



SUNVEST

SOLAR LLC



Dane County Solar, LLC
20 MW AC Solar Facility
Town of Cottage Grove, Dane County, WI

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Project Information

- Landowner: Dane County
- Applicant: Dane County Solar, LLC
 - c/o SunVest Solar, LLC
- Location: North and East of 3087 Lud's Lane
- Property ID Numbers: 018-0711-193-9350-0, 018-0711-193-9720-2, 018-0711-302-8000-2, 018-0711-302-8500-7
- Parcel Size: ~ 178 acres
- Project Size: ~ 109 Acres (inside the fence)
- Current Zoning: RM-8, HC, AT-35 and FP-35
- Current Land Use: Agricultural
- Requesting a Conditional Use Permit

About SunVest Solar

Company Overview

- Founded in 2009 and headquartered in Pewaukee, WI
- Complete solar development platform specializing in the marketing, sale, and financing of solar projects
- Recognized solar leader and ranked in the top 10 Solar Developers Nationwide by Solar Power World magazine in 2021
- A+ rating from Better Business Bureau
- Proven track record of successfully developing commercial, community, residential, and non-profit solar projects

850+ projects installed across 12 states

Complete team with 30+ solar professionals

Provider of development & EPC contractor services

Leading experience in Midwestern region

#1 Solar Developer in Wisconsin for 2016-2021

Notable Partners



Wisconsin's #1 Solar Developer for 6 Years In-a-Row

Developed Wisconsin's Largest Rooftop Array
Over 12 Years of Solar Experience
Over 1,000 Solar Systems Installed

Part of a Family of Companies Including 5 Sister Companies
Nationwide | Coast-to-Coast
Commercial | Non-Profit | Community | Utilities



Minimal Impacts

- Minimal to no glare. Panels are designed to absorb sunlight, not reflect it.
- Solar Gardens are quiet during the day and silent at night.
- Minimal moving parts.
- Panels are only 7'to 8' tall.
- Little traffic is generated. The site will be visited periodically for routine inspection.
- Solar Gardens are clean, safe and emit no emissions.
- Solar panels require very little maintenance. Panels are inspected twice a year for maintenance and cleaning.
- No buildings on site.
- No lighting internal or external to the property.

Minimal Impacts

- After construction, ground is seeded and maintained to control erosion and weeds. Vegetation will be maintained bi-annually or on an “as needed” basis.
- 20 MW of solar power can provide power for ~3000 homes.
- Panels are warrantied for a 20 to 25-years. With approx. 80% of their useful capacity still available.
- Operations and Maintenance done remotely via wireless connection.

