



LANGFORD & associates incorporated

Manufacturer's Representatives for Ontario's Power Industry

Welcome to the November e-newsletter from Langford & Associates, providing you with product updates and the latest news from Ontario's electricity sector.

In this issue...

[Ontario News](#)
[Product Spotlight](#)
[SchneiderElectric](#)
[Triacta](#)
[Basler](#)
[Did You Know...](#)

[Holidays, Restructuring and the Tunnel](#)
[Calculating GHGs](#)
[New Features](#)
[Tenant Metering Approval](#)
[Sensitive Earth Fault](#)
[Carbon Capture and Storage](#)

What's On

The EDA Niagara Grand & Western Districts Metering Exhibition and Workshop will take place November 18-19 at the Holiday Inn in Burlington. For full agenda see www.langford-assoc.com or to register contact aelwood@brantford.ca

Ontario News

Thank you all for attending the annual PowerLogic ION User's Conference held in Toronto on October 23rd. We look forward to seeing you next year on October 22, 2010.

Permanent Holiday - Because of the chilling effect that transfer tax could potentially have on combination or consolidation among LDCs in Ontario, the provincial government introduced a series of "holidays" from the transfer tax, the first in 2000, and subsequently in 2003, 2005, 2006 and 2008. The express aim of the government was to encourage consolidation in the LDC sector. In each case, the holiday allowed for an exemption from transfer tax for transfers between MEUs (and including, in later versions, municipal corporations). In each case, the "holiday" came with a sunset period. With this latest amendment, the sunset period has been removed. Also removed was the requirement contained in some earlier "holiday" provisions to submit an application for approval of the transfer to the Ontario Energy Board. For full report see www.gowlings.com

Restructuring - The Government of Canada has received and begun to review a financial analysis report from N.M. Rothschild and Sons Limited on the restructuring of AECL. The financial analysis and advice contained in this report will be key in informing the next steps in the AECL restructuring process. No decision has been made at this time as to the specific form the restructuring will take and we continue to listen to the views of nuclear stakeholders as we develop a plan to move forward. The report will not be made public due to commercial confidentiality considerations. For full press release from Natural Resources Canada see www.nrcan-rncan.gc.ca or for Calgary Herald article see www.electricityforum.com

Get FIT - Canada's first feed-in-tariff program was launched on October 1 by the OPA. Applications will be accepted for the initial launch phase until November 30, 2009. For full details see fit.powerauthority.on.ca

Front of the Line - A subsidiary of industrial giant Samsung Group plans to develop 600 megawatts of wind and solar power projects in Ontario as part of a multibillion-dollar investment in the province, according to the Toronto Star. Energy and Infrastructure Minister George Smitherman has asked the OPA to "hold in reserve" enough transmission capacity in southwestern Ontario to support "renewable energy generating facilities whose proponents have signed a province-wide framework agreement with the province," according to a directive Smitherman issued to the OPA September 30. It spells out that 240 megawatts of transmission capacity in Haldimand County and 260 megawatts in Essex County and the Municipality of Chatham-Kent

be set aside. It also requests the authority to accommodate 100 megawatts of solar projects on coveted Class 3 agricultural lands in the west region of the province. For full article see www.electricityforum.com

Wind Purchase -Canadian Hydro Developers has entered into an agreement to acquire the rights to a 4,400 MW offshore wind prospect in Ontario from Wasatch Wind, Inc., a private U.S.-based renewable energy company. When completed, this facility would be the largest offshore operation in the world. Canadian Hydro anticipates that the project will be built in stages, with the first 400 to 500 MW to come online by the fourth quarter of 2014. Regulatory and environmental permits and approvals, site release from the Ontario Ministry of Natural Resources, and financing are required prior to proceeding with construction. There is no indication as to how the recent acquisition of Canadian Hydro Developers by TransAlta will affect this purchase. For full press release see www.canhydro.com

Tunnel Update - The OPG reports the Tunnel Boring Machine at the Niagara Tunnel project had advanced more than 4,500 metres at the end of June— almost half the tunnel's length. During the year, OPG and the Tunnel contractor, Strabag, renegotiated the original design-build contract to accommodate a revised target cost and schedule. Originally scheduled to be completed in June 2010 at a cost of \$985 million, the Tunnel is now targeted for completion by December 2013 at a cost of \$1.6 billion. The Tunnel's distance has been reduced by about 200 metres due to an alignment revision – shortening its length from 10.4 kilometres to 10.2 kilometres. For full OPG semi-annual report see www.opg.com

First Light - As of October 14, Canada's largest solar farm is producing power in the township of Stone Mills, near Napanee. First Light Solar Park - currently the largest-scale commercial solar farm operation in Canada - is a joint venture between SkyPower Corp. and SunEdison Canada. With more than 126,000 solar panels spanning across 90 acres, this farm is expected to generate over 10 million kWh of electricity in its first year. For full press release see news.ontario.ca

