



Voltage Management Applied to Big Box Retail

Rona in the 1990's established itself as a retail leader in sustainable business practices by making a commitment to minimize its environmental footprint. It implemented one of the fastest paint recovery programs in the industry, followed by life-cycle assessments, a responsible sourcing policy, and by promoting environmentally friendly products in its stores.

Rona's stance on energy conservation is also progressive, and in 2011 as part of its overall energy efficiency plan, Rona turned to Legend Power to reduce store energy consumption. Legend Power® installed the SmartGATE™ system in 5 pilot stores in the Greater Toronto Area which year-over-year save over half a million kWh per year.

Project Results

Location	Annual Energy Reduction	Peak Demand Reduction	Annual GHG Reduction
Brampton	104,000 kWh	21 kW	24 tons
North Toronto	86,000 kWh	18 kW	20 tons
East Toronto	99,000 kWh	21 kW	22 tons
Whitby	76,000 kWh	18 kW	14 tons
Woodbridge	138,000 kWh	27 kW	30 tons

Rona Woodbridge: Optimized vs. Bypass -15 minutes (10 second resolution)

