

CASE STUDY: SAINT-JEAN-DE-LALANDE SCHOOL

BETTER BUILDINGS PARTNERSHIP



Project Address:
500 Sandhurst Circle
Scarborough, ON M1S 3Y7

Key Contacts:
Bjarne Pedersen, Project
consultant/engineer
ALD Architectural Lighting Design

Main Building Contacts:
Robert Castel, Directeur de
service des ressources matérielles
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installations scolaires
Conseil Scolaire de District
Catholique Centre-Sud

Project Snapshot

Project cost: \$134,319

Annual electricity savings:
46,008 kWh

Annual cost savings:
\$4,600

Annual CO₂ savings:
44,260 tonnes CO₂

BBP Incentives: \$6,652

Project Background

Saint-Jean-De-Lalande, built in 1973, is a three storey elementary school, with a student population of 116 students. The school is part of the Roman Catholic separate French language school board for the south-central region of Ontario (CSDCCS). The school board is made up of 41 elementary and eight secondary schools.



Challenges

Many of the school's buildings are aging and becoming increasingly inefficient. The school board began to look for ways to increase the school's energy efficiency to reduce energy costs. Motivated by incentives from the BBP program, the school board undertook an energy efficiency project at Saint-Jean-De-Lalande elementary school.

“The school board is very satisfied with the lighting project completed at Saint-Jean-de-Lalande. This retrofit improved the school’s energy consumption and the quality of learning in the classrooms. The incentives from BBP for this project were very helpful and the school board is now motivated to undertake additional projects with BBP in the future.”

Nzola Mbaki
Services and Planning Administrator, CSDCCS



Solution

ALD Architectural Lighting Design conducted a lighting audit, and based on the audit results developed a plan to retrofit the school’s current lighting system. T12 Linear Fluorescent, Incandescent and Metal Halide lamps were retrofitted to a more energy efficient lighting system, including T8 Linear lamps, High Bay T5 Linear lamps and Compact Fluorescent lamps, all complete with electronic ballasts.

The retrofit helped to improve the school’s energy consumption, and created a safer and better quality learning environment. In the future, Saint-Jean-De-Lalande plans to install variable frequency drives, photocell lighting and lighting sensors, with the help of BBP incentives.

About the City of Toronto

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