



Electric Vehicle Council of Ottawa

November 25, 2024

Electric Vehicle Council of Ottawa Monthly Meeting

Agenda

- ▶ AGM Reminder for January
- ▶ A Year in Review
- ▶ Getting Your EV Winter Ready - Mike
- ▶ News
- ▶ Future events
- ▶ Roundtable

Annual General Meeting

Reminder for January



EVCO & EV Experience

2024 Events Recap

Electric Vehicle Council of Ottawa (EVCO)



Ryan Knuth
Director, EVCO



This Year's Outreach

EVCO capped off another successful year of promoting and advocating for EVs.

- EVCO Kilowatts & Coffee
- EV Experience Advice & Test Drive Events
- First EVCO Poker Run

EVCO – Kilowatts & Coffee

- Held across the city at different coffee shops
- Saturdays 10a-12p – except during other events
- A chance for EVCO members, the EV-curious, or newbies to get together and chat/ask questions
- Join us! Check Facebook or evco.ca for locations



EV Experience

Locations:

- Greater Ottawa Area
- Gatineau
- Kemptville
- Renfrew
- Almonte
- Carleton Place
- Westport

Events attended:

• **12**

Test Drives & Rides:

• **105 Drives**

• **45 Rides**



EVCO/EV Experience

- New relationships for EVCO/EVX:
- CAFES
- Climate Network Lanark
- City of Ottawa
- EV-friendly car dealers



More to come next year!

We're always looking for volunteers and different EVs.

Getting Your EV Winter Ready

Electric Vehicle Council of Ottawa (EVCO)



Michael Banks
Vice President, EVCO

Winter With an EV

- Winter Myths
 - Tips and Tricks for Better Winter Driving
-

BRACE YOURSELF



WINTER IS COMING



Myth: EVs Don't Work In the Cold

- Heat pumps provide near-instant heat, no need to wait for an engine to warm up.
- Preconditioning means no scraping the windshield!
- Idle for as long as you like! There are no exhaust fumes and EVs can keep the cabin warm for **days**, even when unplugged.
- EVs can even be a backup power source during a prolonged outage like during an ice storm.



What About Being Stuck on a Highway?

- EVs can idle for many hours or even days if necessary, without risk of carbon monoxide poisoning.
- Most energy consumed by an EV is to move the vehicle, HVAC uses relatively little energy so if the car is not moving it can 'idle' for very long periods of time.
- Unlike a gas car, an EV can be left running to keep you warm while waiting for rescue or snow clearing.



Tips and Tricks to Get the Most Out of Your EV

- Preconditioning and keeping the car warm (garage?)
- Don't let charge get too low
- Heat only what you need (driver only?)
- Inflate your tires properly
- Use Eco Mode
- Battery preconditioning before charging



Tips and Tricks to Get the Most Out of Your EV

- Snow Tires are Important!
- Undercoating – Do you really need it?
- Charging outside safely
 - Charge port covers
- 240 V vs 120 V
- Booster packs

The News

November 2024

Electric Vehicle Council of Ottawa (EVCO)



Lawrence Maroun
Board Member, EVCO

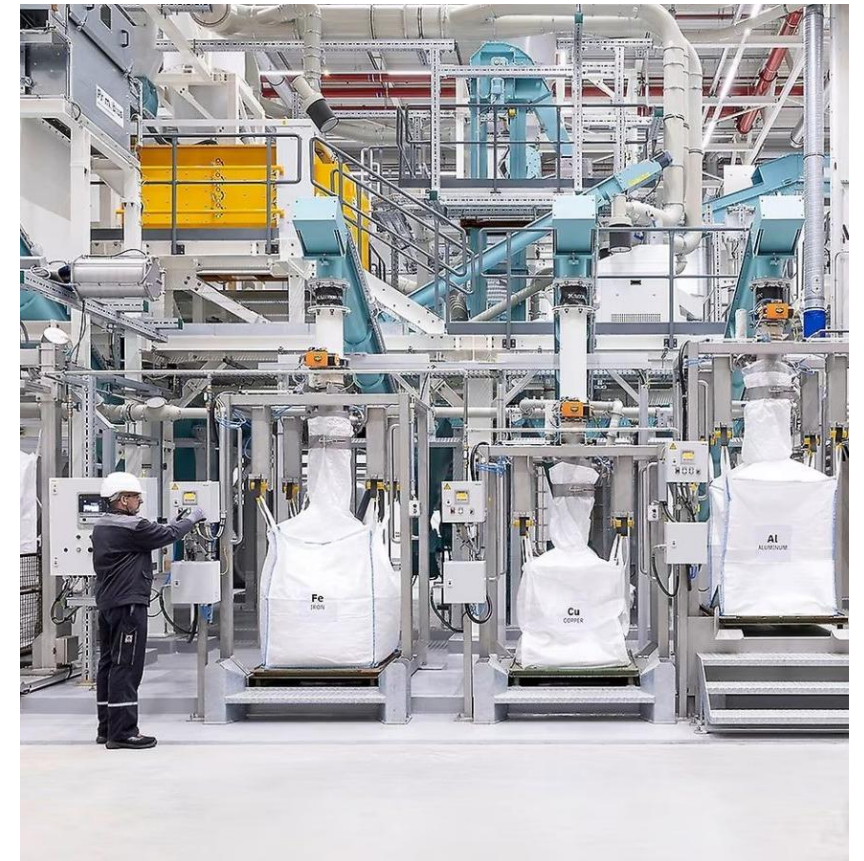
Automakers to Trump: Please Require Us to Sell Electric Vehicles

