**Real-Time Production**

Real-time production charts for Sunflower 1 and Sunflower II are online at www.scecnet.net, click on the yellow “Solar at SCEC” button.

**Dairyland Power Cooperative**

Dairyland Power Cooperative is a generation and transmission cooperative based in La Crosse, Wis. DPC provides the wholesale electrical requirements for 24 distribution cooperatives and 17 municipal utilities. These members, in turn, supply the energy needs of more than a half-million members in a four-state service area (Wisconsin, Minnesota, Iowa, Illinois). DPC’s generating resources include coal, natural gas, hydro, wind, solar and biogas. By 2027, DPC forecasts 21 percent of its generation will be from renewable resources.

SCEC members considering installing their own distributed generation system (solar, wind, etc.), should contact SCEC’s member services manager as soon as possible to ensure all guidelines and regulations are met:

scec@scecnet.net
715-796-7000
On May 24, 2017, the 2.34-MW (megawatt) Sunflower II solar array was energized. Sunflower II is one of 15 utility-scale solar arrays brought online in Dairyland Power Cooperative’s service territory in 2016-17. Sunflower II has the capacity to generate enough electricity to power 390 homes. Power generated at the site is sent through the Warren substation, located across the road from the array near 70th Ave. & 140th St., in the Town of Warren. SCEC has secured a 25-year fixed price power purchase agreement for 7 percent of the array’s output (144 kW).

DEVELOPER:
SoCore Energy (Chicago)
SoCoreEnergy.com

GENERAL CONTRACTOR:
Faith Technologies (Menasha, Wis.)
www.FaithTechnologies.com

POWER PURCHASER:
Dairyland Power Cooperative (La Crosse, Wis.)
www.DairylandPower.com

SERVICE TERRITORY:
St. Croix Electric Cooperative (Hammond, Wis.)
www.scecnet.net

On July 8, 2014, Sunflower 1 was energized. Among the first member-supported solar gardens in the state of Wisconsin, Sunflower 1 was funded by one-time subscriptions from 120 SCEC members for the 206, 500-watt units. Subscribing members receive monthly bill credits for their portion (one to five units) of the 103-kilowatt (kW) array’s output, which is enough to power more than 10 residential homes on the SCEC system, annually.

Sunflower 1 was an early project in NRCO’s sCOOP initiative (www.NRCO.coop).

In the photos below, Sunflower 1 is on display on a sunny morning. The 103-kW array is located at the SCEC office in Hammond. Below and to the right, subscribers and guests gathered for the official dedication on July 19, 2014.

BY THE NUMBERS
• 9,360 panels
• 310 watts per panel (one panel: 3’ x 6’)
• 65 Chint Power Systems (CPS) inverters (36 kW, each)
• 131 NEXTracker single-axis trackers
• 1,433 driven piles
• 20-acre site
• Land owned by St. Croix Electric Cooperative; leased to SoCore Energy for 25 years.
• 16-acre pollinator meadow

Sunflower 1

DEVELOPER:
SoCore Energy (Chicago)
SoCoreEnergy.com

GENERAL CONTRACTOR:
Faith Technologies (Menasha, Wis.)
www.FaithTechnologies.com

POWER PURCHASER:
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www.DairylandPower.com

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