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Know Your Power

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

What's On

The Woodward Technology Seminars on **Distributed Power Generation and Compression** will be held May 5-6 in Toronto. Prof. Engineers can earn 6 Professional Development Points per day. For details and to register see [Woodward](#)

The **EDA Upper Canada District Metering Technologies Conference** will be held in Ottawa May 25 & 26 with Hydro Ottawa the host utility. Contact andywilson@hydroottawa.com for details or to register.

Ontario News

A Second LRP -Ontario is launching a second phase of the competitive Large Renewable Procurement process with a Request for Qualificationsto be issued August 1, 2016 for 930 MW of renewable energy. See [Ontario](#)

In a related article, for readers interested in how the new procurement process has affected energy prices, see [Gowlings](#).

More Studies - OPG plans to complete further studies on its proposed deep geologic repository for low- and intermediate-level nuclear waste following a request from federal Minister of the Environment and Climate Change Catherine McKenna. See [OwenSound](#)

In a related story, the Nuclear Waste Management

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Product Spotlight!... Firmware version 2.3.0

The release of firmware version 2.3.0 for the PowerLogic **PM5560 and PM5563** meters now supports communications using the BACnet/IP protocol that allows communications over Ethernet between the components of a building automation and control system.

Other release features include the ability to include

Organization is looking both for an ideal site and an "informed and willing host" where it can store all of Canada's highly radioactive fuel bundles, permanently, in one underground vault. See [LondonFree](#)

A Second Offering - In a second offering of Hydro One shares in early April, the Province offered 72,434,800 common shares at \$23.65 per share for total gross proceeds of approximately \$1.7 billion. See [Ontario](#)

Loopholes - Residents of a Southwestern Ontario township are learning the support of six Ontario First Nations communities - more than 1,000 kilometres away, some not even in the same time zone - helped give a Chicago-based energy giant an edge in its winning bid to build the unwanted wind farm. See [NationalPost](#) and [lfpres](#)

microFIT Suspended - On April 25, the IESO announced a temporary suspension of the microFIT Program due to irregularities within the application process. See [IESO](#)

Breathing Easier - The Federal Court of Appeal unanimously dismissed a judicial review of the environmental assessment of the \$12.8-billion Darlington nuclear refurbishment project. See [TheStar](#)

Charges Laid - The Ontario Energy Group and its director have been charged with 142 counts of violating the Consumer Protection Act following a provincial investigation into hundreds of customer complaints against the door-to-door sales firm. See [CBC](#)

Reducing Outages - Hydro One announced it will invest \$20M this year in the Districts of Muskoka and Parry Sound to reduce tree-related outages for its customers. In 2015, fallen trees from severe weather caused more than 400 outages. See [CTV](#)

Schneider Electric End of Commercialization

Due to component obsolescence the EGX100 / TSXETG100 and EGX300 from Schneider Electric are being withdrawn. The end of commercialization date for EGX300 is June 2016 with current users being able to

the last demand values in the data log and configure the meter's data log to include the last demand values for active, reactive and apparent power; enabling and disabling of the QR code feature and the addition of a new QR code; and power factor in IEC and lead/lag format to facilitate importing power factor information from the meter into third-party software. See [Schneider](#)

Did You Know... Under Attack

Last year's simulated attack on the North American electric grid revealed the significant progress the industry has made to harden assets and reliability against either a physical or electronic threat, but also revealed a number of points where improvements can be made, according to the North American Electric Reliability Corp.

NERC issued a [report](#) calling for improvements in communications, including upgrading the Electricity Information Sharing and Analysis Center (E-ISAC) portal and enhancing coordination with law enforcement. More than 4,400 individuals from 364 organizations across North America participated in the simulated attack in

transition to the Com'X 510. For the EGX100 / TSXETG100 the end of commercialization date is December 2016 with the Link150 recommended for substitution. After these dates the EGX100 / TSXETG100 / EGX300 will no longer be available

Note - The last time buy date for the **PM800** series meters is June 30, 2016.

Basler - DECS

Basler Electric has supplied innovative products for more than 50 years to the Hydro Industry, including the full line of Digital Excitation Control Systems to control synchronous generator and motor applications ranging from 0 to 10,000 A dc of excitation current. Basler also manufactures a full line of multifunction Protection Systems, Genset Controls and Automatic Synchronizers for a variety of applications. See [Basler](#)

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November, and the analysis of the event also concluded more planning time is necessary before GridEx IV is run. See [Utility Dive](#)