

# CANEX BUILDING SUPPLIES

## LIGHTING RETROFIT SAVES “ONE-BY-ONE” REPLACEMENT COSTS

When your lighting system is aging, costs go up while lighting quality goes down. As ballasts decline, fluorescent lamps need to be replaced more frequently, increasing costs for labour as well as supplies. And as lamps age, they burn less brightly, reducing productivity, safety, and customer experience on your shop floor.

When Canex Building Supplies in Chilliwack assessed their older lighting, they decided a full retrofit was the cost-effective way to go. Now, they're saving money on electricity and maintenance, and enjoying a brighter, safer workplace.

### THE CHALLENGE

#### Upgrade lighting for long-term advantage

Canex Building Supplies is a 30 year old company with a 15,000 square foot facility that serves general retail and the building contractor market. The store includes a lumber supply yard and outdoor operations.

“Our lighting has always been very bright,” says Vartan Temorcioglu, Canex’ store manager. “But as it got older, we were replacing a ballast here and there, sometimes two or three, on a regular basis.” Temorcioglu says the cost of maintenance and bulbs—plus the concern over appropriate environmental disposal of old ballasts and fluorescent tubes—led the company to consider a retrofit. “We figured the payback time was about four years, and we’re going to be around longer than that, so we might as well pay the money up front now and recoup it after a while.”

### THE SOLUTION

#### Comprehensive retrofit with energy efficient lighting

Canex replaced more than 1,000 older fluorescent lamps with high efficiency T8 fluorescents, and upgraded to electronic ballasts, which save on energy costs. Outdoor lighting was also upgraded, and incandescent bulbs replaced with compact fluorescent lamps (CFLs). Occupancy sensors were installed in areas where traffic comes and goes, to ensure lights switch off when not required.

“I figured if we don’t do this now, over the next two or three years it’s going to cost us more. Every time an electrician comes and changes a couple ballasts it’s going to cost a few hundred dollars. Upgrading it all at once made more sense.”

Vartan Temorcioglu,  
Store Manager,  
Canex Building Supplies

### ENJOYING THEIR SUCCESS

#### Brighter atmosphere

Customers and employees find the new space brighter to work and shop in.

#### Annual savings

Every year from now on, Canex will save about \$5,600 in electricity and maintenance costs.

## A CLOSER LOOK

TYPE OF UPGRADE	NUMBER
4' lamp to 4' T8 lamp electronic ballast	1,010
Inefficient Metal Halide to efficient Metal Halide Lamp	21
No Occupancy Sensor to Occupancy Sensor	18
Inefficient Metal Halide to Efficient High Bay Fluorescent	27
Incandescents to CFLs	75

### SAVINGS

Electricity saved each year (kilowatt hours)	101,830
Annual savings on bills and maintenance	\$5,600
Value of Power Smart rebates and incentives	\$16,280

## THE BENEFITS

### Better lighting, safety, maintenance

The lighting upgrade throughout Canex's retail, office, warehouse and outdoor areas is saving the company more than 100,000 kWh of electricity per year. That translates to about \$5,600 a year saved on electricity costs.

Meanwhile, customers and employees have commented how much brighter the store feels. Temorcioglu says the retrofit helps with safety too. "We have a lot of inventory outside, with drivers and trucks coming and going all the time. When our trucks are tying down their loads after dark, it's a safety issue—they need good lighting to see what they're doing properly."

Canex was eligible for a Power Smart incentive of \$16,280. "It was a big help, and brought the payback way down," says Temorcioglu.

## YOU CAN SAVE TOO

Discover just how much your administrative or commercial facility can benefit from energy-efficient lighting technologies—right now and for years to come. Under the Power Smart Product Incentive Program, a variety of products qualify for incentives that can lower paybacks and make upgrade projects even more attractive:

- Compact fluorescent lamps save up to 75 per cent in energy costs over incandescent lamps.
- LED exit signs are 90 per cent more efficient than incandescent signs and last up to 25 years.
- Lighting occupancy sensors can save up to 30 per cent in energy costs, depending on the room, while prolonging the lifespan of your lighting products.

## CONTACT US

For more on how you can benefit from energy-efficient technologies through our Product Incentive Program.

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[bchydro.com/incentives](http://bchydro.com/incentives)