

# PROJECT SPOTLIGHT: Sports & Recreation



**CUSTOMER:** McCormick Arena, Toronto, Canada

**PROJECT:** WESCO Energy Solutions worked with the City of Toronto to install new interior and exterior LED fixtures at the McCormick Arena. The McCormick arena is a community-based facility serving the Parkdale area of Toronto since 1972. This year round facility houses two ice surfaces including one official size rink 180' x 80' and a studio size rink 180' by 50'.

**SOLUTION:** The focus of the project was to save energy, increase safety, reduce maintenance, and improve light levels throughout the facility. In addition to the main arena housing the ice rinks, the scope of work included the corridor, multipurpose room, change rooms, restrooms, office, and conference room. The existing HID over the two ice pads were replaced with LED high bays and the incandescent night lighting was replaced with LED vapor tight luminaires. New LED exterior fixtures and photocell control were installed to replace existing 100-150W HID.

A key focus for the project was to leverage advanced controls to maximize energy savings. Local occupancy sensors were installed in the changerooms. A wireless control system was installed to control the rink lighting, allowing for dimming and more granular control.

Pre-set options included:

- On/Off: Lights to 20%
  - Scene 1: 90%, 1000 lux
  - Scene 2: 60%, 650 lux
  - Scene 3: 30%, 380 lux
- (Main rink light levels)

**RESULTS:**

- Reduction of 200,00 kWh annually and 300 kW of demand
  - The equivalent of eliminating approximately 18 family homes from the electric grid

*Before*



*After*



## NEXT GENERATION INNOVATION + 100 YEARS' EXPERIENCE

WESCO Energy Solutions uses a customer-centric approach to deliver turnkey sustainability projects. From conception through installation, we leverage solutions such as LED lighting, networked controls, solar panels, smart metering, and electric vehicle charging to help our clients achieve significant savings and create a smart, future-proof infrastructure. We have assisted clientele across a broad range of industries including retail, education, commercial, industrial, government, healthcare, and hospitality. This advanced portfolio of energy-efficient services and solutions leverages our strong relationships with thousands of suppliers and is backed by WESCO International's reliability and nearly 100 years of experience.