



## March 2021 FVEAA Newsletter

Fox Valley Electric Auto Association

The FVEAA is a Not-For-Profit Illinois Corporation and the Chicago-area chapter of The Electric Auto Association

**This month's meeting is on Friday March 19, 2021 and will be VIRTUAL ONLY (NOT AT CCC) due to the Coronavirus outbreak for the purposes of "social distancing"**

We are using the Zoom video-conferencing platform to hold this ONLINE meeting. Zoom runs on all computers and phones. Some setup is required prior to your first use of Zoom on your device of choice. Connect to the meeting a bit early (6:45pm earliest) by using the link below to test your connection. Please call Ted Lowe (630-260-0424) if you want help getting Zoom installed on your device of choice. You can also dial-in on your telephone to have an audio-only connection (see phone number and meeting ID below). The audio on your device will be automatically muted upon entering the call to avoid disrupting the call.

Pre-meeting setup check starts at 6:45pm.

Meeting starts at 7pm and will run until 9pm.

Use this information to connect during these times:

Topic: FVEAA March 2020 Monthly Meeting (VIRTUAL ONLY)

Time: Fri March 19, 2021 6:45 PM CST (pre-meeting setup check), Meeting 7:00 PM

**Join Zoom Meeting (NOTE: Password has been added to link as of Nov 2020):**

<https://us02web.zoom.us/j/95901481473?pwd=UnpJVUJOUmVPOFZqR013ZFpPbzM0UT09>

Dial-in for audio-only users: Call: 312-626-6799

Enter Meeting ID when prompted: 95901481473#

Participant ID: (blank, just #) \*6 mutes/unmutes your line, \*9 raises your virtual hand

### Agenda

- 6:45 Virtual Meeting Starts (to test connections)
- 7:00 Introductions
- 7:50 Tracey M on VW ID.4 test drive
- 8:00 Rich H on upcoming Events
- 8:10 Marty B on the various home power backup options
- 8:20 Break
- 8:25 Jeff M on the various new PHEVs on the market

- 9:00 Meeting Close

### February meeting

Thanks to Tom Coleman for talking about emissions and EV adoption. I especially like how he points out where the catalysts for catalytic converters are mined. I am also glad Tracey was able to give us an update on CEJA. Also thanks to Curt for giving us a brief run down on how efficient electric cars are compared to other forms of travel. It might take less energy to ride a bike somewhere compared to driving an EV, but don't count on many other forms of transit beating an EV. Horses take immense energy per mile and even running takes a surprising amount of energy per mile compared to an EV. I also appreciated Bob's ad hoc presentation on the cost of electricity around the time of the February meeting. I paid roughly four times as much, on average, per KWH last month than I normally do in the winter, and this was driven by large demand across the whole of the grid. As many know Texas is not interconnected with the rest of the country, and they paid a price for that. The rest of the Eastern US region was having a very cold snap also, which impacted rates throughout that entire Eastern US region, including our area, even though we don't have that much exceptional demand due to most of our heat being Natural Gas based

### March meeting

This month we will open with introductions and I hope to hear an extra bit from anyone who has test drove the ID4, Mustang Mach E, or other brand new EV's on the market. I can't wait to hear the impressions people got. I have driven the Mach E, and read the reviews on the id4, so I am curious what everyone else thinks. Rich will give us an event update. Marty will then follow that up with different ways you can provide yourself electricity if we have a Texas size power outage here (everything is bigger in Texas, even the power outages). I will be wrapping it up with a presentation on the new crop of PHEV's that are out recently, or coming very soon. I realized we hadn't talked PHEV in a while, and I feel like it is worth a revisit because for many people it is a good fit, and that market has expanded quite a bit recently.

### We participated in the panel in Batavia on the 10th

Mike W, Tracey, and myself all participated in the Batavia Green Night Out panel. We fielded all sorts of questions including one on synthetic fuels. To me synthetic fuels are fuels made out of Hydrogen from water, and Carbon from the air. Splitting water and CO2 is energy intensive and requires some really large source of energy, and obviously for this to make sense that energy can't be carbon emitting. There is a pretty long list of companies grabbing CO2 out of the atmosphere and mixing it with Hydrogen to make synthetic fuel. These discussions of synthetic fuel seem to be triggered by Porsche, as they recently started advertising that they have a plan to provide synthetic fuel for their gas burning cars. They didn't mention how much it would cost per gallon, but if it has a Porsche label on it, you can expect that to be very expensive!

