

President Corner

Infrastructure, Innovation and More Actions to Come

Last week's budget in Ottawa reflects priorities related to infrastructure and innovation, in line with Electric Mobility Canada's recommendations included in its [Roadmap](#).

The good news is the continued infrastructure deployment with additional allocated investment to electric vehicles and alternative transportation fuel infrastructure starting in 2018-19 of \$30M/year for 4 years, totalizing \$120M to pursue the deployment of DCFC in strategic areas. Investment in charging infrastructure is essential for increasing the adoption of EVs. Also, Budget 2017 proposes to provide \$13.5M over 5 years, starting in 2017-18, to Natural Resources Canada to provide expertise to other federal departments to lead by example with respect to energy efficiency measures, including the best approaches to reduce or eliminate emissions from vehicle fleets.



Three additional opportunities are presented in the budget. The Smart Cities Challenge will invite cities to develop Smart Cities Plans with \$300M over 11 years with investments in public transit, green infrastructure, and social infrastructure. EMC intends to present concrete ways to include smart transportation electrification into the design of the program.

A new \$1.26 billion five-year Strategic Innovation Fund will consolidate and simplify existing business innovation programs, including Technology Demonstration Program, Automotive Innovation Fund and Automotive Supplier Innovation Program, to accelerate areas of economic strength, strengthen and expand the role of Canadian firms in regional and global supply chains, support economic strategies, and attract investment that creates new, well-paying jobs.

In the field of autonomous vehicles, the federal government is committed to developing regulations for the safe adoption of connected and autonomous vehicles and unmanned air vehicles, working collaboratively with industry, provinces, territories and municipalities to establish pilot projects, with an allocated \$76.7M over 5 years, starting in 2017-18.

Also, the development of a clean fuel standard to reduce emissions from fuels used in transportation, building and industrial sectors is underway.

Increasing EV adoption now

To make a strong difference in this transition period ahead of us, EMC will again defend the pressing need for awareness and communication actions, for additional federal incentives for EVs, and for the deployment of workplace charging, and direct investments to transit authorities for commercially available e-buses. EMC looks forward to working with the federal government and all provincial governments on the Canadian EV Strategy for 2018, thus ensuring that synergies are translated into an acceleration of EV deployment in Canada. During the next months, you will be invited to be part of the crafting of the longer term strategy. Stay tuned.

Chantal Guimont
President & CEO
Electric Mobility Canada

Upcoming Events

EMC Events



Annual EV/VÉ Conference representing unique networking opportunities with EV stakeholders. Key

leaders from automobile industries, federal and provincial governments, fleet organizations and academia are gathered to make EVs a sustainable solution for transportation in Canada.

Other Events

[AQTR Conference](#)

April 3-5, 2017
Montreal, QC

[Montreal Electric Vehicle Show](#)

May 26-28, 2017
Montreal, QC

[An Afternoon with McMaster University](#)

May 29, 2017 at EV2017VÉ
Markham, ON

[EV Roadmap 10](#)

June 20-21, 2017
Portland, OR

[EVS30 - International EV Symposium](#)

October 9-11, 2017
Stuttgart, Germany

Chapter Meetings in March

Don't forget to register to your chapter meeting. As usual, these gatherings are the perfect occasion to meet your fellow EV colleagues and discuss the latest developments regarding electric transportation.



QC chapter meeting on March 23

Quebec Chapter Meeting

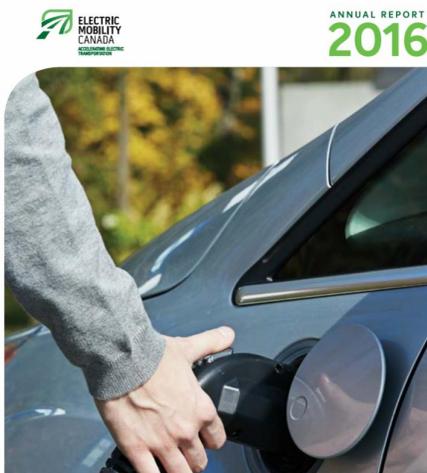
Our new member E2-Sport, an electric bicycle shop in Montreal, hosted the meeting on March 23.

Ontario Chapter Meeting

Tuesday March 28, 2017 @ 1PM
Venue: Toronto City Hall

Be part of the crowd and email Marie-Andrée Emond at m.a.emond@emc-mec.ca to secure your place.

