



## Voltage Management Applied to an Educational Facility

**Ontario's school boards** believe identifying and implementing new energy conservation solutions is important. To combat budget constraints and further fund education programs, school boards look to energy conservation as a means to reduce operating costs.

The Toronto Catholic District School Board is a local leader in energy conservation. They installed Legend Power's SmartGATE™ voltage management solution in two post-secondary schools in 2014, netting reduced electricity bills by 5.25% and saving over \$19,000 per year.

Over the course of the SmartGATE™ system's 10+ year life, the Toronto Catholic District School Board will save over \$190,000 from these two sites. TCDSB has since installed 13 more SmartGATE™ systems for energy savings.



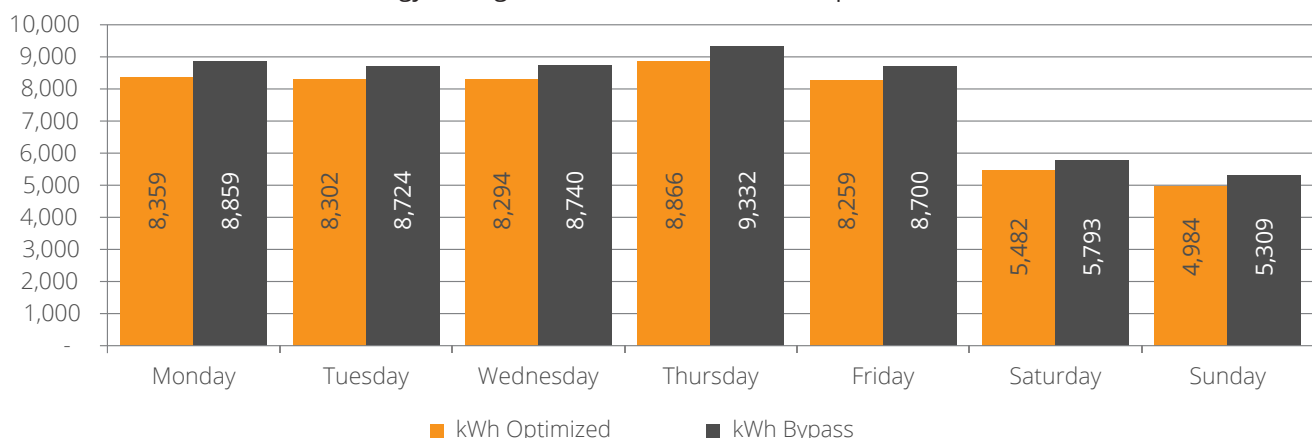
### By the Numbers

Category	Performance
Reduced Consumption	134,330 kWh
Peak Demand Reduction	45 kW
Annual GHG Reduction	27 tons
Annual Savings	\$19,000
Energy Bill Reduction	5.25%

*"We are always on the lookout for new ways to reduce our schools operating costs. We are more than pleased with the achieved results and excited about future projects with Legend."*

**Khaled Elgharbawy** – Toronto Catholic District School Board  
Senior Coordinator of Maintenance and Energy Management

Measured Energy Savings – One Week: kWh Consumption Before and After



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