harvest solar

EPPLE FAMILY FARMS LLC

FAMILY FARM
WATERVILET, MI | CASE STUDY

Epple Family Farms has successfully implemented a 77.60kW roof-mounted solar array. This initiative has resulted in $10,545 of annual cost savings.

AT A GLANCE

CHALLENGES

- Capital Investment
- Utility policies
- Energy Usage Patterns
- Structural Hurdles
- Electrical Service/Sizing

BENEFITS

- Available Roof Space
- Significant reduction of electric bill
- Long-Term Sustainability
- Hedge operating costs against rising electric rates
- Tax Incentives

"The solar project has impacted our orchards from a cost saving stand point. As long as the sun's out, we're generating power, which then lowers our electric bill. My overall experience with Harvest Solar was they were easy to work with, got the job done when they said they were gonna get it done, and I have nothing but compliments for them."

MARK & LISA EPPLE
Owners of Epple Family Farms LLC

Scan the QR Code to learn more about Epple Family Farm's Solar Success Story!

OBJECTIVES

As a third-generation family farm, Epple Family Farms has built its reputation on delivering apples and peaches of the highest quality. Behind the scenes, energy-intensive cold storage systems play a vital role in preserving peak freshness from orchard to table. Recognizing the need for a more sustainable solution, the family turned to renewable energy. Their mission to provide fresh, flavorful produce while caring for their land and community mirrors our own values, making this collaboration especially meaningful.

SOLUTIONS

Preserving freshness while embracing sustainability was the goal at Epple Family Farms. To achieve it, we worked together to install a 77.60 kW solar array on their cold storage facility. The system was designed to balance production throughout the day, with the East array generating more power in the morning and the West array providing greater output in the afternoon. This approach ensures that in the heat of summer—when cooling needs are greatest—the system delivers maximum performance. With solar expert Jake Schuster leading the way and strong collaboration driving success, the project came together seamlessly. For decades ahead, renewable energy will support the farm's mission, backed by our dedicated service team.

FAST FORWARD

Estimated kWh Generation
This solar array has a nameplate capacity of 77.60kWdc and is estimated to generate approximately 87,434kWh per year.

Estimated Savings
The projected savings on utility bills over 30 years from this solar array amount to $644,035.

Estimated CO2 Offset
The solar array's estimated CO2 offset is equal to the emissions from burning 1,880,589 pounds of coal.

Estimated Tax Incentives, Rebates, etc.
Epple Family Farms has factored in a 30% Federal Investment Tax Credit for this project to reduce the ROI to 6.8 years.