



# Fluresh

## Grand Rapids, MI

**The Challenge:** Fluresh is known as a high-quality cultivator, grower, and processor in the indoor agriculture industry. Lighting is crucial in this industry to ensure high-quality products, guest experience and safety. Due to the large energy demand, energy efficient practices were needed to achieve a positive impact on energy bills and revenue while reducing the environmental footprint.

**The Solution:** Consumers Energy conducted an evaluation on this new construction project. Throughout the eight month process, from initial contact to completion, multiple efficiency and savings opportunities were identified. First, the proper lighting was installed to support the growth in the indoor agriculture facility. Then, a daylight harvesting system was installed to adjust the energy use based off the amount of sunlight coming into the facility throughout the day.

**The Result:** The company dramatically reduced its energy and earned a \$956,072 electric incentive, which contributes to the three year return on investment projection. Enhancement in both product quality and facility aesthetic were reported benefits. The modern and state of the art facility resulted in a boosted employee morale.

### Project Details

- **Upgrades:**
  - Grow lights
  - Variable Frequency Drives
  - Daylight Sensor Controls
- **Overall Incentive:** \$956,072
- **Annual Electric Savings:** 6,184,616 kWh
- **Estimated Annual Energy Cost Savings:** \$406,683



**Consumers Energy**

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Jeff Winograd, Research and Administrative Assistant, discusses his view on adding efficiency measures:

**“Basically, it’s free money for our company, why wouldn’t you apply for it? Energy efficiency measures may cost more upfront but in the long-term you’ll be saving money.”**



## Energy Savings in Action:

In total, 829,752 LED bulbs, 1,166,088 daylight sensor controls and 26 VFDs were installed. The incentives Fluresh received will be put back into funding new projects as the company works with the Consumers Energy team on continuing to participate in the program in the upcoming year. Installing energy efficiency equipment into Fluresh’s indoor agriculture facility reduced its energy use, cut its monthly energy bills and created a comfortable workplace while reducing its environmental footprint.

## We are here to help

The biggest challenge in reducing energy use in your business is knowing where to start. Consumers Energy is here to help.

The Business Energy Efficiency Programs team will guide you every step of the way to provide a simplified, hassle-free process.

**See how energy efficiency can save you thousands of dollars:**

Visit [ConsumersEnergy.com/startsaving](https://ConsumersEnergy.com/startsaving) and download the application or call **877-607-0737** to learn more.