RIP RPP - Ontario's public sector including municipalities, universities, schools, hospitals, long term care facilities and other public sector consumers moved from the Regulated Pricing Plan to an hourly price for electricity on November 1, 2009. For further information see www.ieso.ca

[Back to top...](#)

Product Spotlight!... - Calculating Greenhouse Gas Emissions

Schneider Electric has released new greenhouse gas (GHG) emissions reporting capabilities for PowerLogic ION EEM enterprise energy management software. At the annual PowerLogic ION User's Conference, Michael Schmitz of Schneider Electric spoke to the challenges of determining GHG emissions. There are three issues when trying to address the issue. 1. Who is the emitter and who is responsible for the emissions. 2. Calculating the actual emissions. 3. And the complexity of determining emissions in a large facility with multiple sources. The Greenhouse Gas protocol initiative seeks to address some of these challenges by establishing three reporting categories: Scope 1 is direct emissions that include fuel combustion, physical processing and fugitive emissions; Scope 2 includes indirect emissions through the purchasing of electricity and steam; and Scope 3 is all other indirect emissions. The new emissions reporting module adheres to the framework of the International GHG Protocol, applying CO2-equivalent emissions factors to direct and indirect sources. The software will summarize corporate emissions for all locations and compare the performance of business units, regions, buildings, facilities or departments. For further details see global.powerlogic.com

ION EEM with GHG reporting (category: Environment, Safety & Health) is one of four Square D PowerLogic products listed as finalists in the 2009 Plant Engineering Magazine Product of the Year program to be announced in the November issue. ION Enterprise software (category: Environment, Safety & Health) is also one of the finalists.

Plant Engineering's readers will vote for the products they deem best in each category as featured in the November issue.

[Back to top...](#)

Schneider Electric- New Features

At the annual PowerLogic ION User's Conference held in Toronto this month, John Straughn of Schneider Electric highlighted some of the new functionalities available in ION meters: Setpoint Learning Functionality allows meters to review the characteristics of a circuit and establish a starting set point without the operator's involvement. Disturbance Direction Detection was launched in V350 for the ION 7X50 and provides disturbance location relative to the meter, and Scaled Operational Values are used in the case of sealed revenue meters where by setting CT and PT ratios the operating values are determined without affecting the protected revenue parameters. For more details on these features see global.powerlogic.com

[Back to top...](#)

Basler - Sensitive Earth Fault

Since its introduction last year, the BE1-11f Feeder Protection System has generated interest from many different industries. With its advanced protective functions and communication options such as Ethernet, this applications oriented Numeric Relay System fits a variety of applications. In order to further increase the scope of applications Basler has announced another feature designed to expand the capability of the BE1-11f. The Sensitive Earth Fault option provides additional sensitivity to the Ground Current sensing input. The Sensitive Earth Fault feature is used for the detection of ground faults in ungrounded delta distribution systems or in high impedance grounded systems where limited ground current is available. For further details see www.basler.com

Triacta - Tenant Metering Approval

The Triacta PowerHawk 6312/6412 product 120VAC and 240VAC versions in all configurations have been approved by Measurement Canada. Ideal for tenant metering, Triacta's Smart Meter Platform enables owners to bill tenants directly for their energy use, which has been shown to drop overall consumption by up to 25 percent. This compact metering system uses existing wiring to accurately record electricity use. The 6312/6412 Smart Meter Platform can meter up to 24 single-pole circuits, 12 single phase/network, or eight three-phase breakers. For further details see www.triacta.com

Did you know...

Shell Quest - The Governments of Canada and Alberta are supporting the development of a large-scale carbon capture and storage (CCS) project in Alberta. A total of \$865 million will be invested by the two governments in the Shell Quest project, a joint venture among Shell Canada (60 percent), Chevron Canada Limited (20 percent) and Marathon Oil Sands L.P. (20 percent). This project will integrate CCS technology at Shell Canada's Scotford oil sands upgrader, near Edmonton. The Federal government is contributing \$120 million from its \$1 billion Clean Energy Fund, and Alberta is providing C\$745 million from a \$2 billion carbon capture and storage fund. The money will be awarded over 15 years as Shell and its partners hit certain milestones. For full details see www.gowlings.com

More CCS -The Pioneer Project—a large-scale carbon dioxide capture and storage demonstration facility—in October got a boost as French industrial giant Alstom and TransAlta, partnered with the governments of Canada and Alberta to build the plant at a coal-fired generation station at the 450-MW Keephills 3 power plant, a joint venture between TransAlta and Capital Power. The supercritical coal-fired power plant is to be built adjacent to the existing Keephills power plant in Wabamun, Alberta, near Edmonton. For full story see www.powermag.com

[Back to top...](#)

This monthly e-newsletter offers company news, application notes and product launches from Langford & Associates.

[Send Feedback](#) | [Unsubscribe](#)

All brand and product names are trademarks of their respective companies or organizations.
Copyright 2009 Langford & Associates
All Rights Reserved