

Welcome to the October 2014 issue of the Langford newsletter bringing you news from the Ontario Electrical Industry and Product Updates.

Ontario News

Merger Expected - Energy Minister Bob Chiarelli has advised the chairs of the OPA and the IESO to say he expects, subject to government approval, the merger of the two organizations will come into effect on January 1, 2015. In late July, the Legislature passed the government's budget, which contained the merger proposal. See [OPA](#)

Rock Solid - OPG believes it has a rock-solid case for burying nuclear waste at the Bruce nuclear plant near Kincardine. OPG plans to entomb low- and intermediate-level nuclear waste in a thick layer of limestone 680 metres underground. See [Toronto Star](#) and [Toronto Sun](#).

New IEI - The OPA is accepting applications from a wider range of Ontario industries for incentives to invest in new facilities or expand existing ones under Stream 3 of the Industrial Electricity Incentive (IEI) program. Applications will be accepted until November 10. See [OPA](#).

All Things FIT- The OPA is ready to offer 500

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new renewable energy contracts under the FIT 3 program, representing 123.5 MW of power. See [OPA](#). The Minister of Energy has directed the OPA to extend the FIT 3 procurement by allocating up to 100 MW to Eligible Applicants provided there is available connection capacity. See [OPA](#).

Retrofit Updates - The OPA has announced updates to the saveONenergy RETROFIT PROGRAM that provide additional financial incentives for Ontario businesses to reduce energy used by lighting, HVAC systems, refrigeration systems and building plug loads. See [OPA](#)

Scorecards - The new scorecards for Ontario's electricity distributors for 2013 have been released. The scorecard measures how well Ontario's utilities are performing each year. See [OEB](#).

In a related article, LDCs have been provided with the draft Conservation First Framework Tool Kit. A set of rules, guidelines, and tools based on elements the LDCs indicated they needed to develop conservation plans for 2015-2020. See [OPA](#).

Largest Biomass - Ontario is now home to North America's largest power plant fuelled completely by biomass. The Atikokan Generating Station conversion is complete and the station is now generating electricity.

Product Spotlight! – '50 for 50'

The Gridsense '50 for 50' Distribution Automation Pilot Program is a great value for Electric Utilities wanting to start a Distribution Automation program with the Transformer (TIQ) "health" monitoring capabilities. It is designed for three types of customers: Those that want to look at expanding on their existing Smart Grid AMI deployments for Distribution Automation; those that do have an existing Smart Grid AMI deployment but want to have a separate Smart Grid system for Distribution Automation and other purposes; and those who do not have AMI, but need Smart Grid benefits like distribution automation and many other facets and want to pilot a backbone / starting point to help build out their Smart Grid. Contact [Langford](#) for details.

Did You Know... Squandering Energy

See [Ontario](#) and [Biomass](#).

Funding Grant - Ontario Energy Minister Bob Chiarelli has announced a funding grant of \$182,000 from the OPA Conservation Fund for a Technology Demonstration project. RetroSAVE, an adaptive product, reduces home energy costs while at the same time enhances overall heating and cooling comfort throughout the home. See [ASE](#) and [Ottawa Sun](#)

Schneider Electric - PLUG Agenda

The **agenda** has been released for the annual **PLUG Conference** to be held on October 17 at the International Centre. The key note speaker for this year's event is Adam White of the Association of Major Power Consumers in Ontario. Break-out session topics include:

Case studies: ArcelorMital Dofasco, Bonduelle, the Region of Peel, W Abrasives, and IBM Canada.

Product and Application sessions - business case for EMS, critical power, power quality, leveraging the ION 8650, PowerSCADA, and commissioning solutions for small power monitoring installations among others.

A metering and software demo will be offered all day with an ION Designer Primer in one of

U Much of the massive amounts of electricity that data centers devour to support business and online activity is being wasted running computer servers doing little or no work most of the time, according to a new report from the international nonprofit Natural Resources Defense Council (NRDC). Improved energy efficiency practices could reportedly cut energy waste by at least 40%, saving over \$3 billion annually in the U.S.

"Most of the attention is focused on the highly visible hyperscale 'cloud' data centers like **Google's** and **Facebook's**, but they already are very efficient and represent less than 5% of U.S. data center electricity consumption. Our small, medium, corporate, and multi-tenant data centers are still squandering huge amounts of energy," said Pierre Delforge, NRDC director of high-tech

the afternoon sessions. For details see [PLUG](#).

energy efficiency. See [NRDC](#)

BASLER - Consolidation

In an effort to increase reliability and offer cost-effective solutions for its customers, Basler Electric has consolidated the number of components that perform both voltage matching and speed control for automatic synchronization of generators. This function has been integrated into several products that primarily provide excitation control and/or system protection. Basler's [DECS-250](#), [DECS-250N](#), [DECS-2100](#), and [BE1-11g](#) can easily be configured for auto-synchronization. See [Basler](#)

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