

Case Study

PEOPLES CREDIT UNION

Project Background

18000 sq.ft full service locally owned financial institution. PCU is environmentally responsible and active in the community.

Objectives

Reduce energy consumption, maintenance, and waste. Improve interior and exterior light quality.

Before (Exterior): 43 70W/175W/400W metal halide fixtures

Before (Interior): 62 T12 and PL fluorescent and 45 incandescent fixtures

After (Exterior): 16 200W Induction Full Cut-off Floods in parking lot; 27 15W/32W/63W LED fixtures in canopy, wallpacks and ATM

After (Interior): 42 T5 high efficiency fluorescent fixtures, 54 5W/6W LED lamps, and 11 compact fluorescent fixtures

Results:

Project Cost: \$33,890

Simple Payback after saveONenergy incentive: 30.8% (27.2% without)

Return on investment (ROI): 3.3 years after incentive (3.7 years without)

Electricity Savings: 66% of lighting consumption (\$6,967 annually)

Benefits:

Increased light levels at external ATM by more than 50% for better security | Improved light uniformity in parking lot | Reduced maintenance costs by more than 50% using long life induction lamps (100,000hr) in parking lot | long life LED lamps (30,000/50,000hr) in potlights and canopy, and longlife T5 lamps (35,000hr) in interior fixtures | Reduced waste destined for landfill by more than 50% as new longlife lamps are rated 2 to 5 times longer than existing lamps | Installed full cutoff fixtures in parking area to comply with Dark-Sky requirements to preserve and protect the nighttime environment for birds and aircraft | Received \$2,989.52 OPA incentive to help defer installation costs



Peoples Credit Union (PCU) is a responsible, caring financial institution that strives to give its members exemplary service. Beginning over 60 years ago in 1944 as Innisfil Credit Union, PCU has grown from 20 to over 9,000 members with assets over \$140 million. From a handful of volunteer staff working in a member's "kitchen" serving a community of farmers to employing 50 people serving the community as a whole with full service locations in Stroud, Alcona, Shelburne, and Tollendale Village in Barrie.

The lighting at the head office in Stroud was showing its age, requiring a full relamp and several fixtures were in need of replacement.

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“Adopting energy-efficient technologies to improve the efficiency of our operation and our bottom line was an easy decision.”

Heather MacDonald
Chief Executive Officer
Peoples Credit Union, Innisfil



ATM Exterior Drive-thru, PCU, Innisfil

Heather MacDonald, CEO, Peoples Credit Union, and Rusty Agnew, Service Manager, Great Canadian Wire Co. Ltd. decided it was a good time to look at a new energy efficient solution that would reduce energy consumption, improve light levels, be environmentally responsible and lower maintenance costs.

Rusty contacted Ed Alexander, Progressive Lighting Energy & Design, to develop a retrofit solution that would meet their objectives.

Latest Lighting Technology

Progressive Lighting applied the latest lighting technologies including T5 fluorescent, LED and induction to achieve energy savings, longer lamp life and improved light quality. Improved ATM security and meeting Dark-Sky requirements to reduce nighttime light pollution were among the added bonuses.

Financial Incentives

Heather MacDonald further stated that, “receiving financial incentives* to replace inefficient existing equipment with high efficiency equipment was an added bonus. During the process, daily business activities were not affected. Service was fast and professional and I recommend that every business look to make the change”.

**The PCU received a \$2,989.52 incentive from the Ontario Power Authority through it's saveONenergy for Business Program to help defer installation costs.*

