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Electric Mobility Canada Newsletter

May 2011

May Issue

New Members
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Contact Us

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EMC Invites You...

EV 2011 VÉ Electric Vehicles Conference and Trade Show

September 26 to 29, 2011
Allstream Centre
Toronto, ON Canada

Click [here](#) for sponsorship opportunities.

Be the change!

Join EMC, Canada's most powerful clean transportation industry association.

Click [here](#) for the Membership Application Form and details of membership categories and annual fees.



President's Corner

Three down and eight to go!

With its late April announcements, the Government of Manitoba joins the Governments of Ontario and Quebec with meaningful programs supporting Plug-In Electric Vehicles (PEVs). Each of these three provinces have unique programs responding to their provincial needs and opportunities. In the cases of Quebec and Manitoba, their programs are based on the clean and renewable resources. In the case of Ontario, it has a mix of electricity generation which includes a greater use of fossil fuels and some coal (due to be shut down soon), its program is also based on supporting its large domestic auto industry as it moves to the electrification of its vehicle offerings to Canadian consumers.



This leaves our Federal Government and the remaining seven provinces to get in the game. While each jurisdiction has unique reasons for their current policies, there is no shortage of arguments for supporting the electrification of transport. It remains important to remember that Canada is a large importer of oil. The large sums of money leaving our country to pay for this oil, most of which is used in transportation, can be reduced significantly with the electric mobility. Another key reason is that we control the price of electricity within Canada. Oil prices are not within our control as Canadians.

EMC continues its efforts in the promotion of support in the electrification of transport with current initiatives aimed at the Federal and British Columbia governments.

[Click to connect with Al Cormier.](#)

New Members

EMC is pleased to welcome the following new members:

City of Red Deer

P.O. Box 5008
Red Deer, AB T4N 3T4
Website: www.reddeer.ca
Dean Krejci, Financial Services Manager
Tel: 403.342.8204
Email: dean.krejci@reddeer.ca

Guelph Hydro Electric System

395 Southgate Drive
Guelph, ON N1G 4Y1
Website: www.guelphhydro.com
Ron Collins, VP - Business Development & Partnerships
Tel: 519.837.4734
Email: rcollins@guelphhydro.com

EnWin Utilities Limited

4545 Rhodes Drive
Windsor, ON N8W 5T1
Website: www.enwin.com
James Brown, Director - Infrastructure
Tel: 519.251.7300 ext 267
Email: jamesbrown@enwin.com

Greater Sudbury Hydro Inc.

500 Regent Street
Sudbury, ON P3E 4P1
Website: www.sudburyhydro.com
Brian McMillan, VP - Distribution Electrical System
Tel: 705.675.0507
Email: brianm@shcc.ca
Local distribution company

Ottawa Hydro Limited

3025 Albion Road North
PO Box 8700
Ottawa, ON K1G 3S4
Website: www.hydroottawa.com
Raed Abdullah, P. Eng.
Strategic Planning Engineer, Assets and Planning
Distribution Asset Management and Smart Grids, Operations
Tel: 613.738.6400
Email: raedabdullah@hydroottawa.com
Electricity Distribution

[For a complete membership directory, click here](#)

News from EMC (as of May 20, 2011)

TD Bank Financial Group Sponsorship

TD Bank Financial Group has become a sponsor of EMC in an agreement just recently signed. EMC will take steps to recognize this generous sponsorship in its event marketing materials, including our new website, which is expected to be launched very soon.

May 2 Federal Election

The May 2 election has brought some new faces to Cabinet. EMC is actively seeking meetings with Cabinet ministers and key Members of Parliament to press its EV agenda. A similar effort in late 2010 led to some important programs of potential value to electric vehicles in the March 22 budget which was not implemented because of the election call. EMC is hopeful that these programs will not only be retained in the June budget but enhanced.

EV 2011 VÉ Conference and Trade Show

The preparations are well advanced and an exciting policy and technical program is falling into place. The early bird discount for registration ends on June 30. The program calls for 3 plenary sessions, 15 technical sessions as well as a Ride 'N Drive for political VIP's present and the media. The Trade Show will feature a variety of vehicles and other suppliers. Go to www.emc-mec.ca now to register.

