



EVANSVILLE COLD STORAGE

FROZEN FOOD STORAGE FACILITY EVANSVILLE, IN | CASE STUDY

Evansville Cold Storage has successfully implemented a 1MW ground-mounted solar array. The facility has been running on solar since 2020, saving around \$150k each year.

AT A GLANCE

CHALLENGES

- Initial Investment
- Zoning Approval
- Utility Upgrades
- Weather & Location Variability

BENEFITS

- Hedge Operating Costs Against Rising Electric Rates
- Tax Incentives
- High Energy Demand Matches Solar Production
- Favorable Utility Policies
- Strong ROI

"We're busy running our business, we're not looking for something that we have to go and maintain, and solar checks those boxes for us. When we installed this solar system from Harvest, our electric bill was \$12,000 or \$13,000 and today it's less than around \$2,000. So big, big savings for us. It allows us to provide a service to our customers at a more value-oriented rate."

DYLAN REXING

President/CEO of Evansville Cold Storage



Scan the QR Code to learn more about Evansville Cold Storage's Solar Success Story!

OBJECTIVES

In the cold storage industry, preserving the quality and integrity of temperature-sensitive products is the top priority, and ECS excels in delivering on that standard. Their facilities are designed to meet the highest industry requirements, ensuring products remain at optimal temperatures from arrival through distribution. This level of reliability requires substantial electricity, as refrigeration and freezing systems run continuously to maintain precise conditions, making energy one of the facility's largest operating costs. With utility rates continuing to rise, the ECS team began exploring a long-term solution to gain greater control over those expenses.

SOLUTIONS

Solar proved to be a natural fit. With a steady demand for electricity and available land behind the facility, ECS was well-positioned to take advantage of the technology. Even with open roof space, ECS chose a 1 MW ground-mounted system to take advantage of the unused land, allowing the panels to be placed at the ideal angle and direction for higher production and offering easier expansion as energy demands increase. The system now helps offset a significant portion of their power usage, reducing utility costs and creating greater predictability for the business. By transforming unused land into a source of clean energy, ECS has strengthened its long-term financial outlook while supporting its commitment to sustainability and a zero-carbon-footprint goal.

FAST FORWARD

Estimated kWh Generation

This solar array has a nameplate capacity of 1184kWdc and is estimated to generate approximately 1,724,036kWh per year.

Estimated Savings

The projected savings on utility bills over 30 years from this solar array amount to over \$10 Million.

Estimated CO2 Offset

The solar array's estimated CO2 offset is equal to the emissions from burning 136,368 gallons of gas annually.

Estimated Tax Incentives, Rebates, etc.

Evansville Cold Storage has factored in a 30% Federal Investment Tax Credit for this project to reduce the estimated ROI to approximately 3 years.

***Since 2020, the life of this array has averaged 98% of what we estimated for kWh and savings!**