



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

What's New

Save the Date: This year's PowerLogic User's Group (PLUG) Conference will be held on October 18

Ontario News

Market Closed - California and Quebec have closed the joint carbon market to Ontario, preventing companies from dumping emissions allowances after Premier Doug Ford announced an end to the provincial cap-and-trade system. See [TheGlobeandMail](#)

In related stories, a series of rebates offered through the GreenON programs have been cancelled. See [CTV](#) and [CBC](#) And the solar industry expects more investment to flow to Alberta and the U.S. in the wake of Doug Ford's vow to cut the two programs. See [Simcoe.com](#)

Election Promises - Chris Benedetti of Sussex Strategy Group discusses the outlook for Ontario energy policy following the election of Doug Ford's PC Government. See [APPPrO](#)

Merger goes to OEB - All five municipal shareholders of Veridian and Whitby Hydro have approved a proposed merger of the two companies to create a new yet-unnamed energy corporation. See [Globeandmail.com](#)

Energy Finances - OPG closed a \$450 million green bond issuance on June 22 with the proceeds used to finance hydroelectric projects. See [OPG](#) and [FinancialPost](#)

In This Issue

[Ontario News](#)

Election Promises, Finances and the Toronto Zoo

[Product Spotlight](#)

PQ Pop Quiz!

[Schneider Electric](#)

Firmware V421

[ERLPhase](#)

TESLA DFR for Industrial Applications

[Did You Know](#)

Storage Milestone

Product Spotlight - PQ Pop Quiz!

What is the potential hourly cost of downtime in lost revenue for a facility? Is it:

- \$20,000
- \$260,000
- \$135,000

The answer is B) \$260,000 (according to the Aberdeen Group in 2015).

True or false: 80% of all power quality problems originate on the customer's side of the meter or from within a facility. The answer is True.

In a related story, the Fair Hydro Trust has been lambasted by the province's accounting watchdog and spurned by asset managers who have passed on buying the securities. See [Nationalpost](#)

Rebuilding -Work has begun to reassemble Darlington unit 2. The Candu unit is the first of Darlington's four reactors to undergo refurbishment to enable it to operate for a further 30 years. See [WorldNuclear](#)

In a related story, Canadian Nuclear Safety Commission staff are recommending OPG receive a license extension to operate its Pickering power plant for another 10 years but the commission will make the final decision. See [Durhamregion](#) and [Nationalpost](#)

Toronto Zoo Biogas Plant - ZooShare and the Toronto Zoo celebrated delivery of the engine for a biogas plant that will generate electricity from zoo poo and food waste. See [RenewableMag](#)

Electric buses - The TTC has ordered ten forty-foot, electric heavy-duty transit buses, with an option to purchase up to 30 more over the next two years. See [newswire](#)

Schneider Electric - Firmware V421

After working with the IESO on the most recent ION 8650 firmware V004.021.000 (aka V421), this new firmware is now both IESO and Measurement Canada approved.

All ION 8650 meters will ship with the new V421 firmware as default IESO meter configuration.

See [Schneider](#)

ERLPhase - TESLA DFR for Industrial Applications

Fault recording has been used for decades and is generally used for two main purposes: recording of system events and monitoring of system protection performance. A TESLA recorder can collect data related

This next question is one that only you can answer. How high is your Power Quality (PQ) IQ?

The good news is that you can elevate your PQ IQ. It could be urgent for your facility's reliability and efficiency. For full blog post see [Schneider](#)

Did You Know- Storage Milestone

Tesla has announced a new milestone: Since 2015, it has installed a worldwide total of a gigawatt-hour of energy storage—technology that is critical for using renewable energy at scale.

For comparison, that's nearly half of the entire amount of energy storage installed globally last year. As the company's electric car business quickly grows, the energy side of its business is growing even faster. See [FastCompany](#)

In a related story Internal documents reviewed by Reuters show Tesla's plans to shutter 13 or 14 solar installation facilities. See [UtilityDive](#)

to electrical faults, power swings, harmonics, reactive power flow, power factor, sag and swell and many other power quality issues. The ability to collect and record time synchronized events can provide the user with information to determine exactly what happened. See [ERLPhase](#)

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