- Major automakers have invested \$146 Billion into EV development and platforms in the past three years
- Having done that, automakers are not keen on having incentives change every four years
- Auto lobbyists are calling for Biden's regulations to stay intact, except for slightly looser deadlines and lower penalties
- Source: <https://www.nytimes.com/2024/11/21/climate/gm-ford-electric-vehicles-trump.html>



Mercedes-Benz opens new battery recycling plant that recovers '96%' of battery materials

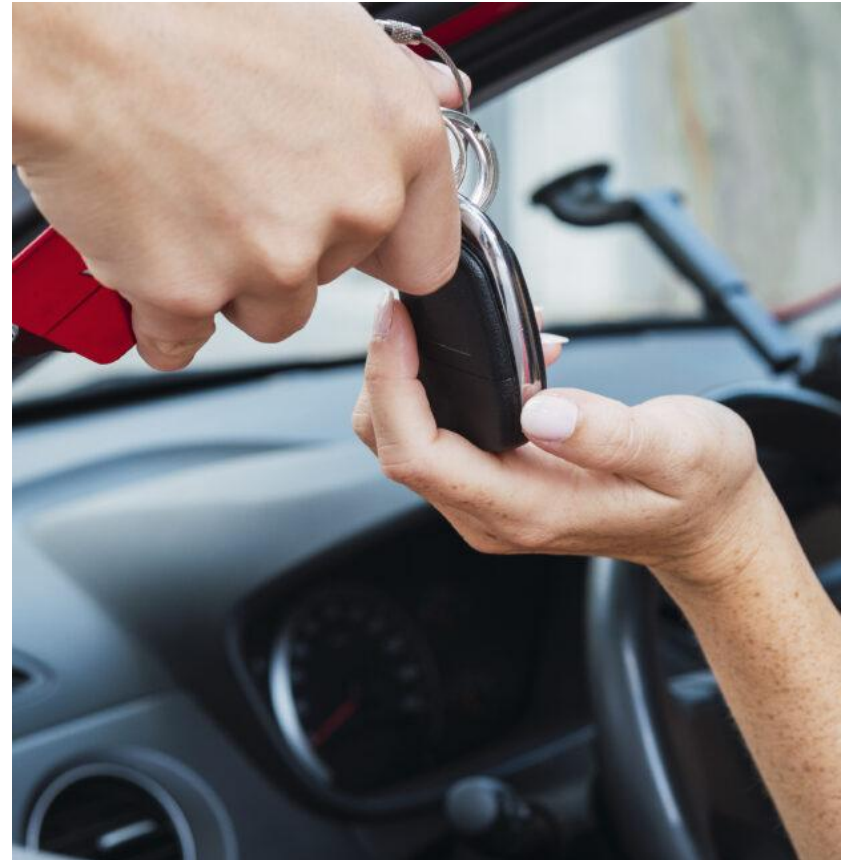
- Mercedes is opening Europe's first hydrometallurgical battery recycling plant, and it will run on renewable energy
- The plant will recover 96% of materials from 2,500 tons of batteries per year
- Recycled materials will go into new Mercedes EVs
- Source: <https://electrek.co/2024/10/21/mercedes-benz-opens-new-battery-recycling-plant-that-recovers-96-of-battery-materials/>



Secondhand EVs will flood the USA market in 2026, JD Power says

- Used EV supply is set to grow by 230% as 215,000 cars come off lease in 2026
- Supply of used EVs will shrink slightly in 2025 but surge in 2026
- This is happening because of the IRA tax credit "lease loophole"
- According to the same study, the average cost of a new EV Compact SUV dropped from \$48,600 to \$34,900 from 2022 to 2023

• Source: <https://arstechnica.com/cars/2024/11/second-hand-evs-will-flood-the-market-in-2026-jd-power-says/>



For Decades, Installing E.V. Chargers Didn't Pay Off for Retailers. Now It Does.

