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Know Your Power

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

What's On

Join us at Energy Summit 2018, May 30-31 in Vaughan. Maximize Profitability through Energy Performance with more than fifty subject matter experts presenting.

<http://www.energy2018.ca/>

Visit us! at the EDA Upper Canada District Metering Technologies Conference hosted by Utilities Kingston on May 23 & 24. Contact [Rick Boehme](#) for details.

Ontario News

No Harm - The OEB has rejected Hydro One's application to purchase Orillia Power Distribution since it was not satisfied the 'no harm test' had been satisfied. See [Global](#) Orillia's Mayor says an appeal is possible. See [Simcoe.com](#) In a related story, Peterborough Distribution has resumed purchase negotiations with Hydro One. See [Global](#)

Worth the Cost - The province's environmental commissioner's report *Making Connections: Straight Talk about Electricity in Ontario* says the government won't meet its greenhouse gas reduction targets without serious changes and that the LTEP doesn't obey the provincial climate laws. See [TheStar](#) and [CTV](#)

SMRs - Canadian Nuclear Laboratories has issued an invitation to Small Modular Reactor project proponents who wish to participate in the evaluation process. See [CNL](#) In a related story, the use of SMRs for remote communities and mines in northern Ontario will be studied

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Product Spotlight - Fast ROI with PMS

Managers at Oracle Corporation, the software giant based in Redwood Shores, CA, were searching for a high-performance, high-quality electrical distribution system.

Oracle wanted reliability, efficiency, safety, and support for their customers.

They were able to find a solution with Schneider Electric's EcoStruxure, an open, interoperable, IoT-

following an MoU between Bruce Power, Laurentian University and Mirarco Mining Innovation. See [WNN](#)

Protections in Place - Hydro One changed executive severances last year to include a provision that penalizes government intervention in the partially privatized utility. See [TheGlobeandMail](#) and [CBC](#) In a related story, Doug Ford says his first act will be to fire the CEO of Hydro One and its Board of Directors see [Global](#)

Quebec-Ontario Deal - The Financial Accountability Office estimates that the Electricity Trade Agreement between Ontario and Quebec will lower the cost of electricity paid by Ontario ratepayers by \$38 million from 2017 to 2023. See [FAO](#)

License Renewal - The hearing for OPG's application to the Canadian Nuclear Safety Commission to renew the operating licence for Pickering Nuclear Generating Station started in early April. See [OPG](#) and [TheStar](#) In a related story, Durham region is asking for compensation for the storage of nuclear waste at Darlington and Pickering Generating Stations "until such time as nuclear waste is stored in a permanent nuclear waste site." See [OshawaExpress](#)

Coming in 2019 - Ontario is launching a new pilot program to test electric battery-powered buses on Brampton and York Region streets. See [Ontario](#)

Student Works Placement Program - EHRC announced its "Empowering Futures" program designed to create up to 1000 new jobs for post-secondary students in the electricity sector over the next 4-years. See [electricenergyonline](#)

GridEx IV - The results and recommendations from NERC's fourth biennial grid security and emergency response exercise, GridEx IV, have been released. See [NERC](#)

Product Spotlight - Global Adjustment Solution

enabled system architecture and platform.

Let's look at the alliance of Oracle and EcoStruxure Power Monitoring Expert and PowerLogic advanced meters. See [Schneider Electric](#)

Did You Know- Vehicle-to-Everything Charger

Engie, Hitachi and Mitsubishi Motors have partnered on a pilot demonstrating how electric vehicles can be used to optimise building and grid energy management.

The pilot was implemented in Zaandam, Netherlands and included linking a vehicle to everything (V2X) charger to an office building owned by Engie.

The V2X was connected to the building's energy supply systems, the main grid and an onsite solar generator.

The integration allowed excess energy generated from solar to be stored in the battery of the electric vehicle.

See [Metering.com](#)

The latest version of the Schneider Electric Global Adjustment solution for large energy users in Ontario is focused on class A users who are participating in the Industrial Conservation Initiative (ICI) which is offered by the IESO.

As the ICI moves to include smaller electrical utility users (500KW to 1MW) and above, this solution is aimed squarely at accommodating the need for a reliable and economical solution to help customers take advantage of the incentives offered by the new program. See [Schneider](#)

ERL Phase - TESLA DFR for Industrial Applications

Fault records are one of the most important pieces of evidence that event analysts can have during system event investigations. Proper use and interpretation of event records can lead to corrective action for a given system problem resulting in improved performance and reliability of any generation, transmission and distribution system. For the full application note on the benefits of TESLA DFR for industrial applications see [ERLPhase](#)

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