



**Conditional Use Permit Application Addendum – Village of Germantown, WI**  
**Lime Kiln Solar Project**

**Applicant:**  
**OneEnergy Development, LLC**  
**10 N. Livingston St., Suite 201**  
**Madison, WI 53703**

Contents

A. General Land Use Description..... 3

B. Description of Equipment ..... 3

C. Scale Map of the Project Site ..... 7

D. Landscaping..... 7

E. Wetland and Drainage Facilities ..... 7

F. Construction Schedule ..... 8

G. Operations & Vehicular Traffic Description ..... 8

H. Decommissioning and Removal..... 9

I. About OneEnergy..... 9

Exhibits

- Exhibit A – Site Plan
- Exhibit B – Operations Plan
- Exhibit C – Vegetation Management Plan
- Exhibit D – Project Profile
- Exhibit E – Decommissioning Plan
- Exhibit F – Survey Map
- Exhibit G – Glare Analysis
- Exhibit H – Conditional Use Standards, A-1 Zoning District
- Exhibit I – Property Legal Description



## Background

The Lime Kiln Solar Project (the “Project”) is a proposed 6 Megawatt solar generation facility. OneEnergy Development, LLC (“OneEnergy” or “the Applicant”) will develop, engineer, and construct the Project.

The Applicant will complete all environmental studies and surveys required to construct the Project, including the following: wetland delineation, Phase I Environmental Site Assessment, soil analysis, Wisconsin State Historical Preservation Office, and endangered resources review. The Project is not expected to impact natural resources.

The Applicant intends to start construction on the Project in the spring of 2026, pending receipt of all required permits and approvals and availability of key equipment for the project. Construction of the project is expected to take approximately 4-6 months. If construction starts in spring of 2026, the Project is expected to be completed by the end of 2026. If construction is delayed due to key equipment availability or other issues until spring of 2027, the project is expected to be constructed and operational by the end of 2027. Once complete, the Project will generate local power for local customers within We Energies’ service territory.



*Strobus Solar Project in Black River Falls, WI*

## A. General Land Use Description

### Location

The Project is located on approximately 35 acres of vacant land in the Village of Germantown known as parcels GTNV\_011987 to the south of Pioneer Road and west of Wasaukee Road. The land is part of a larger 57-acre parcel owned by Robert Overmier.

### Zoning

The proposed Project is situated on land that is zoned A-1 Agricultural Preservation District. Adjacent parcels are farmsteads and residential homes zoned A-1, A-2, RS-4, RS-3 and RS-1.

### Setbacks

OneEnergy commits to following all applicable Setbacks (please see Village of Germantown Ordinance 17.12(5) and 24.04)

- (a) Front Setback. 60 feet, minimum.
  - (b) Side Yards. 25 feet, minimum, except that bee hives and buildings used for keeping livestock and poultry, and all new buildings constructed after the effective date of this Code shall have yards of not less than 50 feet.
  - (c) Rear Yard. 50 feet, minimum.
- Setback from navigable waterway located to the north: 75'



## Description of Equipment

### Racking and Panels

The racking for the proposed project consists of driven steel I-Beams that are embedded approximately 10' into the ground, and extend approximately 5' above ground. A torque tube connects to the top of the I-Beams, and the panels are mounted to the top of the torque tube. All components of the racking system are made of steel.

Below is a depiction of the horizontal profile view of the panels and racking, which will run in rows from north to south throughout the site and will track the sun from east to west throughout the day. At their maximum angle in morning and evening, the panels are 50 degrees from horizontal facing either east (morning) or west (evening). At mid-day, the panels are flat. At their maximum tilt angle in morning and evening, the tallest part of the panel is ~8' above ground level.

