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Arch Electric Installs Largest Privately Owned Solar System in State History

Growing company continues to advance renewables across Wisconsin

[Plymouth, Wis.] – Arch Electric is proud to announce that it completed the largest privately owned solar array in Wisconsin history. The system – a 1.852 megawatt (MW) solar field at Green Valley Dairy in Krakow – was officially put into service on September 3. The project is a unique collaboration between Arch Electric, Green Valley Dairy, and Outagamie Clean Energy Partners.

"I'm proud that Arch Electric successfully installed the largest privately owned solar array in Wisconsin history. We have a highly skilled team with the ability to execute projects of all sizes," said **Arch Electric president Ed Zinthefer**. "Thanks to Green Valley Dairy and Outagamie Clean Energy Partners for making this important clean energy installation a reality."

"Sustainability isn't just a goal for our family farm, it's something we live out each day," said **John Jacobs of Green Valley Dairy**. "We're happy to work with Arch Electric on this solar installation as we continue looking for ways to increase sustainability and live responsibly while delivering for our customers."

The Arch-installed system consists of 20 rows of solar panels in a 7.5 acre parcel of land owned by Green Valley Dairy. There are 4,940 panels mounted on metal racking that are integrated with 10 solar inverters, which will produce approximately 2.234 MW of clean energy annually. The solar energy generated annually will offset carbon dioxide emissions equivalent to more than 1,740,000 tons – or the equivalent of either 8.7 railcars worth of coal burned or over 155,000 gallons of diesel fuel burned. The reduction in greenhouse gases will be equal to over 340 cars driven in one year, or over 3.9 million miles driven by an average passenger vehicle.[i]

Green Valley Dairy, which originated in 2000, sits on 86 acres and has continuously been a pioneer in adopting new technology, including the installation of a state-of-the-art robotic milking parlor in 2018. Outagamie Clean Energy Partners (OCEP), a Wisconsin based Renewable Natural Gas (RNG) developer, has partnered with Green Valley Dairy to capture methane from their existing anaerobic digesters and clean the gas into pipeline quality RNG that will be used in the transportation industry. The solar array will be used to power portions of the dairy including the newly installed Biogas Upgrading Plant (BUP).

"The Jacobs' willingness to invest in clean energy is a testament to their commitment to the community and the state of Wisconsin. Their vision will serve as an example of how Wisconsin dairy is leading the way when it comes to balancing responsible farm growth and the environment," said **Chris Lenzendorf, Vice President of Business Development at Outagamie Clean Energy Partners**.

An official ribbon cutting ceremony will be held in the time ahead, and additional details will follow.

About Arch Electric, Inc.

Arch Electric, Inc. – recently named a 2020 Top Solar Contractor – is a Sheboygan County, Wisconsin-based electrical company specializing in solar and related fields such as energy storage, EV charging, light utility solar, and commercial solar along with operations and maintenance services since 2003. Today, Arch is considered the largest vertical provider of solar in Wisconsin. Our 35 MW portfolio includes residential and commercial rooftop systems, carports, pole mounts, trackers, large and small ground mounts from 10 KW to 50 MW and up for utilities, and unique flat wall solar systems. Our mission is to educate, inspire, and empower current and future generations to choose a clean sustainable form of energy.

Connect with Arch Electric online today at ArchElec.com, Facebook, Twitter, and LinkedIn.

Solar Installation at Green Valley Dairy in Krakow, Wisconsin

7.5 acres

4,940 – 375W Solar Panels =	1,852,500 Watts (DC)
10 – 125,000 Watt Inverters =	1,250,000 Watts (AC)
Annual Energy Production =	2,234,000 kWh (AC)







[i] https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator

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