- According to researchers at Boston University, EV chargers near businesses result in a 4% increase in traffic and a 5% increase in spending
- Public charger locations will need to quintuple by 2030 to keep up with demand from expected EV sales
- Federal funding and apparent profitability from hosting chargers will help get to where supply needs to be
- Source: <https://www.nytimes.com/2024/11/18/business/ev-chargers-store-parking-lots.html>



CATL announces second-generation sodium battery, normal discharge at -40°C

- CATL's next generation sodium-ion batteries will go into production next year, and can retain near full usable capacity at -40 degrees
- Energy density was not confirmed, although CATL is targeting 200 wh/kg which would be in line with LFP batteries
- Sodium batteries have excellent thermal stability and charging speeds
- Source: <https://carnewschina.com/2024/11/18/catl-announces-second-generation-sodium-battery-normal-discharge-at-40c/>



The production Ioniq 9 has been revealed

- Will be built in USA and ship with native NACS
- 110 kWh pack, over 500km of range, 24 minutes 10-80%
- The second row seats can swivel to create a lounge in the back
- Source:
<https://www.theverge.com/2024/11/20/24301740/hyundai-ioniq-9-three-row-electric-suv-laas>



2025 Kia EV6 Adds More Range and Gives the GT 641 HP, Pseudo Shifts

- The refresh to the EV6 will include NACS and a swap of the charge port location to the left
- It's unclear if NACS will come to Canada for 2025
- The GT will get similar features from the Ioniq 5 N, including simulated shifting
- Source:
<https://www.caranddriver.com/news/a62967894/2025-kia-ev6-refresh-details/>



Alberta oil company promotes a hydrogen heated home

- Contradictory CBC article discusses the model home, mentioning that the hydrogen comes from natural gas, but also praising it for being zero emission
- The model home is a standalone proof of concept, it stores hydrogen on site
- The company that built it claims that hydrogen could one day be piped through the same infrastructure as natural gas
- "It can look a little scary economically, or it can look scary even technically, but what we're telling you is we can do it."
- Source: <https://www.cbc.ca/news/canada/edmonton/a-hydrogen-heated-home-in-alberta-lays-ground-for-future-low-carbon-communities-1.7389591>





Tesla announces improvements to Supercharging for non-Teslas

- Tesla will implement software that accounts for double parked EVs that take up two spaces to charge when tracking supercharger usage
- Within 18 months, stations with V4 posts will outnumber V3 posts
- Sites are being rearranged to improve cable reach

Source: <https://x.com/TeslaCharging/status/1860101088441172257?t=7JJ35YZsFeVk9ieVo8Um8g>



Acceleration boost is coming to the refreshed Model 3

- Tesla has launched Acceleration Boost in Australia and Asia, North America is coming soon
- Acceleration boost improves 0-100 km/h time from 4.4s to 3.8s

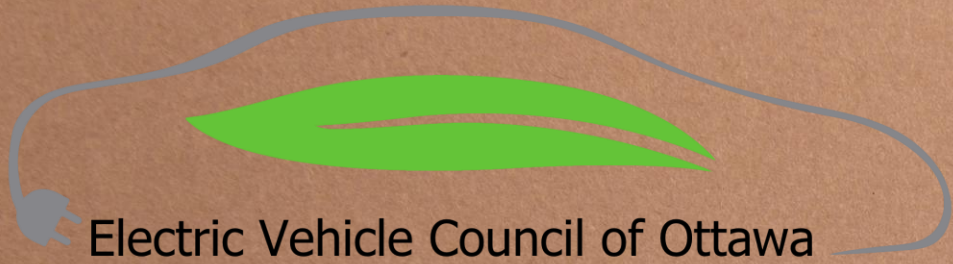
Source: <https://driveteslacanada.ca/news/tesla-adds-acceleration-boost-for-new-model-3-in-asia-and-australia-north-america-coming-soon/>

Upcoming Events



Monthly Meeting - January 27th 2025

- ▶ Will also have a Teams meeting for those who can't be there in person and to record
- ▶ Institut canadien-français d'Ottawa
 - ▶ 316 Dalhousie, Ottawa
 - ▶ Free on-street parking after 5:30PM
- ▶ Refreshments will be available (at your expense)



Electric Vehicle Council of Ottawa

EVCO Kilowatts & Coffee

Saturdays, 10am-noon.

February dates and locations:

- Nov 30th – Place d'Orleans, Orleans
- Dec 7th – Second Cup, 1715 Merivale Rd, Nepean
- Dec 14th – Place d'Orleans, Orleans
- Dec 21st – Second Cup, 1715 Merivale Rd, Nepean



Membership

- ▶ Please sign up
- ▶ Helps us with insurance and other expenses

Membership fees – New for 2024!

