



3,160

LED interlight modules

3,271,680 kWh

energy savings

LEDS YIELD BIG SAVINGS – AND TOMATOES!

SunTech Greenhouses

Manotick, Ontario

- Installed innovative LED grow lights to lengthen and shift your growing season and provide delicious, nutritious local vegetables in winter months

LED Interlight Modules

3,160 129W LED interlight modules in 78,000 ft.² of greenhouse

Savings

Demand savings: 1,090 kW

Assumed energy savings: 3,271,680 kWh

Incentives

\$436,224 under the Retrofit Program





SunTech Greenhouses grows tomatoes, cucumbers, green beans, peppers, and eggplants in a 180,000 ft.² greenhouse.

To offer the Ottawa market his flavourful local vegetables during the winter, SunTech owner Bob Mitchell needed a lighting system that would allow him to shift his growing season. He had been evaluating high-pressure sodium (HPS) lights when he was introduced to new LED grow lights.

LED LIGHTING VS. HIGH-PRESSURE SODIUM

Although the cost of the LED fixtures is more than HPS lights, Mitchell understood the overall cost implications, "I know the numbers on HPS fixtures. You're actually supplying 30% of your heat demand with electricity!"

LEDs were the clear winner when all factors were brought into the equation. According to Mitchell, "When you reduce your power demand to one

third, you reduce wire size, you reduce electrical cost and wiring costs."

BENEFITS OF LED GROW LIGHTING

- One third of the power demand compared to HPS lights
- Cool operation means bulbs can be close to plants for more efficient use of energy
- No disposal issues (HPS bulbs contain mercury and sodium)

SunTech continues to innovate to deliver the best tasting produce in the most energy-efficient way possible. Mitchell says, "The future plans at SunTech: to use the tools we have and to explore further."

SOLUTIONS TO HELP YOU BECOME MORE ENERGY EFFICIENT

Hydro One offers significant financial incentives to encourage businesses and industries of all types to better manage their electricity use:

- energy audits
- lighting upgrades
- equipment retrofits
- chilled water system upgrades
- process and systems upgrades
- energy managers
- major renovations and new construction
- and more

Get on the fast track to energy efficiency. Contact us to get started.

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