



## ROOT RIVER SOLAR Project Overview

OneEnergy Renewables is in the process of developing a 6 MW solar project in the Village of Caledonia in Racine County, WI. The project is located west of County Road V and south of 6 ½ Mile Road (Please see site plan on reverse). OneEnergy Renewables will develop, design, and construct the solar project, and electricity from the project will serve local We Energies customers.

The project will occupy approximately 32 acres, and has an expected useful life of 30-50 years, providing clean, local renewable energy for years to come. At the height of construction, roughly 30 people will be employed on this project. *Solar installer* is one of the fastest growing jobs in the USA.

### SYSTEM STATISTICS

- 6 Megawatts
- ~32 acres
- ~12,000,000 kWh per year

### MAIN SYSTEM COMPONENTS

- Single-axis tracker (tracks the sun from east to west throughout the day)
- Bifacial solar panels
- Inverters
- Transformers

**12,000,000 kWh of electricity per year, equivalent to...**



**1,400**

AVERAGE WISCONSIN HOUSEHOLDS



**9,241**

TONS OF CO<sub>2</sub> AVOIDED, LIKE TAKING 1,600+ CARS OFF THE ROAD\*



**9,700**

ACRES OF U.S. FOREST CARBON SEQUESTRATION\*

# Sustainable Design and Construction

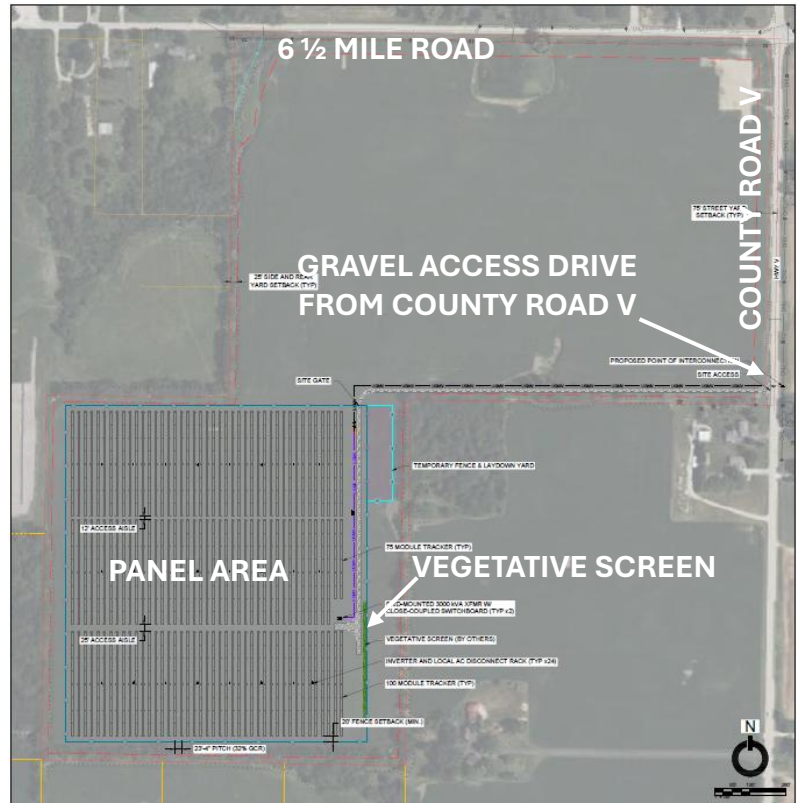


The area beneath and around the panels will be planted to a low-growing perennial pollinator mix. This increases water infiltration relative to conventional row-cropping. Water that flows off solar panels is safe for people and wildlife.

The project area will be fenced within an 8' tall deer-exclusion style fence, similar to what one might find around an orchard. The area surrounding the project will continue to be farmed.

When the project is decommissioned, all infrastructure will be removed, and the site restored to pre-development conditions for continued agricultural use with rested and restored soils.

## PROPOSED ROOT RIVER SOLAR PROJECT SITE PLAN



## Contact

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