Plugged In

\$30/year

[Subscribe](#)

Charging

\$50/year

[Subscribe](#)

Fast Charging

\$100/year

[Subscribe](#)

Donate

As we ramp up our activities we are appreciative of anyone wishing to help fund our efforts. If you would like to provide a donation in addition to your annual membership, you can do so here:

[Donate to EVCO](#)



EVCO

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The Electric Vehicle Council of Ottawa (EVCO) is dedicated to promoting the use of electric vehicles...more

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August 2024 Monthly EVCO Meeting

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July 2024 Monthly EVCO Meeting

18 views · 1 month ago

June 2024 Monthly EVCO Meeting

62 views · 3 months ago

May 2024 Monthly EVCO Meeting

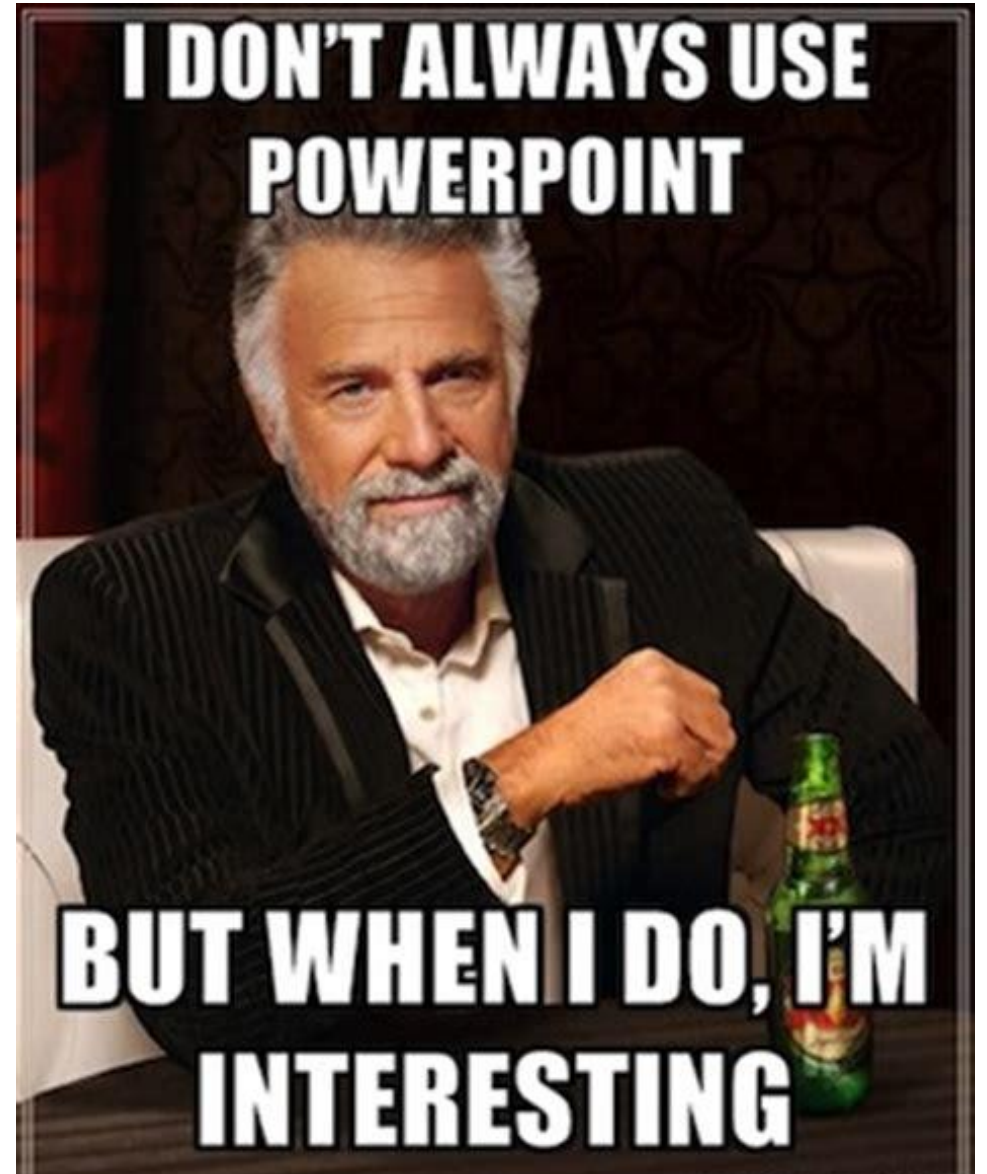
34 views · 5 months ago

April 2024 Monthly EVCO Meeting

32 views · 5 months ago

Presentations

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



LET'S GET READY TO

ROUNDTABLE!!!





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