

Electric Vehicle Council of Ottawa



July 27, 2020

Electric Vehicle Council of Ottawa Monthly Meeting

Agenda

- ▶ Condo Charging – Laura Brisson (Swtch)
- ▶ EV News – Mitchell
- ▶ Deep dive on cross overs and SUV's - Mike
- ▶ NRCAN (EV Promotion grants)
- ▶ Future events
- ▶ Round table

Condos and Charging

Electric Vehicle Council of Ottawa





EV News - July

EV News

- ▶ Tesla EV Deliveries/Profit/Factories
- ▶ Electric AC Cobra
- ▶ 1,400 hp Ford Mach E
- ▶ Tesla Model Y Lower Base Price
- ▶ BMW iX3
- ▶ Nissan Ariya

A close-up photograph of the Tesla logo, which is a stylized silver 'T' with a lightning bolt shape integrated into it. The logo is set against a dark, textured background.

Tesla Q2 Results

- ▶ Deliveries of over 90,000 vehicles, \$104 million profit
- ▶ Ongoing construction of 3 new factories: Austin, Texas (Cybertruck, Semi, Roadster, Model 3/Y), Berlin (Euro Model 3, Y), Fremont (battery cell production)
- ▶ TSLA stock peaked at \$1,759, now sitting at ~\$1,415 (\$262 billion market cap)

Electric AC Cobra



- ▶ 54 kWh battery, range of 150 miles
- ▶ 58 reservations (58 year anniversary of launch of AC Cobra)
- ▶ Original Cobra design, updated 2020 mechanical components
- ▶ ~\$172,000



1,400 hp Ford Mach E

- ▶ 3 motors on front axle, 4 motors on rear axle
- ▶ Can be both rear-wheel drive or all-wheel drive
- ▶ 2300 ft-lbs of torque
- ▶ Bringing car to Nascar races to show fans the performance of Evs
- ▶ 2,300 lbs of downforce at 160 mph

Lower Starting Price Model Y

- ▶ Model Y price dropped \$6,000 in Canada (Long Range) and \$3,000 (Performance)
- ▶ New starting price of \$69,990 (LR) and \$83,990 (Performance)
- ▶ Standard Range + Version of Model Y Scrapped

BMW iX3



- ▶ ~240 miles of range from 74 kWh battery pack (Model Y LR: ~310 miles)
- ▶ Based on X3 platform, would compete with Model Y on size
- ▶ 0-60 in 6.8 seconds (Model Y LR: 5.1 seconds)
- ▶ £65,000 starting price (Model Y LR: ~£50,000)

Nissan Ariya

- ▶ Starting at ~\$40,000 US (~\$53,000 CAD)
- ▶ Max 480 km of range, CCS charging replaces CHAdeMO standard
- ▶ AWD and RWD options



The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. The shapes are primarily triangles and polygons, creating a dynamic, layered effect. The central area is white, providing a clean space for the text.

Crossovers and Small SUV: A 2020 Buyers Guide

2019 Best-selling vehicle in Canada is...

- ▶ The Ford F-Series pickup with 145,064 units sold in 2019.



Next-best selling vehicle in Canada is...

- ▶ Ram pickup with 96,673 units sold in 2019.



Okay, third best-selling vehicle then?

- ▶ Toyota RAV4 with 65,248 units sold.



New plug-in options!

- ▶ 2020 brings not one but four new plug-in options that could finally start eating away at the crossover/small SUV market that has been dominated by gas-guzzling vehicles, mostly RAV4's.
- ▶ Two more options will arrive next year!
- ▶ For this presentation small crossovers are defined as having AWD (because SUV! Sorry Niro, Kona and Bolt EUV), a hatchback (for practicality!), and seating for 5 (ie not a HUGE 7-seat SUV).
- ▶ These specs define the RAV4 and are common to the segment in general which is the second-most-popular type of vehicle in Canada after pickup trucks.
- ▶ This presentation also caps the price at \$70,000 (sorry i-Pace) to stay reasonably competitive with the RAV4 and its many derivatives.

Rav4 Prime

- ▶ MSRP: \$54,000 (est.)
- ▶ Incumbent leader now has an option with a plug! (Finally!)
- ▶ Rumored to only have 5,000 units available in the 2020 North American market due to limited battery availability.
- ▶ That leaves roughly 60,000 gas-burning RAV4's to be sold assuming no market growth.



Electric Veh



Electric

Mustang Mach E

- ▶ Lowest MSRP: \$50,495



ID4

► Lowest MSRP: \$46,995 (est.)