EMC's Annual Report Available Now



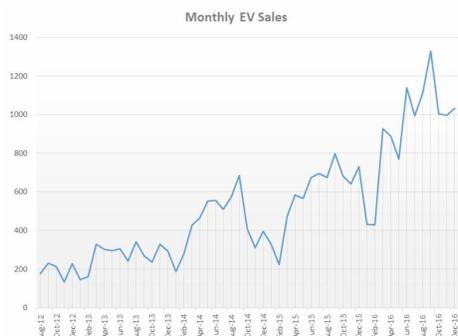
Without any doubt, 2016 has been a major year for EVs and Electric Mobility Canada. Our annual report is an opportunity to take stock of what we have realized and what difference that has made.

EMC's Annual Report highlights work done by our association, along with messages from our CEO, Chantal Guimont, and our Chair, Catherine Kargas. Learn about our federal and provincial advocacy initiatives, EVS29, and our networking activities. It also includes a detailed map of Canada, which provides the state of EVs and charging in each province.

Thanks to all our members and partners and let's hope for an even more fruitful year in 2017.

Download EMC's Annual Report [here](#).

Record EV Sales in Canada in 2016



Canadian electric vehicle sales were strong in 2016, posting a record-setting total of 11,000 vehicles sold last year. That's up 56% from the 2015 total of just over 7,000. By now, the total number of EVs in Canada has reached over the 30,000 mark. This is an historical achievement we can all be proud of.

For an in-depth report on the Canadian EV sales in 2016, visit [FleetCarma's website](#).

Chantal Guimont in the National Post

EMC's President and CEO, Chantal Guimont, published an article titled "Canadians Can Make a Difference By Buying an Electric Vehicle Now" in the National Post on March 23, 2017. Another great opportunity to raise public awareness of EVs. Read all about it [here](#).

EV2017VÉ



SMART E-MOBILITY

EV VÉ 2017
CONFERENCE + TRADESHOW

MAY 29 - JUNE 1
HILTON-TORONTO/MARKHAM, ON

HOSTED BY



ORGANIZED BY



Mark your calendar for EV2017VÉ, the most important Conference & Trade Show for the EV industry in Canada. Learn about Smart e-Mobility with a look at the entire EV ecosystem and revolutionary breakthroughs in mobility. Don't miss out on our unique plenary and technical sessions, academic workshops and technical tours.

REGISTER AT EMC-MEC.CA/EV2017VE BEFORE MARCH 31 AND SAVE UP TO 30%.

Opening Keynote by Kathleen Wynne at EV2017VÉ



We are happy to announce that Premier of Ontario Kathleen Wynne will attend EV2017 and give the opening keynote on May 30th.

With its Electric Vehicle Incentive Program, investments in public charging and business growth initiatives for electric transport, the Wynne government has made electrification a priority for Ontario.

Register for EMC'S 2017 Student Competition



Last year's winner team leader, Grant Poulain, from Dalhousie University and Louis Tremblay, President at FLO, sponsor of the event

The theme for our Sixth Annual Student Competition will be Smart e-Mobility. Undergraduate Engineering and Business Administration Student Teams from Canadian Universities and Colleges Teams have **until April 7, 2017 to register** by emailing Marie-Andrée Emond from Electric Mobility Canada, at m.a.emond@emc-mec.ca.

The competition will be held on site or via video conference on May 31, 2017 in Markham, ON.

The winning team will receive a public FLO charging station from our sponsor to be installed on their campus.

Visit [our website](#) for all the details.

EMC Member of the Month



Innovative Vehicle Institute

Open Innovation and Collaboration in Autonomous Vehicles

In spring 2015, the Innovative Vehicle Institute (IVI) brought together various Quebec SMBs, academic researchers and college centres for the transfer of technology (CCTT) to create the ARION Project. This initiative thrives on open innovation to position Quebec in the autonomous vehicle industry.

With a 3.2M\$ budget, the ARION Project aims to develop a new expertise in the development and implementation of off-road vehicles dedicated to autonomous tasks, such as agricultural, recreational and industrial mobile equipment. Through its collaborative approach, the IVI accelerates R&D while reducing the costs and risks for companies. Among the 20 partners that joined the ARION Project, some will soon be able to take advantage of the ensuing innovations.

First, the IVI is focusing on the creation of prototypes designed to test different sensors and algorithms for autonomous navigation systems. The autonomous robots ARION.1 and ELMEC.1 are already capable of perceiving their environment, asserting their location and operating status, and navigating autonomously or through remote control.

Thanks to the knowledge gained with these robots, the IVI can now start designing new prototypes:

- An autonomous farming tractor with a rechargeable hybrid engine (with Elmec)
- An autonomous industrial handling vehicle (with Motrec)
- An autonomous shuttle (with FPIinnovations and Précicad)

ivisolutions.ca



News from Members

Jeff Dahn of Dalhousie University Receives Herzberg Medal



Last February, Dalhousie University professor, Dr. Jeff Dahn, won the \$1-million Herzberg Prize, Canada's top science award. Dahn is one of the world's leading battery researchers, working on lithium and lithium-ion batteries since 1978.

