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Know Your Power

Happy Canada Day! We're proud to be part of this great country.

What's New

Save the Date: This year's PowerLogic User's Group (PLUG) Conference will be held October 19.

Ontario News

Hydro One Controversy - Costs at Hydro One are being cut in the 10s of millions of dollars since the provincial government started its partial privatization of the corporation according to its CEO. See Hamilton In a related story, in a malfeasance suit filed in December CUPE called Hydro One a "vital asset" the government has "no mandate" to sell. The lawyer for the Crown contends the government is entitled to sell it. See TheStar In another story, there is opposition across the province to Hydro One's requested rate increase. See CBC

One Step Closer - Federal authorities say they are satisfied OPG has provided the additional information they had asked for about the Deep Geological Depository. See Globe&Mail In a related story, OPG has received a 10-year extension of an operating licence for its Western Waste Management Facility. See Bayshore

First Link - The federal government has approved of the NEB's decision to issue a certificate for the Lake Erie Connector project that runs from Nanticoke in south western Ontario to a terminus near Erie, Pa. See Newswire

New Rules - A new regulation for net metering came into force on July 1. The most relevant aspect of the new rules is the elimination of limit size of 500 kW for solar and renewable energy power generators installed under the scheme. See pv-magazine and OEB

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Product Spotlight! Mitigating Risk with PMS

Because electricity is a key commodity for business it represents significant financial risk. Still, many power management systems remain isolated and separate from the rest of hte business enterprise.

The result is poor access to incomplete information, with only limited knowledge of risk exposure. An integrated, comprehensive power management system that includes metering, software, and power quality mitigation equipment offers the most

Northern Support - The province is providing support for large and industrial businesses in the north through the improved Northern Industrial Electricity Rate (NIER) program. See [Ontario](#)

Green Schools - Premier Wynne and Education Minister Mitzie Hunter announced that $200 million from the province's cap and trade program will go towards making schools in the province more energy efficient. See [CBC](#)

Battery Power - With its partners, Festival Hydro has announced the largest battery storage facility in Canada, marking the first step towards creating a micro-grid in Stratford. See [Beacon](#)

Pole Storage - Toronto Hydro is testing pole-mounted energy storage devices that can supplement electricity during peak hours in homes, in what it says is a world first. See [TheStar](#)

Schneider Electric Secure Deployment Lifecycle

As the threat of cyber security attacks and product exploitation in today's digital world increases, so does the customer's need for more secure products.

Schneider is taking the initiative to deploy Secure Development Lifecycle (SDL) practices in our products and offerings. SDL is a development process that helps build more secure offerings and addresses security compliance requirements. See [Schneider](#)

Basler Electric ES-55 Power Factor Relay

The ES-55 Power Factor Relay protects synchronous motors from damage during increased loading or decreased excitation conditions. The ES-55 incorporates microprocessor-based technology and has enhanced functionality and improved performance over analog-based systems. In the unlikely event of an internal issue, the ES-55 provides internal diagnostics that annunciate when relay function or accuracy is compromised. See [Basler](#)

holistic, systems-based approach to managing this risk exposure.

See the full white paper on [Mitigating Risk using Power Management Systems](#)

Did You Know Malware

News of nuclear cyberattack attempts in the U.S. broke last week as a wave of ransomware attacks was spreading across parts of Europe. The new attacks shut down decommissioning operations at the Chernobyl nuclear site, though officials said there were 'no indications' the malware targeted North American power operations. See [UtilityDive](#)

In a connected story, Metering.com has reported on the news of the Crash Override virus and that the Ukraine power outage of 2016 may well have been a test run for a larger attack.

Tthe European Network for Cyber Security said that the malware framework,, "does not infect embedded industrial equipment. It targets Windows systems in the SCADA control centre and in the substations that have access to mission critical devices, such as RTUs and protection relays that control switches and circuit breakers." See [Metering.com](#)

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