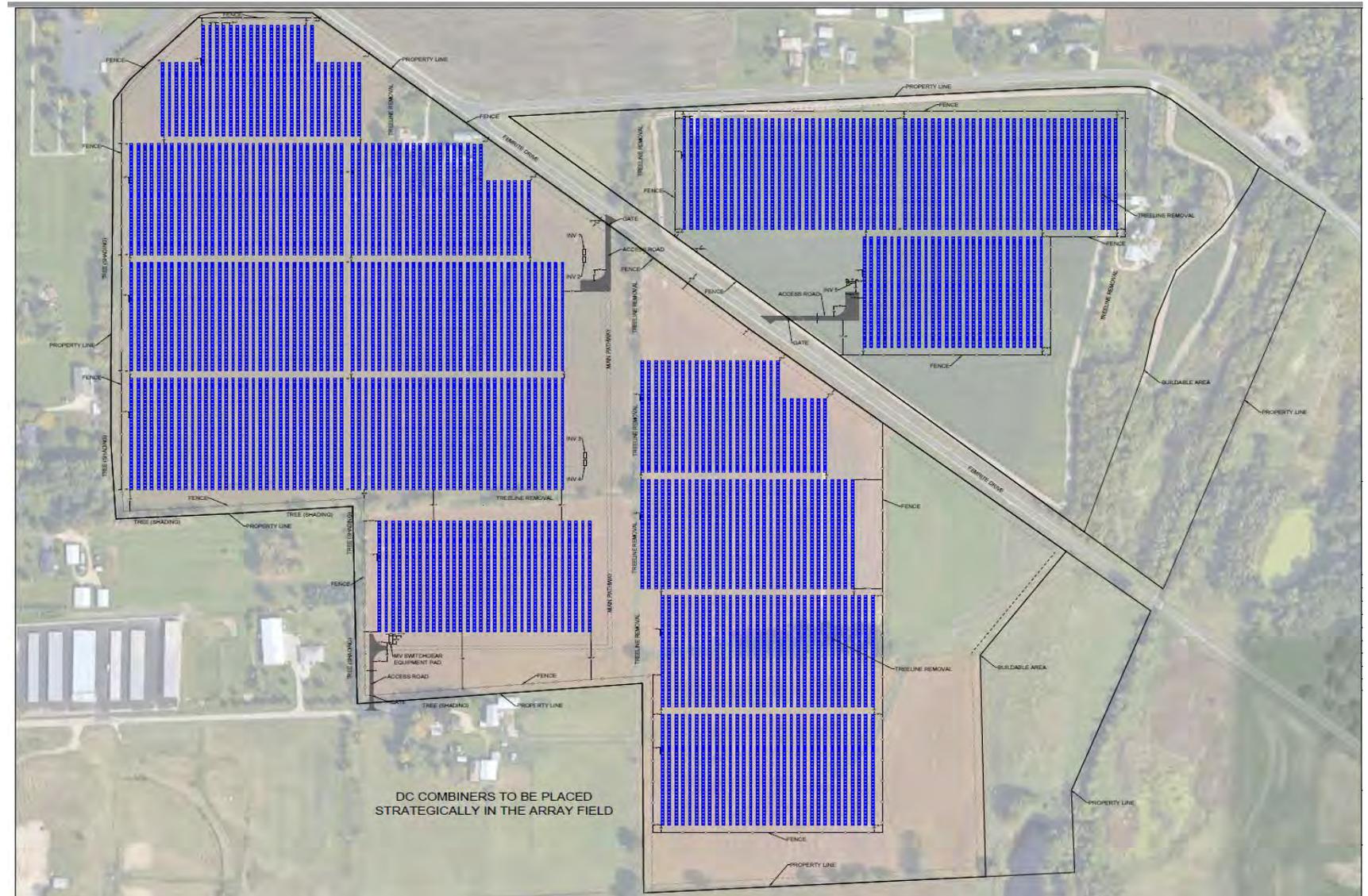


Project Details

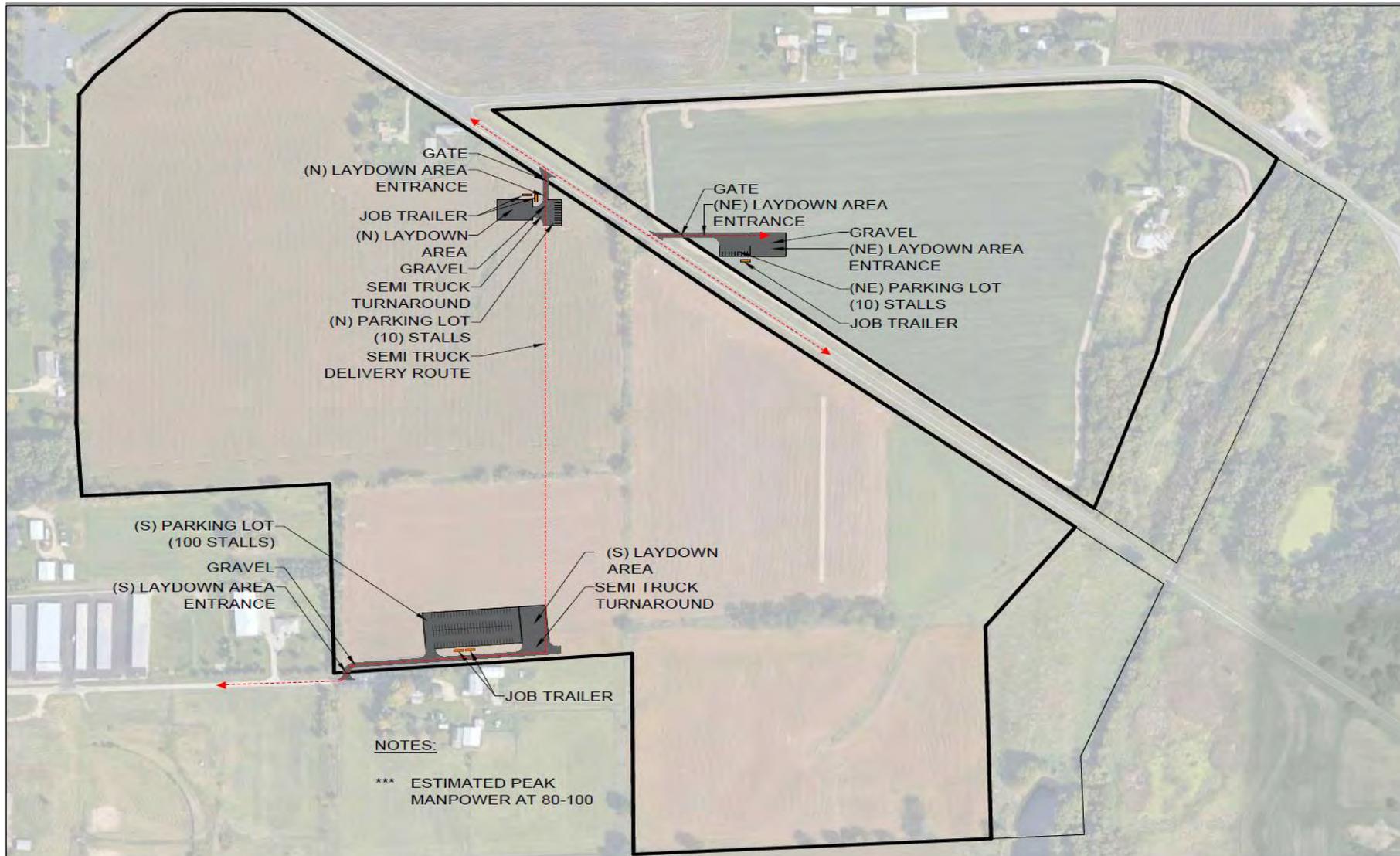


Dane County Solar, LLC ~ Site Plan

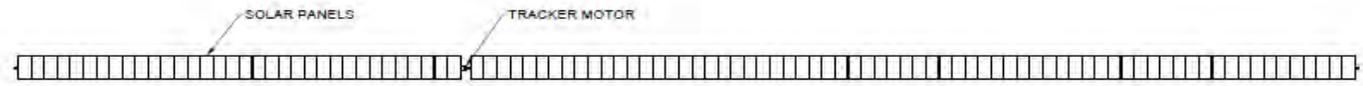
- Located on approximately 109 acres (inside the fence)
- Access drives from Femrite Drive and Lud's Lane into project to reach equipment pad just inside fence.