Nissan Aryia

- ▶ Lowest MSRP: \$54,300 (est)



Polestar 2

► Lowest MSRP: \$69,900



Tesla Model Y

► Lowest MSRP: \$69,990



The Verdict

- ▶ If you know someone looking to get a RAV4 Hybrid or even RAV4 Prime, maybe suggest they look at these EV options as well.
- ▶ If they like the Prime but can't find one to buy, the Mach E is a solid EV option at the same price point and available for purchase now. (It's also cooler than the Boomer-mobile RAV 4! I mean just look at it!)
- ▶ The Nissan Aryia and ID4 will also likely be at the same price point when they become available next year.
- ▶ Polestar 2 and Model Y are also available now for purchase with delivery this year although they are more expensive than the incumbent and popular RAV.

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EVCO and EV Society Merchandise

Electric Vehicle Council of Ottawa



All Products Apparel - Homeware - Accessories - About



EVCO Women's Comfort Tee
Women's Comfort Tee
\$18.45 CAD



EVCO Men's Classic Tee
Classic Tee
\$16.86 CAD



rEvolutionary Classic Tee
Classic Tee
\$15.89 CAD



ICE Age
Triblend Tee
\$22.85 CAD



<https://teespring.com/stores/evco>



rEvolutionary Classic Tee

Classic Tee
\$15.89 CAD



EV Society Classic Tee

Classic Tee
\$15.79 CAD



Kicking gas 2012 Tee

Classic Tee
\$19.87 CAD



Kicking Gas Since 2013

Classic Tee
\$19.83 CAD



Kicking Gas Since 2014

Classic Tee
\$19.83 CAD



Kicking Gas Since 2015

Classic Tee
\$19.83 CAD



Kicking Gas Since 2016

Classic Tee
\$19.83 CAD



Kicking Gas Since 2017

Classic Tee
\$21.08 CAD

<https://teespring.com/stores/electric-vehicle-society>

NRCan Zero-Emission Vehicle Awareness Initiative

Electric Vehicle Council of Ottawa



Zero-Emission Vehicle Awareness Initiative

- ▶ Projects that aim to address **awareness and knowledge gaps** among Canadians on ZEV technologies
- ▶ Max Contribution of \$50,000
- ▶ Must match the amount - in-kind counts
- ▶ Stacking of 75% for non-profits like us
- ▶ Stacking of 100% for provincial or municipal
- ▶ Proposal by Sep 8th
- ▶ Selection of proposals October
- ▶ Must be spent by March 31st, 2021

Possible Projects

- ▶ Discovery Centre
- ▶ Signage for EV charging stations
 - ▶ City of Ottawa might be interested
- ▶ Educational programs

Past Events

Reaching outside the bubble!

Electric Vehicle Council of Ottawa



Past Events

Jul 7-8 - Virtual EMC Conference
Work, Commute and Travel During...and beyond
COVID-19

Electric Vehicle Council of Ottawa





Free Webinar

Be sure not to miss the **July 7th** episode of the Canada Talks Electric Cars webinar **7:30 PM - 8:30 PM EST**.

In this episode entitled “**Roaming Canada’s EV Charging Landscape**”, you will hear from Suzanne Goldberg, Director of Public Policy for ChargePoint in Canada, the world’s leading electric vehicle charging network. Among other things, Suzanne will talk about the future of EV charging in Canada and the efforts underway to ensure a seamless refuelling experience for electric car owners.

Here's the registration link:

https://zoom.us/webinar/register/6015931195097/WN_8c5EgxJQQg2cEyoBE6jzRQ

If you are unable to attend the webinar on July 7, it will be recorded and available for viewing on the Electric Vehicle Society’s [Youtube](#) channel.

Past Events

- ▶ July 7th EV Society - webinar #2!
- ▶ https://zoom.us/webinar/register/5715900167837/WN_TdnGLQjUTOykeoiv3qdFZg

Upcoming Events

Electric Vehicle Council of Ottawa



Upcoming Events - regular

August 13 - Green Drinks

Virtual via Zoom

Mass Timber

August 24 - Next EVCO meeting

Upcoming Events

- ▶ July 28-30th Electric Aircraft Symposium
- ▶ https://vtol.org/eas?utm_source=Electric+VTOL+News&utm_campaign=1451f6f66a-eVTOL+eNews%2C+Sept+29%2C+2017_COPY_01&utm_medium=email&utm_term=0_5d82db6e49-1451f6f66a-50806781&fbclid=IwAR3ODy4LplpFvzCLnqC3UGmdQGE4lzcc6vPVfm_uRkk03-1bLWbprTldMul
- ▶ 2019 Content:
https://cafe.foundation/v2/ea_eas_2019_info.php

