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Know Your Power

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

What's On...

The Annual PowerLogic Users Conference (PLUG) will be held on October 27, 2016. Presentations will include energy management, case studies, government incentives, and power quality metering. See [Langford](#) for preliminary agenda and to register. This is a **free event**.

Ontario News

Differing POVs on Electricity Prices - [Huffington post](#) says electricity prices are at a decades low, while bills are at their highest. The [Financial Accountability Office](#) compares Ontario's energy costs to other provinces, and [TVO](#) takes a broader look at the source of the costs.

In a related story, more than eight per cent of Ontario households were in arrears with their electricity bills at the end of 2015, owing more than \$172.5 million. See [TheStar](#) For the data from all LDCs see [OEB](#)

Stemming the Tide? - A coalition has formed to stop the sale of Peterborough Distribution Inc. and city council has voted against a referendum on the issue. See [Examiner](#) and [Examiner](#). In a related story, Hydro One purchases Orillia Power Distribution Corp. See [Orillia](#)

Less than Projected - The cap-and-trade program Ontario's set to join next year is having big trouble in California and Quebec, and it could mean Ontario's much-heralded \$8.3-billion Climate Change Action Plan has far less money to spend in reality. See [OttawaCitizen](#)

Side Stepping - Fifty public interest groups from Canada and the US have sent an open letter to the federal

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Product Spotlight!... New GHG Regulation

Ontario has filed a new Quantification, Reporting, and Verification of Greenhouse Gas Emissions (GHG) Regulation to support implementation of Ontario's cap and trade program.

By law, you must prepare and submit a report if your activity (or activities) releases 10,000 tonnes or more of GHGs in a year or exceeds another reporting threshold listed in the table and GHGs come from particular activities

minister of the environment regarding signals from OPG that the utility intends to once more side-step information requirements related to a proposal to bury nuclear waste beside Lake Huron. See [Manitoulin](#) and [Blackburn](#)

Connection Closer - The Liberals have named Wataynikaneyap Power as the transmission company that will connect Ontario's remote Northern communities to the provincial power grid, a \$1.35-billion project. See [CBC](#)

Plant Opening - The 18.9 MW Gitchi Animki hydroelectric plant in White River, that includes two generating stations, opened early in August. The plant's facilities replace an old Ministry of Natural Resources and Forestry regulating dam. See [HydroWorld](#)

Map of Electricity System - The IESO has developed an interactive map illustrating the many components that make up Ontario's energy system. See [IESO](#)

Record Beat - British utility firm EDF Energy has set a world record for continued operation at its Heysham 2 power plant. The previous 894-day record was held by Pickering 7 owned by OPG. See [Kallanish](#)

Schneider Electric PowerLogic EM4300 & Karl's Corner

A **new addition** to the Schneider Electric metering hardware portfolio is the PowerLogic **EM4300** wireless range. It is designed to retrofit existing switchboards, and enhance energy efficiency of buildings that have been in operation for many years by monitoring energy consumption to detect potential savings and monitoring operation of the electrical system to optimize service to the building occupants. See [Schneider](#)

For those looking to **better understand** Energy and Demand watch the Karl's corner video at [Schneider](#).

GridSense - Fault Location and Cause

The LineIQ from GridSense monitors overhead network lines up to 138kV, to allow quick determination of fault

identified under the reporting regulation.

The Regulation and incorporated Guideline will take effect January 1, 2017 and applies to activities by persons on and after January 1, 2017. Ontario Regulation 452/09 under the Environmental Protection Act will be revoked after all reporting under it is complete. See [Ontario](#)

Did You Know... One Smog Day in 2016

Despite the string of scorching days, Toronto has only recorded one smog event this summer — a three-hour air health advisory on June 18.

"For comparison, there were 53 smog days in 2005 and no smog days issued in 2014 or 2015," said Gary Wheeler, a spokesman for the Ministry of Environment and Climate Change.

Common air pollutant concentrations have dropped over the past 10 years, a 31% decrease in fine particulate matter and a 42% decrease in nitrogen dioxide, Wheeler said.

While the Ontario Liberal government credits its

location and cause, and quick restoration of power along with prevention of future outages.

At the system's heart is an innovative, self-powered sensor easily installed on energized lines. The sensor enables continuous capture of critical performance data.

Advanced fault detection is available out of the box, and can be upgraded to more intelligent monitoring capabilities via a simple firmware download. See [GridSense](#)

shuttering of coal-fired plants, Drive Clean and electricity conservation for the reduction, others point to a shrunken manufacturing sector that puts less demand on the electricity system, traditionally a large source of air pollutants. See [TheSun](#)

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