

PROMENADE MALL CASE STUDY

Home to nearly 130 stores and businesses spanning 879,000 square feet. Promenade Mall was spending well over $4 million annually on their electricity bills.

Interpret and view energy consumption in a new way.

Like many large energy users in Ontario, Promenade Mall was entirely unaware of the potential advantages of programs like the Industrial Conservation Initiative (ICI), Demand Response (DR) and other programs that allow you to benefit off energy efficiency. Most businesses don't have the time or resources to focus efforts on understanding or improving their energy usage and as such energy management is not part of their core business. Promenade Mall was paying around $2.5 million per year in global adjustment payments and didn't know they could easily reduce this portion of their bill.

Edgecom Energy stepped in to offer their specialized energy management services tailored to help facilities with large and complex energy use profiles. Due to the COVID pandemic and based on analysis done by Edgecom Energy they decided to delay their transition from Class B to Class A. This decision proved to be critically beneficial during the pandemic as their kWh consumption was greatly reduced during this period and the Class B structure was actually better for them that year.

YEARLY SAVINGS AND EARNINGS:

Opting in to Class A = $476,000
ICI Peak Management= $359,000
Demand Response = $29,000
Non Wires Alternative = $80,000
Total = $944,000

Energy Management Simplified.

Based off the information and analysis provided to them, Promenade Mall decided to make the transition from Class B to Class A in the summer of 2021 saving an estimated $476K plus a further $359K in savings to be realized the following year from actively curtailing their energy usage. Promenade Mall was also able to capitalize off their energy flexibility and generate $29K from DR participation. Through Edgecom energy, Promenade was able to participate in Alectra's Non Wires Alternatives (NWA) Pilot Program and generated an additional $80K split between availability and activation payments. This pilot demonstrated the benefits of NWA and should drive the implementation of a full time NWA program that many large industrial and commercial consumers will undoubtedly participate in.

Looking into the future, a potential savings of $2.2 million was identified if they decided to install a battery system as well. Collaboration with Edgecom Energy has not only generated continual yearly savings for Promenade mall but also added new revenue streams to their business. Besides monetary incentives, the ownership group gained a better understanding of not only their own usage but also the Ontario Energy market and the programs available to them. They look forward to continuing to improve their energy use and take advantage of other programs and products by leveraging the guidance and technical abilities of Edgecom Energy.

Industrial Conservation Initiative (ICI) is a program run by the Independent Electricity System Operator (IESO) where consumers are incentivized through rate structures to reduce stress on Ontario's aging power grid during system peak events.

Demand Response (DR) is a program run by the IESO to help manage the electricity grid by paying consumers who collaborate with the IESO to reduce or shift their load when needed instead of building more generation capacity.

Non Wires Alternatives (NWA) pilot program is a localized form of DR ran by Alectra to secure energy and capacity from Distributed Energy Resources (DER).

Edgecom Energy offers a suite of AI-backed, software and hardware solutions to simplify energy management.
Our holistic customer focused approach is tailored to your facilities specific needs and guarantees maximum savings and revenue while minimizing impacts on your business operations.

Energy Management Technology Company

Edgecom Energy
416.640.2401
info@edgecomenergy.ca
Unit 1C - 90C Centurian Dr., Markham,ON L3R 8C1, Canada

