



Welcome to the November 2016 issue of the Langford newsletter bringing you product updates and the latest in the Ontario Electricity Industry.

What's On...

Thanks to everyone who came out for the 10th Anniversary PLUG Conference. It was our biggest event yet. We couldn't have done it without you.

Make your life Simpler and Safer at the 2016 Protection & Control Seminar on November 3 at the Mississauga Schneider Electric headquarters. See [Schneider](#)

Ontario News

Refurbishments Begins - Starting October 14, the first nuclear unit at the Darlington Generating Station will be taken offline so that OPG can begin work to remove, replace and repair the critical components in each reactor. A megaproject OPG believes it can complete on time and on budget. See [Ontario](#) and [TheStar](#)

In two connected stories, Ontario has signed a seven-year hydroelectric power purchase deal with Quebec for the time while repairs are made to the Darlington plant, see [Ontario](#) and Bruce Power has signed a framework agreement with SNC-Lavalin for work worth up to \$400 million as it prepares for a major program of reactor refurbishment. See [WNN](#)

\$25 Million Penalty - Offshore wind power remains dead in the water despite the \$25 million a free trade tribunal awarded a U.S. company for a stalled project in Lake Ontario. See [TheStar](#)

Tax Break from Wynne - Premier Kathleen Wynne's government will be all ears if Mayor John Tory asks for

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Product Spotlight!... The ACC, A High-Peaking facility

Last week at the 10th annual PLUG Conference, Paul Gillette of MLSE gave attendees a brief look into what it takes to manage the electricity use at the Air Canada Centre (ACC) in Toronto. The ACC hosts up to 200 events per year including Leafs and Raptors games plus music concerts (BTW - KISS concerts have phenomenal power requirements).

tax concessions to expedite the sale of Toronto Hydro. But no such formal request has come. See [TheStar](#)

Cancellation Fallout - Wind farms across the province have been stalled after the cancellation of the Large Renewable Procurement by the Liberal Government. See [OSTimes](#) and [MFConfederate](#)

No Role for OEB - A paper from the Mowat Centre examines the possible role of the OEB in the governance of rate-regulated utilities. The conclusion of the paper is that the Board should have no such role. See [Mowat](#)

Passing Legislation - On October 19, Ontario passed legislation that will rebate the provincial portion of the HST from electricity bills as of January 1, 2017 See [Ontario](#) For the story on the Energy Minister's refusal to reveal the cost of the rural rate subsidy see [Global](#)

\$80 Million - The IESO has reported a 'previously unrecognized loss' of \$80 million after a change in accounting practices. Progressive Conservative researchers discovered the loss in the public accounts. See [TheStar](#)

Homegrown Battery - The Centre for Urban Energy at Ryerson University has joined with Toronto Hydro to test a homegrown battery system in the heart of the city, the first time this kind of research has been conducted in an urban setting. See [Ryerson](#)

Schneider Electric Killer Apps in PME

At the PLUG conference last week, Andrew Muir of Schneider Electric, presented 'Killer Apps in PME,' a look at a few of the customized Modules available with PME.

Energy Billing Module

Provides cost allocation for all WAGES.

Generator Performance Module

Automatically records & documents the backup Generator System Test

Breaker Performance Module

MLSE initially leveraged the monitoring data available through its ION meters following a request for power quality information during a Microsoft convention. Since then they have leveraged the data to track costs and provide budgeting forecasts for the high peaking facility.

Gillette currently has five years of data and has seen the base load of the facility increase over that time due to the increase in electricity intensity. With an improved awareness of what is causing the peaks in consumption, Gillette is able to use the data to justify energy saving projects to management. See [Langford](#) for full presentation.

Did You Know... Renewables put Australia at Risk

South Australia was warned in late September to prepare for an extended loss of electricity in the wake of wild weather.

During a 'near miss' event in July, the state government brought pressure to bear on a local power company for an idled power station to be restarted to avoid potential disruptions, following a lack of electricity generated from wind and solar sources at a

Displays the age and wear on breakers defined in the system.

time when it was unable to "import" sufficient supply from Victoria.

For full details on all Modules see [Schneider](#)

ERLPhase - TESLA 4000

ERLPhase has consolidated the TESLA Model 4000 and Model 4003 into a single model to provide better service and upgrades to all customers, and to continue to cater to different customer needs.

The most recent event will trigger renewed debate over the state's heavy reliance on renewable energy which has forced the closure of uncompetitive power stations, putting the electricity network in South Australia under stress. See [SidneyHerald](#)

TESLA 4000 is a state-of-the-art, multi-time frame (simultaneous) power system monitoring recorder. Its integrated Phasor Measurement Unit functionality streams synchrophasor data for wide area monitoring. Enabled with IEC 61850 protocol, TESLA has advanced communication capabilities that, together with its recording features, provide the most versatile and complete monitoring of power system health. See [ERLPhase](#)

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