



Conservation Voltage Reduction Case Study – Local Utility, (Ontario, Canada)



Veridian Connections, a wholly owned subsidiary of Veridian Corp is the seventh largest municipally owned utility in Ontario. They are responsible for the safe and reliable delivery of electricity to more than 119,000 customers across nearly a dozen municipalities.

In 2010, Veridian set out to construct a 26,000 square foot LEED certified expansion to their headquarters. A strong believer in leading by example, the project goal was to showcase energy efficiency and green-building best practices for their customers. To optimize energy performance, Veridian worked with LPS to implement the Harmonizer. 'Energy performance optimization' under LEED NC (EAc1) earns applicants up to 3.8 points towards certification.

Commissioned in late 2011, the Harmonizer has lowered overall consumption by 5%, saving over 300,000 kWh since installation. LPS and Veridian have leveraged these results to showcase voltage optimization with the Harmonizer as a viable energy efficiency measure (EEM) to both customers and utilities alike.

Savings Summary

76,000 kWh energy reduction

23 kW peak demand reduction

3.8 applicable LEED points

2.8 year ROI

