



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

What's On

Schneider Electric is holding two training courses this spring in Mississauga.

- [ION Meter Programming for Technicians](#), April 23-24
- [Power Monitoring Fundamentals](#), April 25-27

Note: It is important that customers register for the course online even if a P.O. has been issued.

Radian Research is hosting the Electric Energy Metrology Workshop on May 22-23 in Lafayette, Indiana. For agenda and to register see [Radian](#)

Ontario News

Excessive Costs - OPG must cut \$500 million over the next five years from its nuclear operations budget after the OEB took issue with compensation, corporate and administrative costs. See [CBC](#). In a related story, Ontario has updated its nuclear emergency plan for the first time since the 2011 Fukushima disaster. See [TheStar](#)

Further Consultation- OPG will consider additional public meetings on its plan to permanently dispose of nuclear waste at its Tiverton site where it currently stores irradiated material from the Bruce Power, Pickering and Darlington reactors above ground. See [ShorelineBeacon](#)

Extra Capacity- Two natural gas plants that replaced the plants axed in Mississauga and Oakville before the 2011 election are back on the radar as critics question the need for them. See [TheStar](#)

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DFR for Industrial Applications

Product Spotlight IoT and Asset Performance Mgmt

All indications are that the number of digitally-enabled industrial devices is growing dramatically.

CISCO projects that more than 50 billion things will be connected to the internet by 2020, resulting in more traffic, more data, more storage, and more energy consumption.

As an example of how increasing digitization might improve plant operations, consider the example of

Salary Cap - Mayor John Tory's executive committee voted to ask city staff to look at capping Toronto Hydro executive salaries and that of other city agencies boards and commissions See [TheStar](#)

Turbine Noise - Citizens living near five proposed wind turbine parks in Ontario have launched a lawsuit alleging the provincial government is allowing the companies behind the projects to defy safe noise limits. See [CBC](#)

Share Sale to First Nations - The Province has completed the sale of 14,391,012 common shares of Hydro One Limited to a limited partnership owned by 129 First Nations in Ontario. See [newswire](#)

Charging EVs - Ontario is making it easier to use electric vehicles to get to and from work by assisting employers, commercial building owners and managers to install charging stations at their workplaces. See [Ontario](#)

Mine Recognized - Goldcorp is aiming to electrify an entire mine with its new Borden Gold project southwest of Timmins. It wants the underground mine to be all-electric by 2021 — a Canadian first. See [RenewableEnergy](#)

Product SpotlightHV System Upgrades and Video

At the PLUG in October, James Mann of Thunder Bay Hydro discussed the upgrades they made to their high voltage system and the unique requirements of the changes. Solutions included conforming meters, relocating meter components, and installing new ITs. TCP-IP was installed to improve communications and allow them to manage connections with the IESO. For details of some of the wiring, installations, integration and communications challenges and the respective solutions see [Langford](#).

On a different note, the latest Schneider Electric [Youtube](#) video gives an overview of the Ecostruxure platform

ERLPhase DFR for Industrial Applications

improved communications between drives and pumps. See [Schneider Blog](#)

Did You Know Funding Smart Grids

The government of Canada, through the Ministry of Natural Resources, has announced \$100 million in funding towards the development of smart grids.

The funds are being sourced from a \$21.9 billion 2017 budget set aside for the development of smart energy infrastructure through the Pan-Canadian Framework on Clean Energy and Climate Change.

The Ministry of Natural Resources will use the \$100 million to fund smart grid solution providers and projects to demonstrate their solutions and business cases. See [Metering.com](#)

Fault records are one of the most important pieces of evidence that analysts can have during system event investigations. They can provide the reasons for premature equipment failure, supply waveforms and the status of equipment behavior during an event, and give necessary information to perform post-fault event analysis. For the full white paper on the benefits of TESLA Digital Fault Recorder for Industrial Applications see [ERLPhase](#)

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