British Columbia Government Relations Initiative

June 13 and 14 include important meetings for EMC in Victoria with EMC meeting Cabinet Ministers, Members of the Legislative Assembly and key staff members in various departments with an interest in EV developments in BC. The purpose of the meetings is to convince the current BC Government to adopt more aggressive programs for the acceleration of EVs in the province. EMC's Al Cormier will be accompanied by a variety of EMC members at these meetings.

Codes and Standards

The Canadian Standards Association is moving along on its project to establish Canadian standards, in harmony with the US, for the interface between the vehicle and the grid. The Committee is co-chaired by EMC's Al Cormier. Given that the standards harmonization activities with the US is moving slow, and given that Canada does not yet have a set of EV requirements for the charging infrastructure, CSA made a decision not too long ago to develop a set of interim EV requirements to address these issues. These documents are called Technical Information Letters (TILs). These are non-consensus based documents developed by CSA technical staff, and while other published and soon-to-be published documents were used in their development, these documents are meant to fill a short-term gap until published standards are available. There are 5 TILs in total that deal with different aspects of the charging infrastructure (i.e. vehicle to grid). Draft versions of these were sent to various technical sub-committees/groups in February 2011. Comments were compiled and addressed, and where applicable, drafts have been updated. The next step is for the final draft of the TILs to go to the Regulators across Canada for balloting. Any ballot comments and negative votes must be addressed. Best case scenario for publication is early June 2011. If there are many negatives/comments to resolve, this timing will get pushed out. In parallel to the above, CSA continues to move forward with plans to develop permanent standards for Canada. This includes harmonization activities with the US.

Standard Charging Sign for EVs

The Transportation Association of Canada (TAC) is the agency that sets the standards traffic signs used on our streets and highways. Acting on a recommendation from EMC, TAC is now considering our proposal for a standard sign to direct EVs to charging stations and to identify the parking spots with EV chargers. Readers are encouraged to contact EMC for the sign standard, as shown below, if needed. EMC hopes that the TAC approval process will be completed this year.



GO Electric Drive Website

www.Goelectricdrive.com is the website developed by the US Electric Drive Transportation Association in partnership with EMC. It contains a wide array of information aimed at consumers, policy makers and others with an interest in electric vehicles. EMC industry and energy provider members have been advised on how to get their organization's information on the website. The 10 minutes of your time to enter your information will expose your organization to the North American audience. The website has many user friendly features to obtain national and local information on electric mobility issues. Contact EMC if you need more details.

Working Group on PEV Readiness

EMC just launched this group made up of utilities and municipalities to assist them in getting ready for Plug-In Electric Vehicles (PEVs). The group is co-chaired by Don Guatto of Burlington Hydro and Gerry Pietschmann of the City of Toronto. The Group has identified over 20 issues/questions it will be researching with the assistance of consultant, CrossChasm, with a view to acquire the needed information for local policy and technical decision making. To date, 15 organizations from across Canada have joined the group and many more are welcome. Contact [EMC](#) for further details.

Charging EVs in Condominiums

It has long been known that many potential EV owners live in condominiums with parking facilities owned by their condo corporations. Except in rare cases, these parking facilities have no plug-in facilities. Unfortunately, some condominium corporations have decided to ban EVs instead of providing electrical outlets. EMC has formally asked the Canadian Condominium Institute (CCI) to sit down with EMC representatives and define win-win scenarios for the provision of electrical outlets in their facilities. EMC's request is expected to be accepted by the CCI Board before summer.

EV Leading Nations

Industrialized nations continue to announce aggressive plans to accelerate the adoption of EVs in their jurisdiction. France recently upgraded its national plan by planning for 2 million electric and rechargeable hybrid vehicles to be crisscrossing the roads of France by 2020. This includes the deployment of a dense network of recharging infrastructure (around 400,000 public charging points and 4 million private charging points) as a necessary condition to the success of this objective. Supporting this plan is the publication of a Green Book that offers answers to the numerous questions surrounding the number, technical characteristics, and the economic and legal models of a public recharging infrastructure. Its deployment will primarily fall under the responsibility of the territorial authorities.