According to the [Natural Sciences and Engineering Research Council of Canada](#), the work accomplished by the Dahn Lab has had an impact on nearly every aspect of lithium-ion battery research, and has contributed to making these long-lasting batteries part of our everyday lives.

EMC wishes to congratulate Dr. Dahn and is proud to count him among its members.

NRCan Contributes \$6.7 Million to AddEnergie's Electrification Project



Louis Tremblay, president of AddEnergie, Catherine McKenna, minister of the Environment and Climate Change, and François-Philippe Champagne, minister of International Trade of Canada

[AddEnergie](#), the Canadian leader in electric vehicle (EV) charging solutions, is announcing major financial backing from Natural Resources Canada to develop innovative charging technologies that will support transportation electrification in the country now and in the future.

Natural Resources Canada will contribute \$6.7 million to this \$16.9 million initiative, while AddEnergie will invest \$7.3 million. The initiative will also benefit from a \$748,000 contribution from the Quebec Ministry of Economy, Science and Innovation and \$1.9 million from various private partners.

Ultimately, the projects made possible by this funding will enable the creation of 86 permanent jobs in Canada over five years and prevent emissions of over 880,000 tonnes of greenhouse gases (GHGs). They will also see more than 1,000 new charging stations installed across Canada by 2019, which will in part contribute to the expansion of the Canada-wide FLO charging network, operated by AddEnergie.

Electric Vehicle Discovery Centre Coming Soon!

On April 20th, Plug'n Drive will be opening its doors to members of the public to take an advanced "sneak peak" of the world's first Electric Vehicle Discovery Centre (EVDC). The official grand opening ribbon cutting ceremony for supporters of the initiative will take place on May 17th, 8:30-11:00 am.

Located at 1126 Finch Ave. W (just west of Dufferin) in North York, the EVDC will allow visitors to discover a selection of EV models from leading manufacturers on showcase and available for test drive, alongside interactive educational digital displays to learn about the benefits of EVs, charging stations, and the electricity grid that powers them. A corporate training centre will accommodate groups as large as 100 people offering an unparalleled learning experience with the latest technology.

The EVDC would not be possible without the support of the Province of Ontario, TD Bank, Toronto Hydro, Ontario Power Generation and the Power Workers' Union as well as the automakers and charger manufacturers.

InnovÉÉ's Call for Projects



InnovÉÉ invites Quebec's stakeholders to submit their collaborative R&D projects in transport electrification to obtain financial support. You have until **April 21 2017** to submit your projects.

InnovÉÉ is a not-for-profit organisation funded by Quebec's Ministry of Economy, Innovation and Export Trade. Its mission is to support the development and funding of collaborative projects relative to electric industry and transport electrification.

More information on their [website](#).

The AVEQ travels to Korea



The Association du véhicule électrique du Québec (AVEQ) attended last week the International Electric Vehicle Expo 2017 and the Korean EV User Forum in Seoul. Pierre-Étienne Messier, regional delegate for the AVEQ, gave a conference on the association in order to export abroad the concept of the association.

A Quebec Cluster for Electric and Intelligent Vehicles Soon

The Quebec government announced that an advisory committee is working on the creation of an industrial cluster for electric and intelligent vehicles. Its goal will be to foster concerted action between the main players in the electric-vehicle industrial

sector, in order to ensure the sector's competitiveness.

Chaired by Alexandre Taillefer, managing partner at XPND Capital and chairman at Téo Taxi, the committee is made up of 15 members, including 8 members of industry and 7 members from government. Its mission is to prepare a business plan for the future cluster which will be validated by all the stakeholders of the sector during a consultative forum on April 10, 2017 in Montreal. This industrial cluster project is part of [Quebec's Transportation Electrification Action Plan 2015-2020](#).

Membership News

EMC is happy to welcome the following new members:



- **Boutique E2-Sport**, QC - e2-sport.ca
- **eCamion**, ON - ecamion.com
- **Eluminocity**, NY - eluminocity.com
- **FCA Canada (Fiat Chrysler)**, ON - fcacanada.com
- **Bectrol**, QC - bectrol.com
- **Toronto Electric**, ON - www.torontoelectric.com
- **Robert Porter**, ON - Supporter
- **Sean Hart**, ON - Supporter

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](#).

CONTACT US.

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your professional
network!**