respectfully submitted,

/s/ Christine M.T. Pirik

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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 6th day of October, 2021.

/s/ Christine M.T. Pirik

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**Pleasant Prairie Solar
Conceptual Landscape Plan – Planting Plan – Supplemental**

**Conceptual Landscape
Plan Layout**

**Solar Array
Area**

~1,900 Acres



Site preparation for all areas within the solar array area will include the removal of existing vegetation.

The short stature seed mix for the solar array areas includes additional Darby Plains Indicator species to maximize ecological consistency and pollinator benefits. The mix, which includes a nurse crop, will be applied across the entire solar array area at a rate of 49.5 lb/acre.

Nurse crop species will vary depending on the timing of the planting, but can include annual wheat, rye, and oats.

Low Profile Solar Array Seed Mix		
Scientific Name	Common Name	Lbs/acre
<i>Agrostis alba</i>	Redtop	0.1
<i>Carex spp.</i>	Upland sedge species	0.25
<i>Chamaecrista fasciculata</i>	Partridge pea	0.5
<i>Elymus canadensis</i>	Canada wild rye	4
<i>Bromus kalmii</i>	Prairie brome	0.25
<i>Festuca rubra (Canada)</i>	Red fescue	0.5
<i>Sporobolus heterolepis</i>	Prairie dropseed	0.15
<i>Schizachyrium scoparium</i>	Little bluestem	1.5
<i>Trifolium pratense</i>	Red clover	0.25
Nurse/Cover Crop		
<i>Avena sativa</i>	Seed oats	30.00
<i>Lolium multiflorum</i>	Annual rye	12.00

Deer
Fence

**Screening
Corridor/
Planting
Modules**

25' Wide
All areas outside of deer fencing
Module type varies depending on site-specific screening needs



Planting Modules – per the submitted Viewshed Plan

- **Module 1** - low screening needs (local roadways, low periodic viewership boundaries)
 - Native Darby Plains Indicator Prairie Mix (49.5 lbs/ac)
- **Module 2**- moderate screening needs (along major roadways)
 - Native Darby Plains Indicator Prairie Mix (49.5 lbs/ac)
 - 10 native shrubs/ 100 feet (ft)
- **Module 3**- high screening needs (near residences or other high visibility areas)
 - Native Darby Plains Indicator Prairie Mix (49.5 lbs/ac)
 - 1 outer row of native evergreen trees (10 stems/100 ft)
 - 1 inner row of native deciduous trees (10 stems/100 ft)
 - 10 native shrubs/ 100 feet interspersed

Darby Plains Indicator Prairie Mix		
Scientific Name	Common Name	Lbs/acre
<i>Allium cernuum</i>	Nodding wild onion	0.10
<i>Asclepias tuberosa</i>	Butterfly milkweed	0.10
<i>Astragalus canadensis</i>	Canadian milk vetch	0.15
<i>Carex spp.</i>	Upland sedge species	0.20
<i>Chamaecrista fasciculata</i>	Partridge pea	0.50
<i>Elymus canadensis</i>	Canada wild rye	4.00
<i>Elymus villosus</i>	Silky wild rye	0.25
<i>Eupatorium altissimum</i>	Tall boneset	0.10
<i>Monarda fistulosa</i>	Wild bergamot	0.10
<i>Penstemon digitalis</i>	Foxglove beardtongue	0.10
<i>Rudbeckia hirta</i>	Black-eyed Susan	0.20
<i>Schizachyrium scoparium</i>	Little bluestem	1.50
<i>Solidago nemoralis</i>	Oldfield goldenrod	0.05
<i>Symphotrichum laeve</i>	Smooth blue aster	0.05
<i>Verbena hastata</i>	Blue vervain	0.10
Cover Crop		
<i>Avena sativa</i>	Seed oats	30.00
<i>Lolium multiflorum</i>	Annual rye	12.00

Native Woody Species	
Shrubs	
Scientific Name	Common Name
<i>Ceanothus americanus</i>	New Jersey tea
<i>Corylus americana</i>	American hazelnut
<i>Cornus racemosa</i>	Gray dogwood
<i>Lindera benzoin</i>	Spicebush
<i>Rhus aromatica</i>	Fragrant sumac
<i>Rhus glabra</i>	Smooth sumac
<i>Rosa setigera</i>	Prairie rose
<i>Viburnum lentago</i>	Nannyberry
Trees	
<i>Acer saccharum</i>	Sugar maple
<i>Carya ovata</i>	Shagbark Hickory
<i>Celtis occidentalis</i>	Hackberry
<i>Cornus florida</i>	Flowering dogwood
<i>Diospyros virginiana</i>	Persimmon
<i>Juniperus virginiana</i>	Eastern red cedar
<i>Pinus strobus</i>	White pine
<i>Prunus americana</i>	Wild plum
<i>Quercus macrocarpa</i>	Bur oak
<i>Quercus rubra</i>	Red oak
<i>Quercus stellata</i>	Post oak
<i>Thuja occidentalis</i>	Northern white cedar
<i>Zanthoxylum americanum</i>	Prickly ash

**General
Setback Area**

Distance Varies depending on various agreement stipulations and neighbor agreements



Standard Setback Framework will be determined by the greater of:

- 400' from a residence
- 75' from a non-participating boundary line
- 50' from a municipal ROW

If the landowner maintains this area, planting and maintenance will be in accordance with local zoning at the landowner's obligation.