Ontario Launching a Plug 'N Drive initiative

On May 19, Ontario's Plug 'N Drive initiative was launched at a half-day meeting in Toronto, at which EMC's Al Cormier was the keynote speaker. Led by Cara Clairman, previously the Vice President of Sustainable Development at Ontario Power Generation, the new initiative is designed to coordinate needed PEV projects in Ontario. Plug 'N Drive and EMC will collaborate to avoid duplication of activities with EMC leading national and federal issues. The relationship between the two groups will evolve as the Plug 'N Drive initiative develops in year one business plan.

EMC is committed to delivering the EV message. EMC President, Al Cormier, is frequently invited to speak about EV-related topics. Upcoming events include:

- Speaker at [Green Fleet Expo and Event](#) in Hamilton - June 2
- Speaker at [The 4th Annual Atlantic Business Summit](#) in Toronto - June 2
- Keynote speaker and session moderator at the [et2011 Conference in Calgary](#) - June 3 and 4
- Speaker at the [International Student Energy Summit](#) at UBC - June 10

[For further information on news from EMC, please contact Al Cormier](#)

News from Members

LONDON (April 20, 2011)

Nissan Motor (GB), Ltd., today handed over the keys of a 100% electric Nissan LEAF to London's Mayor Boris Johnson just weeks ahead of the launch of the capital's first citywide electric vehicle membership scheme, Source London. The staff of Transport for London (TfL) will trial the revolutionary, five-seater, zero-emission carduring a month-long loan.

Source London scheme will deliver a new network of integrated electric charge points in the city to accelerate uptake of electric vehicles and help cement London's position as the electric vehicle capital of Europe. The Nissan LEAF will be used by Surface Transport staff involved in site visits to traffic signals and cameras. The compact hatchback joins the permanent fleet of electric cars used by TfL as part of their commitment to increase the number of zero and low emission vehicles and help improve air quality in the capital.

Additional financial benefits include reduced servicing costs, exemption from London's congestion charge, zero road tax and zero benefit in kind for company car drivers. Deliveries of the Nissan LEAF began in the UK in March.

MISSISSAUGA, ON (April 17, 2011)

The name on the back panel, just under the massive adjustable rear wing, says Nissan LEAF™. The powertrain is a 100% zero emission advanced Lithium-ion battery design, just like that found on the world's first affordable mass market electric vehicle. As indicated by the "RC" - for Racing Competition - Nissan LEAF NISMO RC, made its world debut at the 2011 New York International Auto Show on April 20th. This new electric vehicle is purpose-built to bring new meaning to the term "Racing Green".

Already a world leader in zero emission production vehicles with the late 2010 launch of the Nissan LEAF passenger vehicle in the United States, Europe and Japan, Nissan is now looking at the racing world as a way to draw attention to the seemingly untapped potential of electric vehicles. The new electric race vehicle will likely make a series of special demonstration appearances at various motorsports venues in 2011, with the company exploring pioneer zero emission competition spec series in future years. Product specs and high-res image available [here](#).

[Members are reminded to send us their media releases and other company announcements for use in this newsletter.](#)

Other EV Accelerators

Electric Buses to be Assembled in Windsor (May 14, 2011)

East Wind Group Inc. of Mississauga has chosen Windsor, ON for assembly of lithium-ion powered electric buses, which have been designed by international battery giant, BYD Co. of Shenzhen, China. The company held an open house at its Mississauga offices this week to show off the "E-Bus," dubbed the K9, for potential customers.

BYD's electric bus, the K9, is a smaller unit than most municipal buses, measuring just 12 metres long by 2.5 metres wide. That's comparable in size to the short-wheelbase tunnel bus Windsor Transit operates between Windsor and Detroit. It is said to have a range of 250 km to 300 km (186 miles) and a top speed of 70 km. Its batteries can be given a half-charge in only 30 minutes using a proprietary rapid-charging unit designed by BYD, so the bus could easily be topped up for all-day use during driver breaks. [Learn more.](#)

Something to Add? [Send Us Your Ideas Today!](#)