



Welcome to the October 2018 issue of the Langford newsletter bringing you product updates and the latest in the Ontario Electricity Industry.

What's On

The PowerLogic User's Group (PLUG) Conference is less than three weeks away!

Join us on **October 18** at the International Centre in Toronto and be at the official Canadian launch of **THE ION 9000** high end digital power meter and the new versions of Power Monitoring Expert & Power SCADA Operation (version 9.0) software to accompany it. See [KnowYourPower](#) for details and to register.

Webinar: What's new in the Award Winning EcoStruxure™ Power Monitoring Expert 9.0 software

Join us on **Tuesday, October 23rd** at 1PM EST for a webinar covering new features such as power events analysis, multi-site support, Enhanced Energy Management and more. See [Schneider](#)

Ontario News

Worst Case Scenario - TORNADOS in the Ottawa area last week took out a major power substation near Merivale and Hunt Club roads. For two days, Hydro One and Hydro Ottawa worked on a plan to bypass the storm-ruined power station. See [OttawaCitizen](#)

Making Good on Promises - Ontario's PC Government has introduced legislation to repeal the Green Energy Act, which was one of the party's major campaign promises. See [Global](#) and [Ontario](#)

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The History of the Electricity Meter

Product Spotlight - ION 9000

An EcoStruxure Power connected product, the PowerLogic ION9000 is the most innovative, most advanced, and most accurate power quality meter in the world.

Third-party certified 0.1S accuracy, modular design, flexible ION programmability, and advanced power quality analysis make it the perfect power meter for industrial or

In a related story, the government revoked pending changes to Ontario's net metering regulations, just a week before they were to take effect. See [Ontario](#) and [pvbuzz](#)

In the Courts - An environmental group that is taking the Ontario government to court over its decision to cancel the cap-and-trade system says the province has now committed to holding public consultations before moving ahead with the plan. See [CTV](#)

In a related stories, Ontario's PC government has asked the Court of Appeal of Ontario to declare Ottawa's carbon tax to be unconstitutional. See [TheGlobeandMail](#) The Ontario government says it will not appeal a Superior Court decision in favour of Tesla Motors Canada over the cancellation of electric vehicle rebates. See [CBC](#) and [TheStar](#)

Not Cancelled - A small hydroelectric project at Bala Falls won't be cancelled as Premier Ford had initially promised because of the steep price of stopping construction. See [HydroWorld](#)

Another Try - Hydro One has announced that it has filed a new application with the OEB to acquire Orillia Power Distribution. See [Newswire](#)

Slow Consultation - OPG says it could be years from concluding the consultation process with the local First Nations on its proposed deep geologic repository project. See [Blackburn](#)

Lambton Cleanup - About \$30 million in demolition work is set to get underway this week at the Lambton Generating Station that was shut down in 2013. See [LondonFreePress](#)

Schneider Electric - EcoStruxure Power SCADA Expert 9.0

EcoStruxure Power SCADA Expert 9.0 (PSO), the latest 'edge control' software addition to IoT-enabled EcoStruxure™ Power architecture is now available, perfect for mission-critical power applications.

healthcare facilities, data centers, and utility networks.

See [Schneider](#) and [Youtube](#).

Be the first in Canada to see it at the [PLUG Conference](#) on October 18.

Did You Know- The History of the Electricity Meter

"The great invention of the nineteenth century was the method of invention".

This maxim from the English mathematician and philosopher Alfred North Whitehead (1891-1947) perfectly applies to the history of the electricity meter, perfected through a series of inventions building on achievements and stimulating further development.

The first half of the 19th century brought brilliant discoveries in electromagnetism from Ampère, Ohm and Faraday. By the second half of the century, the soil was well prepared for practical applications.

For the full history see [SmartEnergyInternational](#)

Features include High-availability control and alarming, Breaker performance capabilities, Continuous thermal monitoring, Energy analysis, Multi-Site Support, and Cybersecurity features. See [Schneider Electric](#) and [MarketsInsider](#)

In a related story, Schneider Electric has announced the latest EcoXpert™ partners in Canada. See [Schneider](#)

ERLPhase - IEDs and a Utility's Digital Transformation

The era of electro-mechanical and solid-state relays is over. New generation microprocessor-based numerical relays are Intelligent Electronic Devices (IEDs) and utilities have replaced or are planning to replace old electro-mechanical relays with new IEDs.

However retrofitting legacy equipment may take a long time due either to investment issues or project complications. Stations require solutions that not only expedite troubleshooting during this transition, but also fulfill current and future requirements for local and wide-area integrated monitoring, recording, data management and system analysis. This technical note outlines how the TESLA 4000's IED can help utilities right from early stages of their digital transformation. See [ERLPhase](#)

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