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## Saputo Dairy Products

Cold Storage Area



**CHALLENGE:** Maximize energy savings with high efficiency LED lighting  
**SAVINGS:** 70% energy savings; over \$4,100 per year  
**OUTCOME:** Achieved target light level of 200 lux

### Site description

Saputo is Canada's largest producer of dairy products and snack cakes, and one of the top ten dairy processors in the world, with products sold in over 40 countries. Saputo committed to the EnergyStar "Challenge for Industry", which encourages manufacturing facilities to reduce their energy consumption by at least 10% within 5 years. Prompted by the challenge and a desire to modernize their facility, Saputo asked ONEnergy to find the best lighting technology available for a 12,000 square-foot storage area that was being added to the dairy processing facility in Burnaby, BC.

### Primary challenge

Saputo's main priority was maximizing their energy savings. They were using the storage facility as a test area for LED technology, in the hopes that the technology could be incorporated throughout the entire facility. It was also important for this new technology to outperform fluorescent lightning in the cool storage environment, have a food-safe rating, and provide higher light levels.

## Process

ONEnergy recommended that Saputo install thirty-three 65W LED high bays throughout the new storage area, instead of their alternative, which would have required fifty 133W T8 fluorescent high bays to achieve the same light level.

Both the plant manager and director of energy at the facility were extremely pleased with ONEnergy's responsiveness and the end results.

## Outcomes

### Lighting

After installation the new lighting system successfully achieved Saputo's light level target of 200 lux, and provided a lasting solution that reduced operations and maintenance expenses to half that of Saputo's other cooler storage areas.

### Energy

Being a new addition to the facility, no historical energy consumption existed; however, ONEnergy's solution saved Saputo 70% in energy when compared to the T8 vapour-proof fixtures they had been considering.

## BC Hydro support

Based on the energy reduction solution that ONEnergy designed, BC Hydro offered an incentive to cover 41% of total project cost.

## Contact

For Energy Products - LED Lighting, High-Efficiency Commercial HVAC Systems, Electricity, Natural Gas, Commercial Solar PV and more, call 1 (855) 753-2525 or email [LEDsales@onenergyinc.com](mailto:LEDsales@onenergyinc.com)

After



*LED lighting installation in storage area*

