



INDUSTRIAL ENERGY EFFICIENCY PROGRAM

Case Study

Ocean Steel & Strescon

Both Ocean Steel and Strescon call Saint John, New Brunswick home with offices and plants across Atlantic Canada and northeastern United States. They are part of the OSCO Construction Group, a collection of companies operating in concrete, construction, and steel.

Ocean Steel's Saint John location is a 120,000sq. ft. production facility that includes over 1,100 feet of crane-ways and the capacity to fabricate large-scale pieces using state-of-the-art technology for construction projects of all sizes.

Strescon's 34,000sq. ft. Saint John site develops and produces precast concrete products and environmental solutions, including pipe, box culverts, manholes and catch basins, and wastewater treatment systems.

Safety is always top priority for both Strescon and Ocean Steel. Having a well-lit space ensures maximum visibility for welding operations, and also an added safety precaution to avoid the dangers associated with tripping over materials and machineries in busy manufacturing environments.

Having had worked with other efficiency agencies in their facilities out of province, they were excited to engage NB Power's Industrial Energy Advisors on their lighting projects in New Brunswick.

Working with the Industrial Energy Advisors, they were able to quickly work together and easily submit the appropriate paperwork to access incentives and help them upgrade their lighting.

PROJECT BENEFITS

The project benefits in this case are pretty clear: fewer lights, that are newer and more energy efficient, will cut Ocean Steel's power consumption by half while also creating a better and brighter working environment.

In addition to reduced wattage and increased light distribution at both sites, the new LED fixtures also require less frequent maintenance - a process that required a lot of effort and equipment like scissor lifts and boom cranes, and resulted in production disruptions. The improved lighting has created a more efficient, productive work environment, and happier employees.

"It's a win-win. The lighting works better, it cost less, and we are doing our part for the environment. Every bit helps! "

OCEAN STEEL LIGHTING UPGRADES
With the Industrial Energy Efficiency Program's Prescriptive incentives, Ocean Steel was able to replace their high bay lighting technology

and de-lamp (reduce lighting fixtures) as well. They replaced 216 old, metal halide fixtures with 166 new, LED fixtures.

STRESCON LIGHTING UPGRADES

Strescon's project allowed them to take advantage of the Prescriptive incentive without pre-approval because their incentive was below \$10,000. They were able to replace their metal halide, high bay lighting with 31 new, LED fixtures.

ABOUT OCEAN STEEL & STRESCON

Company Names : Ocean Steel and Strescon (both are subsidiaries of OSCO Construction Group)

Established : Ocean Steel 1955, Strescon 1963

Project Location : Saint John, New Brunswick

Employees : 70 at Ocean Steel, 79 at Strescon

Annual Production output : 10,000 tons of steel/year and 40,000 tons of product/year

Classification : Mid-sized Industrial

PROJECTED ENERGY SAVINGS

Project Cost : \$221,845

Project Incentive : \$58,160

Estimated annual energy savings : \$27,320

Estimated maintenance savings : \$10,000

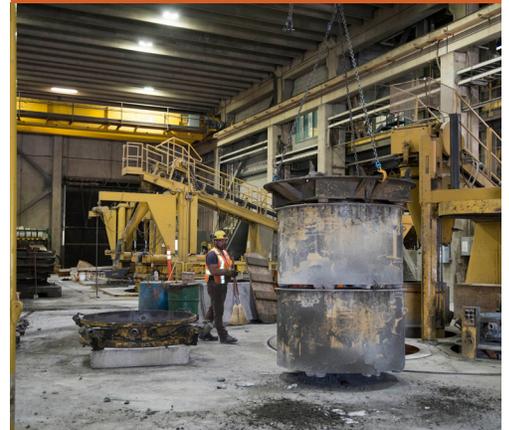
Simple payback : 6 years

Greenhouse gas emissions reduction : 165 metric tons of eCO2 per year. That's the equivalent of 33 passenger vehicles off the road, each year

GET STARTED!

To learn more about how LEDs have lit up the working environment at Strescon and Ocean Steel, visit: saveenergynb.ca/OSCO

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