- Parking for 2 vehicles inside the fence at each access location.
- Panels will be single axis trackers that move with the sun.
- Proposing a 7' fence for security purposes around perimeter of project



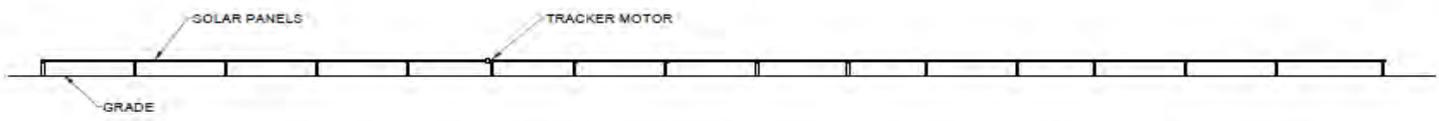
Dane County Solar, LLC ~ Staging Area Plan



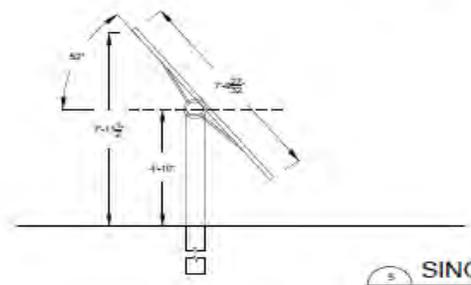
Dane County Solar, LLC ~ Single Axis Tracker



