



## RIGGS BEER COMPANY

FAMILY-OWNED BREWERY  
URBANA, IL | CASE STUDY

Riggs Beer Company has successfully implemented a 109.90kW ground-mounted solar array. This initiative has resulted in \$9,053 of annual cost savings.

### AT A GLANCE

#### CHALLENGES

- Initial Investment
- Permitting & Regulations
- Weather & Location Variability
- Energy Demand
- Combining Different Inverter & Panel Types

#### BENEFITS

- Meets long-term sustainability goals
- Hedge operating costs against rising electric rates
- Tax Incentives & SREC Credits
- Reduced Electric Consumption from the Grid
- Minimal Management Required
- Enhanced Customer Experience

"Working with Harvest Solar has been a great experience for us. Part of it has been working with the same people that you already know and they already understand what you're looking for and what your expectations are. We're just happy with our equipment and the support we get from Harvest."

#### MATTHEW RIGGS

Owner of Riggs Beer Co.



**Scan the QR Code  
to learn more  
about Riggs Beer  
Co.'s Solar  
Success Story!**

### OBJECTIVES

Riggs Beer Company continually seeks innovative ways to refine their processes with minimal environmental impact. By brewing with locally sourced grains, they significantly reduce their beer's carbon footprint. With recent expansions in on-site solar, they now meet and exceed their energy demands, operating as the state's largest brewery solar array. The Riggs family distinctively designed their brewery with resource efficiency at its core and their focus on sustainability allows them to be the only grid-connected, 100% solar-powered brewery in the state of Illinois. Their commitment to sustainability was recognized with the Illinois Sustainability Award in 2018.

### SOLUTIONS

Dalton Balagna conducted a detailed review of the brewery's utility expenses to design a solar system perfectly tailored to meet their high energy demands. The result was a 109.90kW ground-mounted array, enabling the brewery to transition to 100% solar energy. This installation not only achieves their financial and sustainability goals but also enhances the customer experience. By incorporating solar canopies on the brewery's patio, they've added a functional feature that provides elevated shading for guests' comfort, seamlessly blending sustainability with practicality.

### FAST FORWARD

#### Estimated kWh Generation

This solar array has a nameplate capacity of 109.90kWdc and is estimated to generate approximately 142,285kWh per year.

#### Estimated Savings

The projected savings on utility bills over 30 years from this solar array amount to \$271,590.

#### Estimated CO2 Offset

The solar array's estimated CO2 offset is equal to 113,828 kg per year.

#### Estimated Tax Incentives, Rebates, etc.

Riggs Beer Co. has factored in a 30% Federal Investment Tax Credit, along with an additional 20-30% SREC credit, while incorporating the project's depreciation schedule.