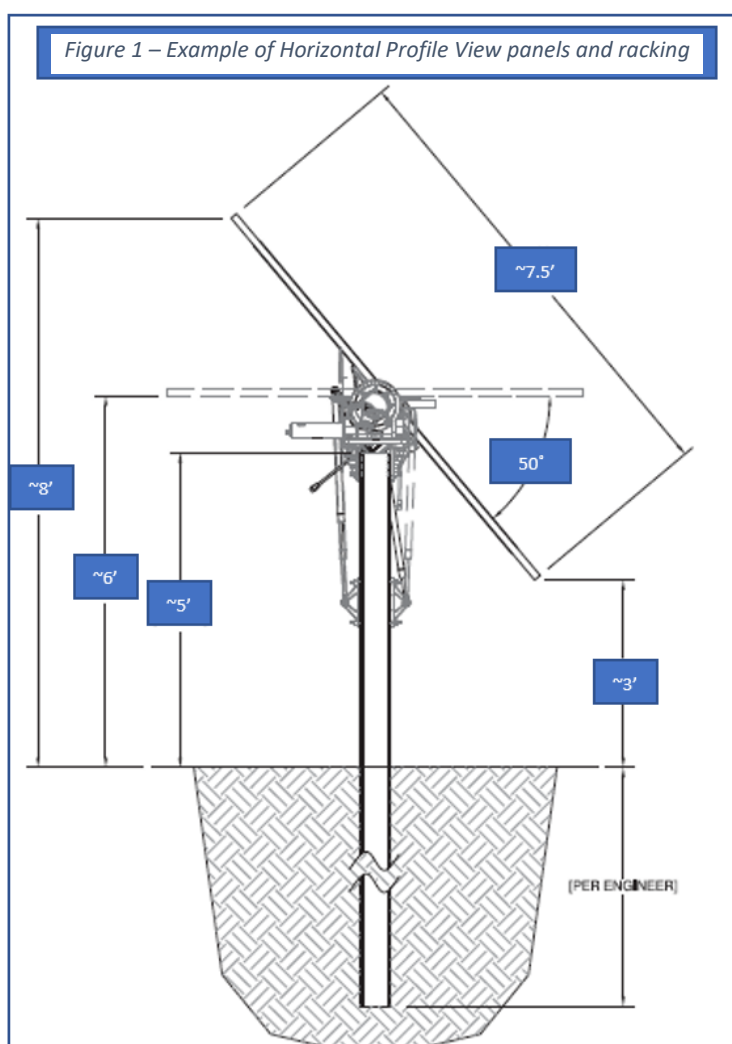


Image 2 - Strobus Solar Project in Merrillan, WI



Image 2 - Stockton Solar Project in Stockton, MN

### Solar Panels



Crystalline silicon solar PV panels, which represent ~95% of the installed solar panels in the US, consist primarily of tempered glass, silicon wafers, anodized aluminum, and wiring, all of which can be recovered and recycled at the end of their useful life. PV panels are extremely durable and built for long service life, as indicated by their 30-year warranty.

### Inverters, Transformer, Electrical Rack

The inverters, electrical panels and transformers will be located in the middle of the project as depicted in the site plan. Most equipment (inverters, electrical panel, etc.) will be mounted on driven pilings similar to the pilings that support the solar panels and racking with a maximum height of 8 feet. The transformers and disconnects will be mounted on a steel skid. These pieces of electrical equipment look similar to what you would see at a large load service like a grocery store.

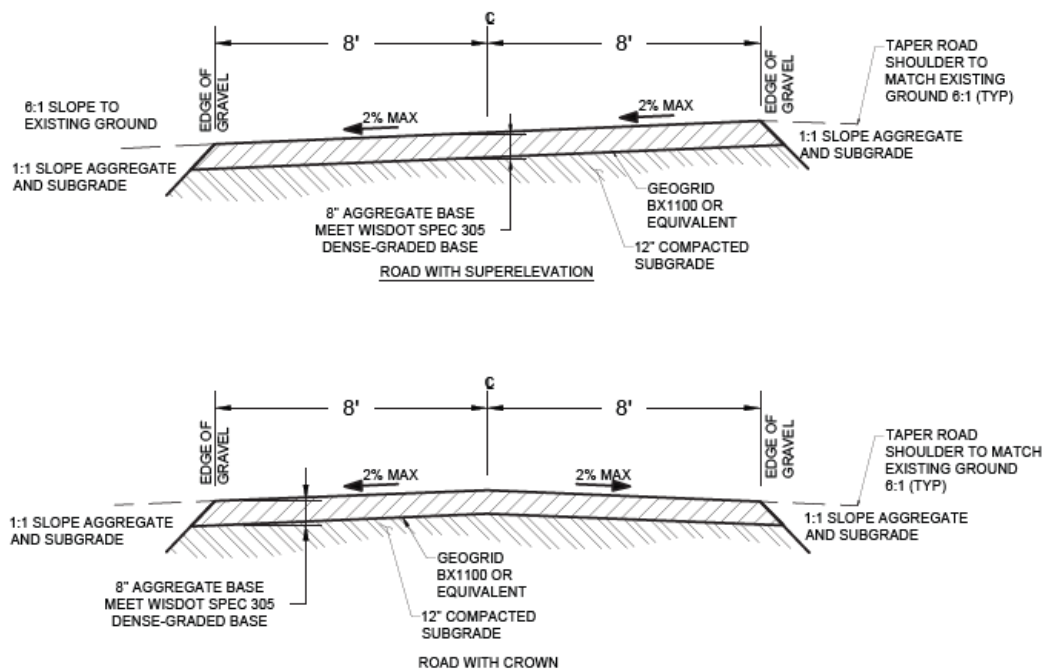


Image 3 – Inverter at Hodag Solar Project in Rhinelander, WI

### Access Drive

The access drive is proposed to be 16' wide and will come off of Pioneer Road. The access drive will be installed below depending on the slope. The access drive is installed at-grade to minimize changes to existing drainage patterns.

