



# GEOFFREY JACQUEZ

SUSTAINABLE HOMEOWNER  
JEROME, MI | CASE STUDY

Geoffrey Jacquez has successfully implemented a 8.58kW ground-mounted solar array. This initiative has resulted in \$1,400 of annual cost savings.

## AT A GLANCE

### CHALLENGES

- Upfront Costs
- Energy Storage
- Weather Dependence
- Siting Constraints

### BENEFITS

- Harvesting Renewable Energy
- Long-Term Savings
- Meets Carbon Neutral Goals
- Tax Incentives
- Energy Independence
- Increased Home Value

“We did the solar panels first, and then we did batteries which really balanced power, we went from being a consumer to being a producer, and with the geothermal we stopped using propane. I went from using a tractor powered by gas to a utility vehicle battery-powered built up with sunshine electricity. It’s fantastic and has transformed how I work.”

### GEOFFREY JACQUEZ

Sustainable Homeowner



**Scan the QR Code to learn more about Geoffrey Jacquez’s Solar Success Story!**

## OBJECTIVES

Geoffrey set an ambitious goal to make his property carbon neutral, driven by a desire to be part of the solution. To make this vision a reality, he prioritized sustainable practices, starting with solar energy. By transforming from an energy consumer to an energy producer, he paved the way for a smoother transition to electric and battery-powered operations, all powered by clean, sunshine-generated electricity.

## SOLUTIONS

In helping Geoffrey pursue his sustainability goals, Jake Schuster assessed different energy strategies for the property. The focus was on becoming more carbon neutral and using energy more efficiently, with an awareness of where and when energy was being consumed. This strategic approach enabled other sustainable advancements, such as converting to a renewable heating source and integrating battery-powered equipment that utilizes energy produced on-site for optimal environmental efficiency.

## FAST FORWARD

### Estimated kWh Generation

This solar array has a nameplate capacity of 8.58kWdc and is estimated to generate approximately 11,040kWh per year.

### Estimated Savings

The projected savings on utility bills over 30 years from this solar array amount to \$94,726.

### Estimated CO2 Offset

The solar array’s estimated CO2 offset is equal to the emissions from burning 228,001 pounds of coal.

### Estimated Tax Incentives, Rebates, etc.

Geoffrey Jacquez has factored in a 26% Federal Investment Tax Credit for this project.