



ADAM PHILLIPS

**FAMILY FARM
GARDNER, IL | CASE STUDY**

Adam Phillips has successfully implemented a 30.24kW ground-mounted solar array. This initiative has resulted in \$4,411 of annual cost savings.

AT A GLANCE

CHALLENGES

- Capital Investment
- Limited Ground Space
- Seasonal Energy Needs
- Interconnection & Utility Regulations

BENEFITS

- Illinois Shines Incentive Program
- Long-Term Sustainability
- Hedge operating costs against rising electric rates
- Tax Incentives
- Energy Cost Savings

"This right here is about a \$120,000 project with construction costs. The Illinois Shine covered about 40% of it which helped cover the rest of it to where this project was paid off in about 9 months. Now, I just get to reap the benefits of a very low electric bill & enjoy it."

ADAM PHILLIPS

Farm Owner



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

OBJECTIVES

Faced with the challenge of managing rising energy costs while securing the long-term success of his farm, Illinois farmer Adam Phillips sought a solution that would lower expenses and improve profitability for his grain bin operations. The Illinois Shines program—a lucrative state incentive—offered an opportunity he couldn't ignore. Because his system qualified under program size limits, Adam received an upfront payment for the full value of his Solar Renewable Energy Credits (SRECs), turning his energy production into immediate financial return. With Illinois' strong solar incentives, farmers like Adam can stabilize energy costs and reinvest in future growth.

SOLUTIONS

Dalton Balagna, a solar sales consultant at Harvest Solar, worked closely with Adam Phillips to ensure all factors were considered in meeting the farm's energy needs. Through a detailed site assessment, he determined the optimal placement for the array and tailored the system to fit the property. The result was a 30.24kW ground mount system, perfectly positioned to maximize efficiency. By going solar, Adam now powers his farm with clean, renewable energy while benefiting from the Illinois Shines program—a valuable incentive that supports Illinois farmers in transitioning to sustainable energy solutions.

FAST FORWARD

Estimated kWh Generation

This solar array has a nameplate capacity of 30.24kWdc and is estimated to generate approximately 41,605kWh per year.

Estimated Savings

The projected savings on utility bills over 30 years from this solar array amount to \$198,867.

Estimated CO2 Offset

The solar array's estimated CO2 offset is equal to the emissions from burning 722,309 pounds of coal.

Estimated Tax Incentives, Rebates, etc.

Adam Phillips has factored in a 30% Federal Investment Tax Credit, additional incentives from the Illinois Shines Program, Accelerated Depreciation, and awarded the USDA REAP Grant (40%) for this project to reduce the ROI to about 9 months.