



harvest
solar



SPRING GROVE NURSERY

FAMILY-OWNED TREE NURSERY MAZON, IL | CASE STUDY

Spring Grove Nursery has successfully implemented a 33.95kW ground-mounted solar array. This initiative has resulted in \$3,736 of annual cost savings.

AT A GLANCE

CHALLENGES

- Initial Investment
- Variable Energy Usage
- Grid Limitations
- Weather & Environmental Conditions

BENEFITS

- Incentives & Tax Credits
- Meaningful Savings
- Energy Independence
- Low Maintenance, Long-Term Value
- Scalable for Future Growth

"Stewardship is at the heart of what we do at Spring Grove Nursery, where our core purpose is to grow healthy trees, deep roots, and strong communities. Partnering with Harvest Solar to install on-farm solar panels reflects this commitment, harnessing clean energy in a way that aligns with our values and helps us continue to evolve, innovate, and care for the land we grow on."

JAMIE & BECKY THOMAS

Owners of Spring Grove Nursery



**Scan the QR Code
to learn more
about Spring Grove
Nursery's Solar
Success Story!**

OBJECTIVES

With six generations behind them, Spring Grove Nursery is more than a tree farm—it's a legacy rooted in care for the land and a deep connection to community. Every tree they grow, every acre they tend, reflects a long-standing dedication to stewardship, resilience, and thoughtful growth. Their decision to install on-site solar wasn't just about cutting energy costs—it was a meaningful step toward aligning their day-to-day operations with the sustainable future they envision. This move exemplifies their forward-thinking mindset—proving that tradition and innovation can grow side by side.

SOLUTIONS

To support long-term energy efficiency, Spring Grove Nursery implemented a 33.93 kW ground-mounted solar array through a partnership with Harvest Solar. The system was custom-engineered following a detailed evaluation of the site and energy load, ensuring optimal performance and alignment with their usage patterns. With room to accommodate future expansion, this installation demonstrates the nursery's commitment to sustainable operational practices. Backed by Harvest Solar's technical expertise and comprehensive service support, the array provides dependable, cost-effective energy that complements their broader business strategy.

FAST FORWARD

Estimated kWh Generation

This solar array has a nameplate capacity of 33.95kWdc and is estimated to generate approximately 47,272kWh per year.

Estimated Savings

The projected savings on utility bills over 30 years from this solar array amount to \$248,218.

Estimated CO2 Offset

The solar array's estimated CO2 offset is equal to the emissions from burning 1,007,315 pounds of coal.

Estimated Tax Incentives, Rebates, etc.

Spring Grove Nursery has factored in a 30% Federal Investment Tax Credit and additional incentives from the Illinois Shines Program for this project to reduce the ROI to 3.4 years.

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