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*Electric Mobility Canada's
Monthly e-News
October/November 2015 Edition*

PRESIDENT CORNER.

Convergence and collaboration

It has been five years since EVs have hit the roads. Many stakeholders have or are just about to refresh their plans and strategies.

The Quebec government has recently announced its Transportation Electrification Action Plan for 2015-2020. The BC government, after reviewing discussion paper submissions and the Climate Leadership Team's recommendations, will release a draft Climate Leadership Plan for public comment in December 2015. Our newly elected federal government, in its platform, wrote that their plan will introduce more clean technologies - including energy storage and electric vehicle charging stations - and help fund electric vehicle.



While all governments are challenged to come up with their own commitments to fight climate change, the federal and provincial governments will undertake discussions to take place very soon after the COP21 meeting in Paris, in early December.

Our updated roadmap recommendations, also under discussion, do serve as a reference and guideline on the achievements, and on complementary measures among all stakeholders to be prioritized in an effective plan. The newest technologies are being designed to come to market very soon. We want to make sure that their offer will align with growing demand supported by continued financial incentives, that the infrastructure will be deployed to provide the most shared and convenient services, and that Canadians will be well informed to make the best choice for their needs.

All of these approaches, based on convergence and collaboration, are very contributive to support our objectives. I invite you to take a look at our Newsletter and to appreciate all the leadership and innovation from our members, representing the whole value chain of electrification.

Chantal Giguère

Chantal Guimont
President & CEO
Electric Mobility Canada

UPCOMING EVENTS.

EMC EVENTS



EVS29 International Electric Vehicle Symposium

June 19-22, 2016
Montreal, QC

www.evs29.org

EMC Webinar: Vehicle-to-Grid Technology Integrated into Microgrid

Presenter: Shuvo Chowdhury, PowerStream
November 12, 2015 @ 3PM EDT
Visit [our website](#) to learn more.

OTHER EVENTS

Rendez-vous branché

Équiterre & AVÉQ
November 21, 2015
Saint-Jerome, QC

[Details](#)

AQTR Electric Mobility Conference

December 11, 2015
Montreal, QC

[Details](#)

MEMBERSHIP NEWS.

Electric Mobility Canada is happy to welcome **2 new members** this month.

As a University:

Polytechnique Montréal, QC
www.polymtl.ca

Engineering faculty affiliated with the Université de Montréal and known for its dynamic research.

As supporter:

Claude Boulet, QC



Polytechnique de Montréal

To see the list of our members, please visit [our website](#). To obtain the detailed contact info of a member, please visit our [Members Only Section](#).

NEWS FROM EMC.

EMC's position on Quebec's Transportation Electrification Action Plan

Electric Mobility Canada (EMC) supports Quebec's 5-year major action plan to promote electric transportation and the development of its industry.

This plan represents a straight continuation of the successful policies that led 50% of all Canadian electric vehicles to be in Quebec. It also contains new measures that EMC prioritizes to improve communication with potential buyers and accelerate the installation of fast-charging stations. The plan also addresses important sectors of Quebec's industry and supports further growth.

EMC remains convinced of the necessity to improve public awareness and continued financial incentives for EV buyers, in order to achieve the plan's objectives. Finally, EMC wishes to be part of the discussions on the development of a ZEV mandate.

The strategic objectives and intended results for 2020 are:

1. Reach **100 000 plug-in electric and hybrid vehicles** registered in Quebec.
2. Reduce the annual GHG emissions produced by transportation by 150 000 tonnes.
3. Reduce by 66 millions the number of litres of fuel consumed annually in Quebec.
4. Reach **5,000 jobs in the electric vehicle industry** and generate **\$500 million in investment**.

Learn more about the action plan on the [Quebec government website](#).



Government actions and Roadmap

Following our planned activities and the mandate given to EMC by Natural Resources Canada, the recommendations from our National Roadmap were recently presented to the Hub Committee for first comments. This committee is formed of representatives of many federal government's entities and ministries, and some EMC Board of directors members. In line with the ongoing discussion of the committee and the comments received, EMC has undertaken to complete its recommendations in order to present the Roadmap shortly to the new elected government.

EMC Webinars

EMC invites its members to participate at its [webinars on EVs](#). The next one is on November 12! Please contact us to suggest a topic you would like to present to the members in an upcoming webinar.

IEEE Vehicle Power and Propulsion Conference

From October 19 to 22 in Montreal took place this international forum about vehicle power and propulsion in order to promote clean technology for transportation. On this occasion, Chantal Guimont, EMC's president and CEO, gave a speech on how to overcome challenges and convert the EV niche market into a mass market. She also underlined importance of working on all aspects to accelerate the rate of transportation electrification: technical, policy making and marketing. She invited all to participate actively in the upcoming Electric Vehicle Symposium EVS29, to be held in Montreal, June 19-22, 2016.

EVS29.

The 29th edition of the International Electric Vehicle Symposium, the world's largest conference on electric transportation, will be held in Montreal, QC on **June 19 to 22, 2016.**



Submission Deadline for Call for Abstracts

Please take note that you have now **until November 20th, 2015** to [submit your paper abstracts online](#) to become a presenter in an EVS29 Lecture Session or a Small Group/Poster Session.

Check out EVS29 [Frequently Asked Questions and updated Abstract Format Guidelines](#) to improve your chances of success.

Early Bird Registration is now open!

Planning on attending EVS29 next June? Register now and save on fees! You have until December 1, 2015 to take advantage of this offer. Visit [EVS29 website](#) for more details.

Become a sponsor or an exhibitor

[Sponsorship](#) and [exhibitor](#) information is now available on EVS29 website. Do not miss this priceless opportunity to promote your latest innovations and gain visibility on the world stage!



