



Welcome to the August 2017 issue of the Langford newsletter bringing you product updates and the latest in the Ontario Electricity Industry.

What's New

Join us at the Toronto PLUG (PowerLogic User Group Conference) on **October 19th!** There will be seminars on energy management solutions, information on new energy efficiency programs, an unveiling of new metering hardware and an update of the new features that are now included with the latest version of Struxureware PME 8.2. Take advantage of the opportunity to mingle with your peers, attend relevant case studies and industry news update seminars. RSVP at [Langford](#)

Ontario News

Hydro One Acquires U.S. Utility - Hydro One has signed a deal to acquire U.S. energy company Avista Corp. for \$6.7 billion in an all-cash deal that would create one of the largest regulated utilities in North America. See [CBC](#) and [FinancialPost](#) and [Ontario](#)

Sale Stalled - A decision on the sale of Orillia Power to Hydro One has been delayed "until the OEB renders its decision on Hydro One's distribution rate application." See [OrilliaPacket](#)

Plant Shut down - Siemens' has announced the shut down of the wind turbine blade factory in Tillsonburg. The plant's owner cited such factors as falling demand for its wind-turbine blades and growing competition for the closing. See [LondonFree](#)

Rising Costs - The price of electricity grew significantly faster in Ontario than everywhere else in Canada over the past decade, according to a report by the Fraser Institute. From 2008 to 2016 residential hydro costs in Ontario rose

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Product Spotlight! CM4000T

The Series 4000 Circuit Monitor is a high performance meter for mains or critical loads on HV/LV networks. It is available in two versions.

The CM4250 is highly accurate and equipped with one of the most powerful processors in it's class. It provides the power and functionality needed to control energy costs and increase power system reliability.

The CM4000T is essential for critical power and large energy users who cannot afford to be shut down. The

71 per cent, while the average increase across Canada totalled 34 per cent. See [CBC](#)

In a related story, following a detailed analysis of year-end data issued by the IESO and OPG, the Ontario Society of Professional Engineers is reporting that in 2016, the province wasted a total of 7.6 terawatt-hours of clean electricity. See [OSPE](#)

Practice Makes Perfect - The Darlington Nuclear Refurbishment project is 30 days ahead of schedule and \$40 million under budget so far on the work on unit two. OPG has spent years planning the refurbishment project and built a full-scale mock-up of a reactor so workers could practice prior to doing the actual work. See [Durham](#)

New LTEP - According to a posting in the "Regulatory Registry" it is expected that the new Long Term Energy Plan (LTEP) will be released in the "late summer of 2017." See [Lexology](#)

Storage Partnership - Alectra Energy Solutions and AMP plan to form a strategic relationship to develop large-scale energy storage solutions for commercial and industrial and institutional customers in Ontario. See [UtilityDive](#)

LTEDC - Northland Power has negotiated a Long-Term Enhanced Dispatch Contract with the IESO for Northland's 120MW cogeneration facility located in Iroquois Falls. It replaces the facility's previous contract with the Ontario Electricity Financial Corporation. See [Timmins](#)

Schneider Electric EcoStruxure Power SCADA

Power SCADA Operation software combines Schneider Electric's expertise in power monitoring with the functionality of a high-performance SCADA system. The software integrates with an electrical system and has the scalability to continue meeting system needs as they evolve over time.

With Power SCADA Operation software operators can

CM4000T can detect and record transient voltages that exceed the voltage withstand of sensitive equipment.

See [Schneider](#)

Did You Know Hacked

Hackers working for a foreign government recently breached at least a dozen U.S. power plants, including the Wolf Creek nuclear facility in Kansas, according to current and former U.S. officials, sparking concerns the attackers were searching for vulnerabilities in the electrical grid.

The intruders could be positioning themselves to eventually disrupt the nation's power supply, warned the officials, who noted that a general alert was distributed to utilities a week ago.

The chief suspect is Russia, according to three people familiar with the continuing effort to eject the hackers from the computer networks. See [Bloomberg](#)

optimize the management of their entire electrical installation for greater productivity, and Improve operator efficiency and decision making by giving access to accurate, timely, and comprehensive information. For details [Schneider](#).

GridSense Line IQ

As the grid gets smarter, so must the sensors and . GridSense has the only true Line Health Monitor available in the market. It performs all of the traditional fault current indicator functions with additional features that include smart adaptive sensing of events, load, voltage and temperatures, Intelligent algorithms to provide highly accurate, configuration-free overhead line fault detection, and voltage measurement that enables detection of load flow, power factor, and direction of the fault. See [GridSense](#)

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