



SUNFLOWER II FACT SHEET

DEVELOPER: SoCore Energy | Chicago

www.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.scecn.net

- One of 15 Dairyland sites that have been or will be constructed since mid-2016, totaling 20 MW of solar generation. This is IN ADDITION TO:
 - Sites totaling 1.4 MW in Oronoco, Minn., Westby, Wis., and Galena, Ill.;
 - 19 member cooperative community solar installations totaling 4 MW that are operational or under construction;
 - More than 700 individual member-owned solar arrays;
 - All located within Dairyland's service territory, encompassing 62 counties in four states.
- Sunflower II is 2.34 megawatts AC (alternating current) | 2.90 MW DC (direct current).
 - When you pay your electric bill, your electric use is measured in kilowatt-hours.
 - 1,000 kW equal 1 MW
 - Expected to produce enough electricity to power more than 300 homes.
- SoCore Energy is the developer and hired Faith Technologies to construct the array. SoCore owns the array and is responsible for operation and maintenance. Dairyland will purchase 93 percent of the power generated by the array; SCEC will purchase the remaining 7 percent.
- Pile driving began the week of Sept. 26, 2016.
- Sunflower II should begin producing power in mid-December 2016.
- Sunflower II is 26 times larger than Sunflower 1.
 - Sunflower 1 is a member-supported 103-kW solar array located at St. Croix Electric Cooperative's headquarters in Hammond.
- Sunflower II will use tracking technology to track the sun's path across the sky and maximize production.
- **By the Numbers:**
 - 9,360 panels
 - 310 watts per panel; each panel is 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
 - Seeding will take place after construction is complete.
 - Prairie Restorations, Inc., will complete the work.

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(continued from pg. 1):

- More than 1,000 St. Croix Electric Cooperative members served by the Warren substation will benefit from Sunflower II's production, including local businesses near Exit 10: Pilot Flying J, County Materials Corporation, U.S. Minerals, Habitat for Humanity ReStore, Dollar General.
- In 2014, SCEC, Dairyland and two other DPC cooperatives (Barron Electric & Vernon Electric) were named to the RENEW Wisconsin Honor Roll for their member-supported community solar arrays.
- On Jan. 19, 2017, Dairyland CEO Barbara Nick will be a keynote speaker at RENEW Wisconsin's 6th Annual Renewable Energy Policy Summit in Madison, Wis.

SoCore Energy

SoCore Energy (www.SoCoreEnergy.com) offers companies, electric cooperatives and communities solar solutions that provide energy savings and carbon reduction. SoCore is a subsidiary of Edison International. SoCore works together with the National Rural Telecommunications Cooperative (NRTC) to support the development of solar for rural electric cooperatives and their members.

Faith Technologies

Faith Technologies, Inc. (www.faithtechnologies.com) is an employee-owned, full-service electrical, engineering and technology systems contractor with locations operating in six states. With more than 2,000 employees, Faith Technologies is one of the largest, privately-held electrical contractors in the United States. Established in 1972, the organization recently completed a nationwide transition by converting all of its Town & County Electric and SKC Electric locations to one brand, Faith Technologies.

Dairyland Power Cooperative

With headquarters in La Crosse, Wis., Dairyland (www.dairylandpower.com) provides wholesale electricity to 25 member distribution cooperatives and 17 municipal utilities. A Touchstone Energy Cooperative, Dairyland's service area encompasses 62 counties in four states (Wisconsin, Minnesota, Iowa and Illinois). Dairyland's resources include coal, natural gas, hydro, solar, wind and landfill gas.

St. Croix Electric Cooperative

St. Croix Electric Cooperative (SCEC) was formed on Nov. 5, 1937, as a result of five farmers determined to bring electricity to rural St. Croix County, Wis. Nearly two years later – May 24, 1939 – electricity was delivered to the first account. Today, the Cooperative operates more than 1,765 miles of distribution lines that serve 11,200 member accounts. SCEC strives to help members understand the Cooperative Difference by positively impacting local communities through Commitment to Community grants, scholarships, and offering members rebates and solutions to conserve and use energy wisely. Information is shared with members via *Energy Lifestyles Magazine*, which is published 11 times per year; online at www.scecn.net; and via social media: @StCroixElecCoop (Twitter) and St. Croix County Energizer (Facebook).

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