



## Conservation Voltage Reduction Case Study – Toronto Catholic District School Board



**Toronto Catholic District School Board** installed Legend’s energy saving Harmonizer in two of their post-secondary school locations in 2014, which has reduced their electricity bills by 5.25%, saving over \$19,000 per year. Identifying innovative energy conservation solutions is important to Ontario’s school boards. Budgets continue to tighten, and keeping operating costs down through energy conservation solutions such as Legend’s Harmonizer, is a bigger priority than ever. Reducing operating costs helps schools fund education programs, rather than fighting rising energy bills. Over the course of the Harmonizers’ 10+ year life, the TCDSB can expect to save over \$190,000, all of which can be redirected to educational programs. With over 200 schools in the Greater Toronto Area, the long term savings potential for the TCDSB is tremendous.

Savings Summary
134,330 kWh Saved
45 kW Peak Demand
27 MT of GHG Removed
\$19,000 Annual Savings
5.25% Energy Bill Reduction

“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 1 Week  
kWh usage Before (optimized) & After (bypass) the Harmonizer

