



RIVERIDGE CIDER CO.

FOOD & BEVERAGE MANUFACTURER
GRANT, MI | CASE STUDY

Riveridge has successfully implemented a 414kW roof-mounted solar array. This initiative has resulted in \$45,078 of annual cost savings.

AT A GLANCE

CHALLENGES

- Upfront Investment
- Coordinating with Electrical Infrastructure
- Seasonal Production Variations

BENEFITS

- Maximize Daytime Energy Usage
- Long-Term Energy Solution
- Protection Against Rising Utility Rates
- Lower Operating Costs
- Supports Business Growth

"Working with Harvest Solar, from the beginning, the process was pretty smooth. I think they were really good at communicating what was going on with us. Anything we can help keep a more of a consistent cost, being the electric, definitely helps."

JUSTIN FINKLER

VP of Agribusiness of Riveridge Cider Co.



Scan the QR Code to learn more about Riveridge's Solar Success Story!

OBJECTIVES

Riveridge Cider Co. has earned its reputation as one of Michigan's largest apple cider manufacturers through its fully integrated farm to bottle business model. As part of its continued growth, the company constructed a new production facility with a south facing metal standing seam roof, making it an excellent candidate for rooftop solar. Combined with the facility's high and consistent energy demands from refrigeration, processing, bottling, packaging, and storage, solar was a natural fit. Because much of the facility's electricity is used during daylight production hours, Riveridge is able to maximize on site solar generation and long term energy savings.

SOLUTIONS

By investing in solar, Riveridge took a proactive approach to managing rising utility costs while creating long term value for the business. Rather than allowing increasing energy expenses to impact future growth, the company implemented a solution that provides greater financial predictability and helps stabilize one of their largest operating expenses. The annual energy savings generated from their solar investment can be redirected back into the business to support continued improvements, expansion, and innovation. By taking control of their energy costs, Riveridge is able to focus on what they do best: producing high quality cider while continuing to grow as a leader in the industry. This investment not only supports their current operations but also strengthens the long term future of the company.

FAST FORWARD

Estimated kWh Generation

This solar array has a nameplate capacity of 414kWdc and is estimated to generate approximately 497,512 kWh per year.

Estimated Savings

The projected savings on utility bills over 30 years from this solar array amount to over \$2.4 Million.

Estimated CO2 Offset

The solar array's estimated CO2 offset is equal to the emissions from burning 23,169 barrels of oil annually.

Estimated Financial Outlook

Riveridge Cider Co. has factored in a 40% Federal Investment Tax Credit for this project to reduce the estimated ROI to approximately 5 years.