



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

## What's On

**PowerLogic User's Group (PLUG) Conference on October 18** at the International Centre in Toronto.

This year, we will be launching the **THE NEW 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. The ION 9000 is the most accurate power meter in the world and incorporates some pretty impressive features. Be the first in Canada to see it when it is officially launched on October 18th during the event. See [KnowYourPower](#) for details and to register.

## Ontario News

**New Board** - Hydro One has announced a new Board of Directors, six directors were identified and nominated by Hydro One's ad hoc nominating committee and four directors were chosen by the Province. See [Newswire](#) and [Ontario](#) In a related story, the Ontario government has introduced the Hydro One Accountability Act. See [Ontario](#).

**Judicial Inquiry** - A judicial inquiry into the sale of Collingwood's electrical utility has begun six years after the deal went through. See [TheStar](#) In a related story, the pending sale of Peterborough Distribution to Ontario Hydro is becoming an election issue. See [Global](#) and [HydroOne](#) And the OEB has denied Hydro One its proposed acquisition of Orillia Power see [HydroOne](#)

**10 Year License** - Canada's nuclear safety commission has granted an operating licence to OPG's nuclear station

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ION 9000

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Wind Turbines in the Great Lakes

## Product Spotlight - ION 9000

Schneider Electric has released the ION 9000, the World's Most Advanced Power Quality Meter. The PowerLogic ION9000 is the newest 'connected product' addition to IoT-enabled EcoStruxure™ Power architecture.

As the **world's most accurate meter**, at Class 0.1S, it is 2X more accurate than any other meter on the market, and unlocks significant new possibilities for energy savings.

in Pickering, allowing the facility to operate until 2024. See [TheStar](#) and [DurhamRegion](#)

In a related story, demand from Canada's mining sector could support a fleet of cost-effective small modular reactors, including up to 2 GW of capacity in Ontario's Ring of Fire development, according to OPG. See [NuclearInsider](#)

**Growth Opportunity** - OPG is pursuing expansion in the U.S. with the purchase of Eagle Creek REnewable Energy LLC, its first expansion outside the province. See [TheGlobeandMail](#) and [OPG](#)

**Tesla takes Ontario to Court** - The Canadian arm of Tesla Inc. is claiming it has been treated unfairly in the cancellation of the electric vehicles rebate program. See [TheGlobeandMail](#)

**Offline** - Citing expensive repairs and the ongoing high cost of operation, OPG announced on it would permanently shut down the 55-year-old Thunder Bay Generating Station. See [NorthernOntBusiness](#)

**Blockchain Technology** company BitCity Inc. has entered into a Power Purchase Agreement with TransAlta Renewables to develop an industrial scale crypto-mining and hosting facility at TransAlta's Bluewater Energy Park in Sarnia. See [APPPrO](#)

## Schneider Electric - PLUG Conference Oct. 18

Case studies are often the most popular sessions at our yearly PLUG Conference and this year is no exception. Topics include Campus Energy Management with Penny Jastremski of Carleton University, A look at the differences between certification programs and why we should care with Dave Arkell of 360 Energy, and a discussion on energy programs in Ontario and whether energy Incentives are finished?

For full schedule details see [Know Your Power](#)

## Radian Research - RX Xytronic

Other features include Cyber security readiness, Onboard power quality analysis, Smart power event analysis, and unique, patented ION programmability. See [Schneider](#) and [Youtube](#).

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

## Did You Know- Wind Turbines in the Great Lakes

Aside from a small pilot program along the coast of Finland, offshore wind turbines have not been placed in waters that freeze during winter.

Moving ice can act like a battering ram, pushed by storms and unpredictable currents, knocking into masts that hold up spinning blades. A major test could be coming soon in Lake Erie near Cleveland.

If the six turbines in the Icebreaker Windpower project are built, they could usher in a new era of offshore power in freshwater lakes, rather than salty coastal seas, which has never been done. See [ScientificAmerican](#)

The new RX family of single phase and three phase Power & Energy Reference Standards are smaller, lighter, and have more powerful processing. Radian has introduced five new models to address single and three phase measurement with accuracies ranging from 0.005% to 0.04. The RX's compact design and ability to maintain accuracy specifications over a broad temperature range makes it an ideal solution for laboratory as well as on-site meter testing. See [Radian](#)

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