Figure 2 – Example of Access Drive Design Detail





## Fence

A fence will surround the solar project and will be an 8' tall agricultural-style fixed knot wildlife exclusion fence similar to what you might see around an orchard. The fence will have either wood or steel posts.



*Image 4 – Fence at Rushford Village Solar Project in Rushford Village, MN*



*Image 5 – Fence at Blue Prairie Solar Project in Black River Falls, WI*

## B. Scale Map of the Project Site

Please see **Exhibit A - Proposed Site Plan** for dimensions and location of proposed facilities. OneEnergy designs our projects using highly efficient bifacial solar panels and single-axis tracking racking. Using this equipment, a 6 Megawatt solar system can be located on approximately 40 acres of relatively flat topography and, most importantly, consistent elevations in the north-south direction.

The proposed project is expected to produce enough electricity for approximately 1,400 average Wisconsin residences, or almost 17% of the electricity needs of the Village of Germantown's approximately 8,280 households.

## C. Landscaping

The Project will be developed in a manner that complements the agricultural setting by using an agricultural-style fence, either a pasture for grazing sheep or a pollinator seed mix to attract bees and birds. Topsoil integrity will be preserved throughout construction by pre-seeding a cover crop prior to construction to minimize erosion and compaction, as well as by minimizing grading within the site. The permanent seeding will



take place after construction is complete, and will conform with Wisconsin DNR recommendations for solar projects. The final landscape plan will be developed in partnership with the Wisconsin DNR and in compliance with all applicable stormwater requirements. By planting dense perennial vegetation beneath and around the solar panels, the project provides ecosystem services associated with pollinator benefits, soil building, increased water infiltration and reduced stormwater runoff compared to regularly tilled farmland. Please see **Exhibit C –Vegetation Management Plan**.

## D. Wetland and Drainage Facilities

The project is designed to minimize soil disturbance and drainage alterations as much as possible. OneEnergy anticipates limited ground disturbance for the installation of the solar array and will ensure all grading is done in compliance with recommended best practices for stormwater and sediment erosion control. Because the project will occupy more than one acre, OneEnergy will be required to comply with the Wisconsin Department of Natural Resources NPDES Construction General Permit, which has the following requirements:

- Implement Best Management Practices to control sedimentation during construction, i.e. silt fencing, fiber logs, temporary stabilization, etc.
- Submittal of a Water Resource Application for Project Permits (WRAPP)
- Develop a Stormwater Management Plan approved by the Wisconsin DNR prior to commencement of construction



Sedimentation will be controlled from leaving the project area after construction by changing the land use of the project area from cultivated agricultural land to nearly 100% vegetated ground cover. The pollinator meadow growing beneath and around the solar panels acts as a vegetative buffer that covers ~95% of the site. Runoff from the access roads and gravel pads will travel through the vegetative cover prior to leaving the project area. Water that runs off panels into the proposed dense pollinator planting below will act as a natural vegetative buffer which will increase infiltration and act as erosion control to help the site meet required standards.

OneEnergy solicited records from the landowner on any known drain tile on the property, reviewed aerial photographs available on Google Earth, and studied the Project Area for evidence of drain tile. Based on all available information, there is not expected to be drain tile within the project area

### E. Construction Schedule

OneEnergy's goal is to finalize engineering in the winter of 2025-2026, to enable purchasing of long-lead equipment in early 2025 and construction during the months of May to November 2026. If construction is delayed due to key equipment availability or other issues until spring of 2026, the project is expected to be constructed and operational by the end of 2026.

A project of this size typically takes 4-6 months to construct. The Project is intended to start construction in the summer of 2026 and be complete by the end of 2026. A tentative construction schedule is as follows:

Civil Work and Fencing Install	5/1/2026	5/31/2026
Pile Installation	6/1/2026	7/1/2026
Racking and Module Installation	7/1/2026	9/1/2026
Wiring and Transformer Installation	9/1/2026	10/15/2026
Pollinator Seeding and Revegetation	10/15/2026	11/1/2026
Target In-service Date	11/1/2026	

### F. Operations & Vehicular Traffic Description

During operation, the Facility will be an unmanned plant that will operate through local and remote control/monitoring. Please see **Exhibit B –Operations Plan**. During construction, we anticipate that there will be between 5 and 30 construction workers on-site for the 6-month period (May-November) during which the bulk of construction will take place. No lighting will be used on site during construction or operations of the project. Adequate provision for parking of such construction staff has been included in the design of the laydown area within the site perimeter. Additionally, deliveries will be expected during business hours. It is not expected that more than 3-4 delivery trucks will arrive at the site per day during construction. Following construction, traffic will be very limited. We typically expect approximately one pickup truck to visit the site per month during the operational period for routine site maintenance and mowing.