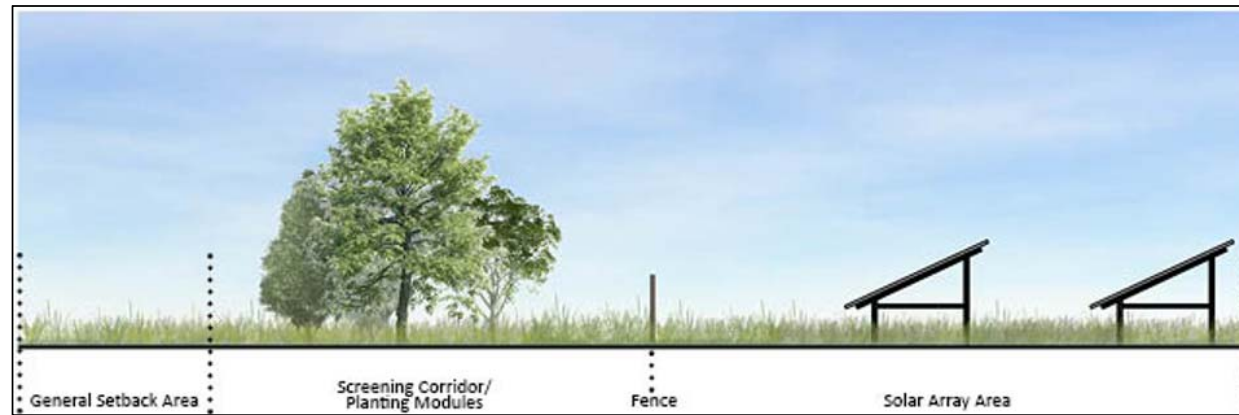
If setback area remains as part of the project, Pleasant Prairie Solar Energy, LLC shall:

Manage existing, undisturbed conditions to prevent and eliminate the spread of invasive weed species.

OR

Plant the Darby Plains Indicator Prairie mix described above across in the Setback Area.

**Pleasant Prairie Solar
Conceptual Landscape Plan – Operations & Maintenance Plan**



Proposed cross section of Pleasant Prairie Solar Layout, looking down the fence line

Vegetation Management (All Screening Modules, Solar Array Areas, and Setback Areas that remain in the Project):

The first three growing seasons after installation are typically referred to as the Establishment Phase, a period when vegetation management is more intensive to control weeds and ensure native vegetation establishes successfully.

In the first and second growing season after installation, mowing shall occur to prevent annual weeds from going to seed. Exact timing of the mowing will depend on biotic and abiotic factors. Herbicide application, by either spot application or broadcast application, shall be employed as needed to control perennial weeds. Reseeding of area with poor vegetative development will also be performed to ensure adequate stabilization and growth.

In the third growing season after installation, herbicide application shall be employed during the growing season to control weeds as needed. Spot-mowing shall be employed as needed, both to control woody material or other invasive species and to remove any vegetation interfering with the energy equipment.

Starting in the fourth growing season, vegetation management transitions to a long-term management phase intended to address new invasive species populations and ensure the vegetation does not interfere with energy generation. Site-wide mowing of the project site shall not occur between April 30th and July 15th, except in specific locations where mowing is necessary to address unusually elevated risks of fire, to prevent plants from shading solar panels, or to prevent invasive or noxious weeds from seeding during that period. Herbicide application shall be employed during the growing season to control weeds as needed.

Monitoring and Reporting (All Screening Modules, Solar Array Areas, and Setback Areas that remain in the Project) :

During the establishment phase of the project (the first three growing seasons after installation), inspections are to occur at least once a month during the growing season (mid-May to mid-October) to evaluate the vegetation on site and determine the necessary tasks to be completed.

Starting in the fourth year after installation, inspections of the site at least once per growing season are employed in order to identify problem weed areas and ensure the correct timing of treatment. Additionally, operations staff for the project will be trained to identify common problem weeds and report new sightings so that all maintenance events can function as monitoring/inspection events.

At the end of each year, the owner or owner's representative will review the work logs from the contractor and maintenance activities to produce a summary report. This report will catalog the work completed during the year and establish a 'punch list' of anticipated tasks to be completed in the following year. During Year 3, this will include an assessment of survivorship of the woody plantings within the screening corridor. If survivorship does not meet the specified requirement, replanting will be performed during a seasonally appropriate window.

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in

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Summary: Application - Third Supplement to Application – Supplement to Application Exhibit E, Landscape, Vegetation Management, and Lighting Plan electronically filed by Christine M. T. Pirik on behalf of PLEASANT PRAIRIE SOLAR ENERGY LLC