

Happy Canada Day! Welcome to the July issue of the Langford newsletter

## Mark Your Calendar”

PowerLogic Users Conference (PLUG)  
October 17, 2104  
International Centre, Toronto

## Ontario News

**Copper Theft** - Recently, Member of Parliament for Esquimalt – Juan de Fuca, Randall Garrison introduced a Private Members Bill that aims to amend the Criminal Code of Canada so it accurately reflects the severity of copper theft from critical infrastructure. See [CEA](#)

**Billing Practices** - The OEB wants to ensure that billing practices by all distributors in Ontario meet customer needs and expectations as well as their preferences for more frequent updates on their energy use. It is considering policies related to billing practices for all regulated natural gas and electricity distributors to help meet these objectives. See [OEB](#)

**Passing Grade** - Highrise apartments and condominiums need far bigger backup power systems in case of extended power outages, says the chair of the panel that studied

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Toronto Hydro's response to last December's ice storm. The panel gave Toronto Hydro a passing grade for its performance during the storm. See [The Star](#).

**Hold Point** -The Canadian Nuclear Safety Commission approved OPG's request to remove the regulatory hold point for the Pickering Nuclear Generating Station. The removal of the hold point authorizes OPG to proceed with operation of the Pickering NGS beyond 210,000 Equivalent Full Power Hours. See [OPG](#)

**LEED in Canada** - The USGBC says that Canada now stands as the largest international market for LEED green buildings and boasts more square meters of LEED-certified space than any other nation outside the U.S. The organization's report on Canada, [LEED in Motion: Canada](#), offers full accounting of all LEED activity in the country.

**GOODcoins** - Newmarket-Tay Power Distribution launched engaging Newmarket, a conservation program that lets consumers save electricity at home, earn rewards and spend those rewards to buy equipment for the local hospital, Southlake Regional Health Centre. It is the first city in the world to link a conservation program with a social currency, GOODcoins, to turn electricity savings into real community benefits that consumers can select. See [electricenergyonline](#).

## Product Spotlight! - HighV Camera

The HighV Camera from GridSense enables safe, non-intrusive, close-up inspection of high voltage assets without requiring an outage. Insulated for use around energized power networks, HighV wirelessly streams high-resolution video to a hand-held tablet for one-touch still image or video image capture.

The HighV is attached to an insulated hotstick and is fully protected within a weatherproof, rugged housing for safe inspection of everything from live overhead lines to underground vaults. It can be used to examine contacts and connections, read name plates on installed equipment, speed-up fault finding and root cause analysis, and monitor

## Schneider Electric Power EGX300

The EGX 300 is an integrated gateway server that provides entry level energy management in a box. It requires only a web browser and ethernet network to log and display real-time data and trend plots from up to 64 PowerLogic system devices, including other gateway devices on the same network.

- Use an internet browser to view real time data and basic energy consumption data stored onboard;
- Utilize the Ethernet gateway functionality with any PowerLogic software for extensive data analysis;

See [Schneider](#)

## Basler Electric Synchronous Generator Controller

The SGC-250 Synchronous Generator Controller is the next generation of prepackaged excitation systems utilizing Basler's DECS-250 Digital Excitation Control System as the heart of the control system.

The system is preconfigured to adapt to a wide variety of installations including existing or new cubicles. With the DECS-250's enhanced capabilities, precise generator voltage control can be obtained. The option to

gauges, meters and levels. For video see [GridSense](#)

## Did You Know... NERC CIP Compliance

The NERC Critical Infrastructure Protection standards Version 5 represents the first major change in requirements and approach since its predecessor, Urgent Action Standard 1200, was approved more than a decade ago. The most notable change is the tiered impact rating system, which classifies bulk electric system (BES) Cyber Systems into High, Medium, and Low categories. This approach results in all cyber assets that could impact BES facilities being in scope for the CIP standards.

Because the standards become effective less than two years from now and cover so many more facilities than previous standards (in

include an integrated BE1-11g Generator Protection System into the SGC-250 design consolidates control and protection into one compact prewired and pretested solution for easy installation into a new or existing enclosure. See [Basler](#)

version 5, all generating plants that meet the BES definition will be in scope), now is the time to become thoroughly familiar with the latest version to ensure the reliability of the system we all depend upon. See the special report from [Power Magazine](#)

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