



Voltage Management Applied to a Local Utility

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

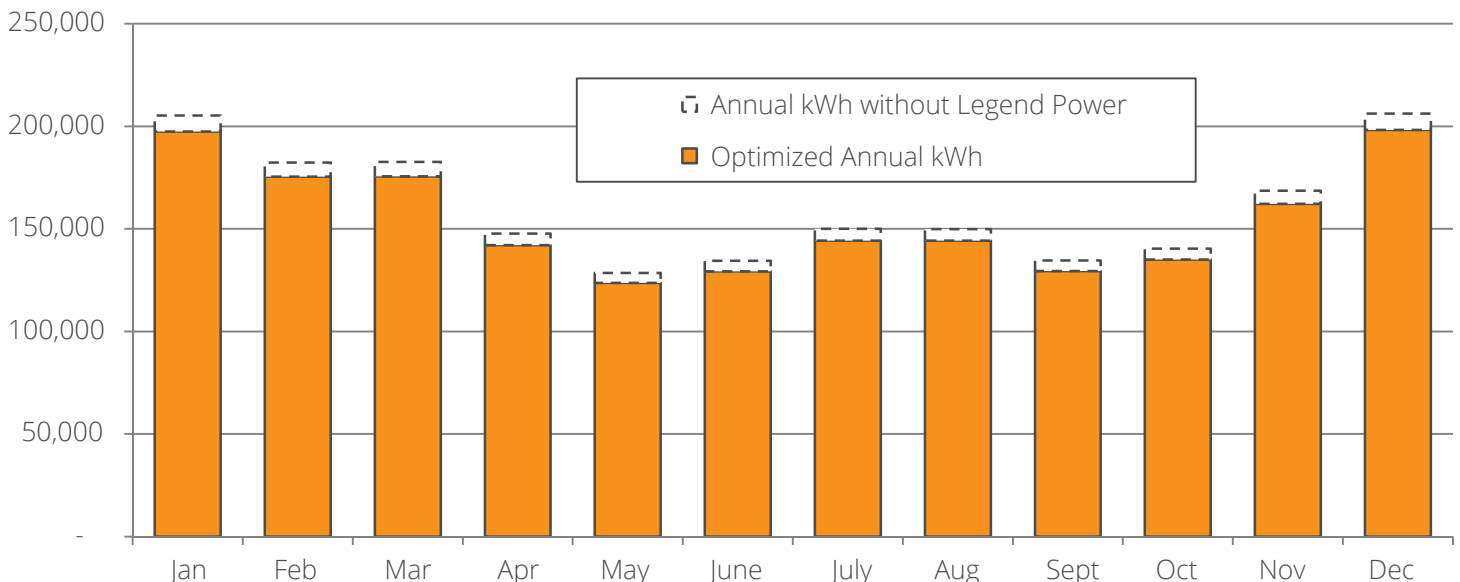
In 2010, Veridian set out to construct a 26,000 square foot LEED certified expansion to their headquarters. A strong believer in leading by example, the project goal was to showcase energy efficiency and green-building best practices for their customers. To optimize energy performance, Veridian worked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

Commissioned in late 2011, SmartGATE™ 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 SmartGATE™ as a viable energy efficiency measure (EEM) to both customers and utilities alike.



By the Numbers

Category	Performance
Reduced Consumption	76,000 kWh
Peak Demand Reduction	23 kW
Applicable LEED Points	3.8
Return on Investment	2.8 years



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