14th Electric Aircraft Symposium

Home » 14th Electric Aircraft Symposium



VFS is again co-sponsoring the annual **Electric Aircraft Symposium (EAS)**, organized by the Comparative Aircraft Flight Efficiency (CAFE) Foundation, on **July 28-30, 2020**. Originally planned to be held as usual in conjunction with the Experimental Aircraft Association (EAA) AirVenture in Oshkosh, Wisconsin, this year's 14th Annual EAS will be held virtually! Check out our press release, [14th Annual Electric Aircraft Symposium Goes Virtual](#), July 8, 2020.

Thank You to Our Sponsors!

The CAFE Foundation and Vertical Flight Society have been working to advance electric aviation for many years and have partnered again for this year's EAS. Electric and hybrid electric powered aircraft have the potential to significantly reduce air transportation costs, carbon emissions and community noise.



The [EAS 2020 Agenda](#) is now available. [Register today!](#) A [Detailed Program Description](#) is also available.

Registration:

- Day 1: Introduction – **FREE!**
- Day 2: Technical Session – \$75 (\$40 for students)
- Day 3: Technical Session – \$75 (\$40 for students)

Register for both Day 2 and 3, and get \$25 off! (except students)

[Register](#)

Platinum Level:

Gold Level:



Upcoming Events

- ▶ August 4th EV Society - webinar
- ▶ "Future Residual Value of EV Batteries - Is There Likely To Be a Second Life?"
- ▶ Matt Stevens, Vice President of Electric Vehicles at Geotab
- ▶ https://zoom.us/webinar/register/6515955506872/WN_LT_P9I-UTBmpog4WrUrhlA



Canada Talks Electric Cars Webinar Episode #3 - "Future Residual Value Of EV Batteries - Is There Likely To Be A Second Life?"

When: August 4th, 2020

Time: 7:30 PM

Where: On-line

Electric Vehicle Society is excited to announce episode #3 of the "Canada Talks Electric Cars" webinar! This episode is entitled "Future Residual Value Of EV Batteries - Is There Likely To Be A Second Life?".



This month's guest speaker is Matt Stevens, Vice President of Electric Vehicles at Geotab. Matt is responsible for Geotab's efforts to help fleets successfully transition to electric mobility and to ensure utilities are prepared for widespread vehicle electrification. Matt holds a Ph.D. from the University of Waterloo, with a focus on electric powertrain design and battery degradation.

If you are unable to attend the webinar on August 4, it will be recorded and available for viewing on the [Electric Vehicle Society's YouTube channel](#). Please visit and subscribe.

Canada Talks Electric Cars webinar brings you Canadian leaders and experts from the electric vehicle industry and provides a forum to ask questions about a wide range of EV related subjects. Hear about the latest news and developments in our transition to electric mobility.

GREEN DRINKS - AUGUST 13, 2020 FOCUS ON MASS TIMBER



Tim Buhler,
Technical Manager
Ontario Wood WORKS!



Mark Gaglione,
Building & Materials
Science Specialist
Eliis Don



Patrick Chouinard
Founder & V.P. Business
Development
Element5



Andrew Melchers,
President
IN Engineering

Join Us
On Zoom

Hosted by



Every 2nd Thursday of the month
Now presented Online via Zoom
Please register via Eventbrite
To receive a link to join.
Space is limited

RSVP: bit.ly/GDOTTAug2020

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Ottawa-Renewable-Green-Energy-Meetup



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Green Drinks August On Zoom - Focus on Mass Timber

Join us on Thursday August 13th for Virtual Green Drinks - Focus on Mas...

Upcoming Events

- ▶ Aug 2 - Automotion 2020 - Brockville - **Cancelled**
- ▶ Aug 15 - 4th Annual EV Day in Brockville- **Cancelled**
- ▶ Sept 12 - National Capital Car Show
- ▶ Sept 26 - Oct 4 - National Drive Electric Week
 - ▶ Envirocentre - Stay tuned for details
- ▶ October 3 - GEDO - Green Energy Doors Open
- ▶ November 9-11 - EMC - EVÉ 2020 - (Toronto)

Presentations

- ▶ If you would like to present at a future meeting:
 - ▶ Send me e-mail, I will send you the template
 - ▶ Provide your slides by the Sunday before the meeting
 - ▶ I will integrate into overall presentation

Roundtable!

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Electric Vehicle Society