Stay tuned for more information on this important event!

NEWS FROM OUR MEMBERS.

The City of Montreal to get over a hundred electric car charging stations

Montreal has unveiled plans to install 106 charging stations for electric cars downtown by next spring and become a leader among Canadian cities. AddEnergie has been mandated to install the first 28 charging stations. Mayor Coderre said he hopes to have a total of 1,000 charging stations by 2020.

The city also launched on October 29 a vast consultation on how Montreal can reduce its dependency on fossil energies. You can participate [online](#) until November 20 and

send your ideas to the Mayor who will attend COP21 in Paris. The consultation will also continue through March 2016. *(in French only)*

Ontario First to Test Automated Vehicles on Roads in Canada

Ontario is launching a new pilot to allow for the testing of automated vehicles on Ontario roads.

Beginning on January 1, 2016, Ontario will lead Canada as the first province to test automated vehicles and related technology on-road. Currently, there are nearly 100 companies and institutions involved in the connected vehicle and automated vehicle industry in the province. The pilot will enable those companies to conduct research and development in Ontario rather than in competing jurisdictions, as well as support opportunities to bring automated vehicles to market.

The province is also pledging an additional \$500,000 in funding to the Ontario Centres of Excellence Connected Vehicle/Automated Vehicle Program, in addition to the \$2.45 million in funding recently provided. The program brings academic institutions and business together to promote and encourage innovative transportation technology. [Read more.](#)



Positive outcome for Emotive campaign

It's been a successful year for the Emotive campaign, an initiative by Plug in BC to raise public awareness about electric vehicles in B.C. In 2015, the Emotive team was present at over 25 events and offered 600 free test drives to the public. Moreover, Fraser Basin Council has recently been selected to continue to deliver the Emotive campaign until 2018, with provincial government funding support. [Learn more](#) about Emotive.

Hydro-Québec plans to purchase 1,500 charging stations

The Electric Circuit recently launched a request for proposals to purchase 1,500 240-V charging stations for electric vehicles by 2020. These charging stations will further the network's expansion by offering greater geographical coverage to serve

The first fast charging station in Ontario

The [city of Markham](#) became the first city in Ontario to obtain a fast charging station. In fact, [SmartDC of AddÉnergie](#), with implementation by VERnetwork, has performed more than 400 recharges since the station installation began this summer. EV drivers can now charge 400V in minutes.



the ever-growing number of electric vehicle users in Quebec.

The Electric Circuit is currently comprised of charging stations manufactured by AeroVironment and AddÉnergie, which were selected in requests for proposals issued by Hydro-Québec in 2009, 2011 and 2013.

Companies interested in taking part in the request for proposals are invited to submit their bids by November 26, 2015.

Consult the [Request for Proposals](#). (*in French only*)

Smart Charging of EVs in Toronto - Pilot project yields big benefits

A currently running pilot project funded by the Ontario Ministry of Energy and managed by FleetCarma, in collaboration with Toronto Hydro, and AddÉnergie is already yielding important benefits.

As described by FleetCarma's Matt Stevens to an EMC sponsored webinar on September 30th, 30 Toronto EV owners volunteered to be involved in a project that started in November 2014 and running until January 2016. The EV owners gave up partial control of their charging times to allow their EVs to be charged at the optimum time to benefit the utility and still ensure their EV is fully charged when needed. Results to date show a 51% to 85% reduction in peak charging load, while ensuring all the vehicles were fully charged by the charge-complete times set by each EV owner.

For full details, see the [presentation slides](#).

EMC MEMBERS OF THE MONTH.



FRASER BASIN COUNCIL, BC HYDRO and the CITY OF VANCOUVER
A Collaborative Initiative
to Accelerate West Coast's EV Fleet Purchases

This month, EMC turns West to recognize the collaborative effort between EMC member Fraser Basin Council and BC, Washington, Oregon and California, along with several other partners, who joined forces in a major new initiative designed to accelerate adoption of zero-emission vehicles in public and private fleets.

The initiative called [West Coast Electric Fleets](#) is a project of the Pacific Coast Collaborative, a joint effort of the states and province to accelerate a low-carbon economy on the West Coast. It aims to help fleet managers incorporate zero-emission vehicles and provide access to a peer-to-peer network to help operators learn from one another as they scale up use of electric vehicles and associated infrastructure. Over 20 leading vehicle fleets on the West Coast have joined as initial participants, including EMC members BC Hydro and the City of Vancouver.

Because fleet operations can utilize centralized charging, often have predictable routes and typically focus on life-time vehicle costs, they are well suited to expand use of electric vehicles. Also noteworthy, fleets comprise a major market for new vehicle purchases. By 2016, 10 percent of all new purchases should be electric vehicles.

The initiative provides a framework for co-operative action, a forum for leadership and the sharing of information on best practices, and a common voice on issues facing coastal and Pacific jurisdictions. This is a model of cohesion and global thinking that sets an example for the rest of Canada.

EMC's members will soon be able to benefit from this large-scale collaboration by attending West Coast Electric Fleets Webinar Series in the beginning of 2016.

More at pacificcoastcollaborative.org



WEST COAST ELECTRIC FLEETS

OTHER EV NEWS.

Project Transamerica: An EV Journey across America

In May 2016, two students, Hugo Poitout and Alexandre Schmitz, are planning to leave Montreal for a 10,000 km EV trip across the American continent that will take them to Rio de Janeiro. Their objective? Proving that electric mobility is viable and compatible with daily life. Please consult [their website](#) for more info and provide them with your support. Stay tuned!



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