



## FAIRPLAIN SELF STORAGE

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### BENTON HARBOR, MI | CASE STUDY

Fairplain Self Storage has installed a total of three solar arrays—one roof-mounted and two ground-mounted—with a combined capacity of 41.68 kW. This initiative has resulted in \$5,620 of annual cost savings.

## AT A GLANCE

### CHALLENGES

- Capital Investment
- Energy Usage Patterns
- Payback Timeline
- Weather Dependency
- Space Requirements

### BENEFITS

- Lower Operating Costs
- Supports Business Growth
- Maximizes Use of Property
- Competitive Advantage
- Tax Incentives & Grants
- Energy Security

“Jake from Harvest Solar made the whole process smooth from start to finish. He helped with everything—from the paperwork to getting the system up and running. It feels great knowing our storage facility is running on clean energy.”

### BILL STOCKWELL

Owner of Fairplain Self Storage



**Scan the QR Code  
to learn more  
about Fairplain's  
Solar Success  
Story!**

## OBJECTIVES

As a self-storage facility, Fairplain requires a significant amount of energy to maintain smooth and efficient operations. From lighting and climate control to security systems and automated access, the day-to-day functionality of the facility depends on consistent and reliable power. This high energy demand is a fundamental part of ensuring the facility remains accessible, secure, and comfortable for customers around the clock.

## SOLUTIONS

As Fairplain Self Storage expands to meet growing customer demands for premier self-storage, strategic investments in efficient operations have become essential. In partnership with Jake Schuster from Harvest Solar, the company has installed three solar energy systems totaling 41.68 kW. This smart, forward-looking solution not only helps control rising energy bills but also ensures that Fairplain can maintain and enhance the high-quality facilities their customers expect. With ample space on their property for both roof and ground mounts, the business is well positioned to support its upward trajectory and deliver top-tier storage services.

## FAST FORWARD

### Estimated kWh Generation

These solar arrays have a total nameplate capacity of 41.68kWdc and is estimated to generate approximately 54,235kWh per year.

### Estimated Savings

The projected savings on utility bills over 30 years from these solar arrays amount to \$351,408.

### Estimated CO2 Offset

These solar array's estimated CO2 offset is equal to the emissions from 1,166,537 pounds of coal saved.

### Estimated Tax Incentives, Rebates, etc.

Fairplain Self Storage have factored in a 30% Federal Investment Tax Credit and awarded the USDA REAP Grant to reduce the ROI to approximately 11.2 years.