2 SINGLE AXIS TRACKER TOP DOWN VIEW
PV-1.00 NOT TO SCALE

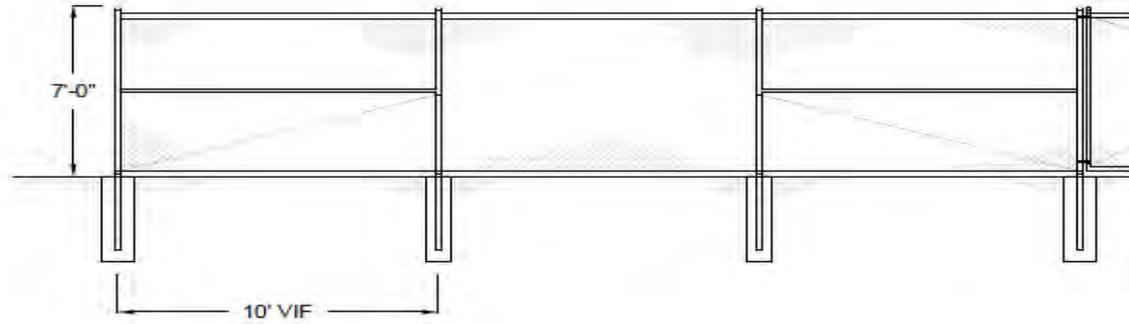


4 SINGLE AXIS TRACKER EAST- WEST ELEVATION
PV-1.00 NOT TO SCALE

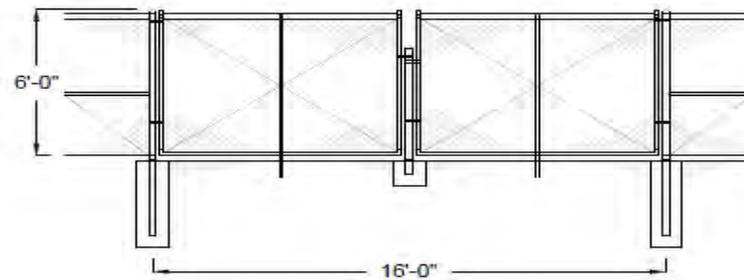


5 SINGLE AXIS TRACKER NORTH-SOUTH ELEVATION
PV-1.00 NOT TO SCALE

Dane County Solar, LLC ~ Single Axis Tracker



1 FENCE DETAIL TYP. NOT TO SCALE



2 ACCESS GATE DETAIL TYP. NOT TO SCALE

Dane County Solar, LLC ~ Installation

- The racking system, which holds the panels in place, are supported by steel “I-beam” pilings driven into the ground. Using steel I-beams minimizes the amount of ground disturbance and generally does not require the use of concrete.
- I-beams driven approximately 8-15 feet into the ground.
- Manual-intensive labor for racking system attached to I-beams.
- Rows for tracker solar installations run north/south.
- Solar panels will face east/west
- Spacing between rows is 16-20 feet depending on the site and surrounding characteristics.



Dane County Solar, LLC ~ Installation



Dane County Solar, LLC ~ Pollinator Seed Mix

LOW PROFILE PRAIRIE SEED MIX

<u>Botanical Name</u>	<u>Common Name</u>	<u>PLS Ounces/Acre</u>
Permanent Grasses:		
<i>Bouteloua curtipendula</i>	Side Oats Grama	192.00
<i>Schizachyrium scoparium</i>	Little Bluestem	95.00
<i>Sporobolus heterolepis</i>	Prairie Dropseed	16.00
Total		303.00
Temporary Cover:		
<i>Avena sativa</i>	Common Oat	360.00
<i>Lolium multiflorum</i>	Annual Rye	120.00
Total		480.00
Forbs:		
<i>Allium cernuum</i>	Nodding Wild Onion	3.00
<i>Amorpha canescens</i>	Lead Plant	1.00
<i>Aquilegia canadensis</i>	Wild Columbine	2.00
<i>Asclepias tuberosa</i>	Butterfly Milkweed	8.00
<i>Astragalus canadensis</i>	Canadian Milk Vetch	1.00
<i>Baptisia lactea</i>	White Wild Indigo	4.00
<i>Chamaecrista fasciculata</i>	Partridge Pea	16.00
<i>Coreopsis palmata</i>	Prairie Coreopsis	4.00
<i>Dalea candidum</i>	White Prairie Clover	6.00
<i>Dalea purpurea</i>	Purple Prairie Clover	6.00
<i>Echinacea pallida</i>	Pale Purple Coneflower	16.00
<i>Kuhnia eupatoides</i>	False Bone-Set	3.00
<i>Lespedeza capitata</i>	Round-Head Bush Clover	4.00
<i>Liatris aspera</i>	Rough Blazing Star	4.00
<i>Potentilla arguta</i>	Prairie Cinquefoil	0.50
<i>Pycnanthemum virginianum</i>	Common Mountain Mint	0.50
<i>Rudbeckia hirta</i>	Black-Eyed Susan	10.00
<i>Silphium terebinthinaceum</i>	Prairie Dock	2.00
<i>Solidago juncea</i>	Early Goldenrod	0.50
<i>Solidago rigida</i>	Stiff Goldenrod	1.00
<i>Tradescantia ohioensis</i>	Common Spiderwort	5.00
<i>Verbena stricta</i>	Hoary Vervain	3.00
<i>Zizia aurea</i>	Golden Alexanders	5.00
Total		49.75

INSTALL LOW PROFILE PRAIRIE SEED MIX UNDER SOLAR ARRAYS AND WITHIN THE PROPERTY BOUNDARY



Questions/Comments/Discussion

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