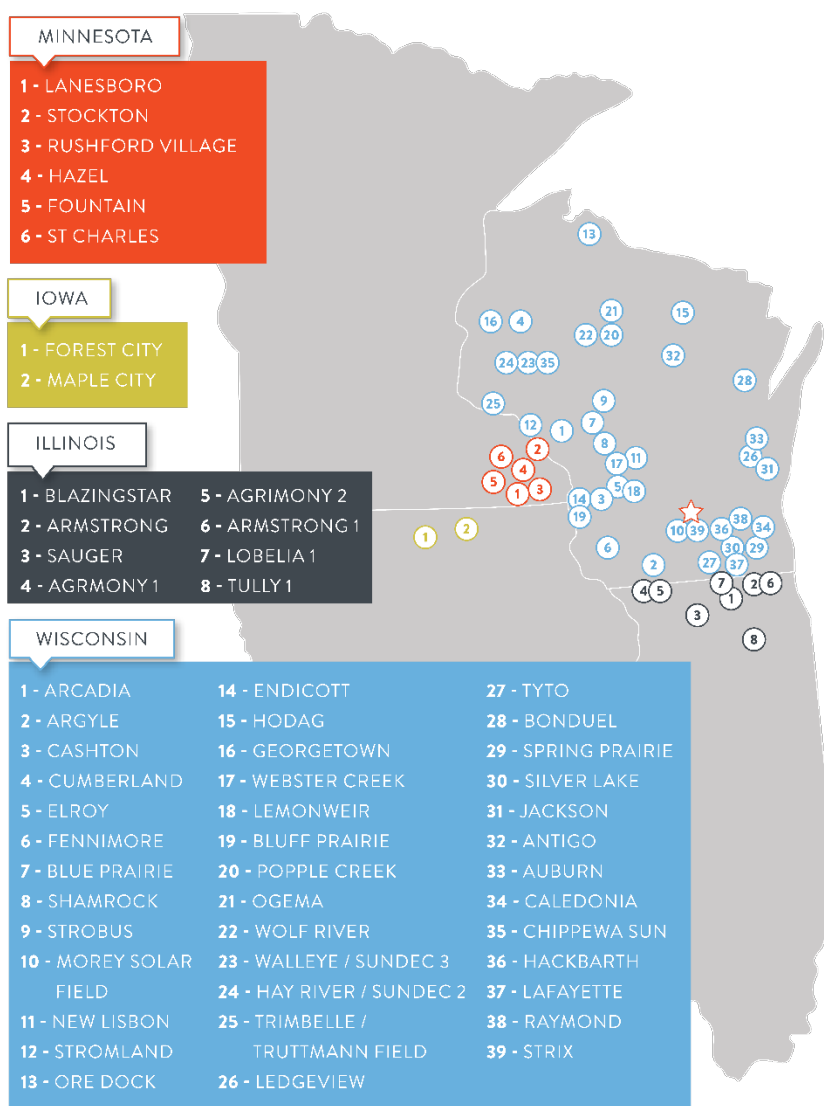
## G. Decommissioning and Removal

OneEnergy has committed through its lease agreement with the landowner to remove the system at the end of the project life, including provisions to ensure that there is adequate financial security set aside to perform such decommissioning. When the Project is decommissioned, all infrastructure will be removed, and the site will be restored to predevelopment conditions for continued agricultural use with rested and restored soils. Please see **Exhibit E – Decommissioning Plan**.

## H. About OneEnergy

OneEnergy is a developer of community-scale solar projects in Wisconsin, focusing on projects that interconnect with the distribution grid and serve local loads. Our team, based in Madison, consists of developers, engineers, construction managers, legal, finance, and accounting professionals. Over the last 6 years, we have completed 55 projects in the Midwest, 39 of which are in Wisconsin, including:

- A series of four 7.5 Megawatt projects for WE Energies located in Kenosha, Washington, Walworth and Shawano Counties in 2023.
- A portfolio of 10 projects for rural electric cooperatives in Western Wisconsin in 2023.
- A series of 5-6 Megawatt projects for WE Energies and Wisconsin Public Service located in Langlade, Fond du Lac, Racine, and Walworth Counties in 2024.



☆ Regional Office Madison, WI

ONEENERGY RENEWABLES

Figure 3 – OneEnergy Midwest Solar Projects