### Carbon Capture and creation of fuel

<https://www.nature.com/articles/s41467-020-20214-z>

Article on carbon capture to fuel process

Google "carbon capture and conversion to fuel" for more results if you want to learn more. My take away from those articles is that creating fuel in that way costs AT LEAST \$4 a gallon and you can pretty well count on it costing much more once it is delivered to a nearby destination. Transitioning liquid fuels from crude oil onto renewable carbon capture created synthetic fuel would allow us to keep our existing auto fleet running while we build out the EV's. The market forces will drive EV adoption due to how efficient they are and due to liquid fuels becoming more expensive as they truly reflect the cost to capture the carbon they emit. I would see this as a phase in approach where each year we add 10% carbon neutral liquid fuels to the total supply, meaning in 10 years we could still have gas stations, but the source for those

stations would all be carbon capture based renewable power driven fuel. Would this increase the cost of liquid fuels, of course, but it should do it slowly enough that it won't shock the market as badly. It would allow market forces to set the prices of fuel, and allow people to still drive their vehicles, but the fuel would be carbon neutral. We would still have particulate emissions, NOX, but it would drastically reduce our Sulfur issue, as synthetic fuels shouldn't contain any Sulfur. The higher price of fuel would drive more adoption of EV's or other more efficient vehicles.

### **Bolt deals continue on the 2021's**

I was digging around on the internet and there are already smoking deals on the 2021 Bolts with \$8500 from GM and \$3000 from Costco. They are offering the same discounts on the 2020's and the 2021's, which is very unusual this early in the year.

### **Articles I found interesting:**

<https://jalopnik.com/mileage-taxes-will-probably-punish-ev-owners-and-that-1846476616>

Per mile or per Kwh taxes on EVs makes more sense than just applying a flat plate tax like most of the country has already done. Both of those taxes though aren't easy to deal with due to privacy concerns and home charging. For states that have annual inspections it could make sense to check the mileage each year at the inspection. The reality is that taxing EVs now is just a way to slow adoption, and the country should follow Vermont and wait until EVs are a substantial portion of the fleet first.

<https://insideevs.com/news/494212/kia-reveals-ev6-first-dedicated-electric-car/>

<https://jalopnik.com/the-alpha-wolf-is-the-coolest-ev-truck-weve-seen-yet-1846471837>

<https://jalopnik.com/canoos-new-pickup-truck-is-the-anti-cybertruck-because-1846455337>

<https://arstechnica.com/cars/2021/03/federal-investigators-blast-tesla-call-for-stricter-safety-standards/>

<https://jalopnik.com/electric-car-ownership-stories-1999-peugeot-partner-el-1846436550>

<https://amp.cnn.com/cnn/2021/03/11/cars/canoo-electric-pickup-truck/index.html>

<https://insideevs.com/features/492628/video-tesla-model-y-vs-mustang-mach-e-ioniq-5/>

<https://www.carwow.co.uk/news/4655/nissan-ariya-electric-suv-revealed-price-specs-release-date>

<https://jalopnik.com/heres-how-to-test-drive-the-new-polestar-2-when-the-aut-1846364407>

<https://arstechnica.com/cars/2021/02/were-3x-more-likely-to-buy-an-ev-if-weve-ridden-in-one-survey-finds/>

<https://arstechnica.com/cars/2021/02/hyundai-will-recall-82000-kona-evs-to-replace-batteries/>

<https://arstechnica.com/cars/2021/02/maryland-school-district-places-largest-ever-order-for-electric-buses/>

<https://arstechnica.com/cars/2021/02/two-days-with-a-volkswagen-id-4-heres-what-we-learned/>

<https://arstechnica.com/cars/2021/02/this-crisp-looking-crossover-is-hyundais-next-ev-the-ioniq-5/>

<https://arstechnica.com/cars/2021/02/consumer-reports-creates-a-green-choice-for-vehicle-reviews/>

I do not directly hold any interest in any car manufacturer or any of their subsidiaries

(if a company is part of an index fund then I might own the index fund)

## Upcoming Events

Rich Hirschberg

### The 2021 Midwest Green Car Expo (MGCX)

Saturday, Sept. 25<sup>th</sup> from 10 am to 4 pm

240 N. Grove Ave. (the old library lot), Elgin, IL 60120

We are planning for the largest gathering of AFVs, EVs, and Hybrids in the Midwest. The expo will showcase all kinds of vehicles (2 wheels, 4 wheels and 6 wheels) powered by batteries, natural gas, propane, biodiesel, ethanol, fuel cells, and human beings. We are inviting businesses, organizations, clubs, and individuals that support these various types of vehicles and infrastructures.

We have lots of cool things planned – "National Drive Electric Week" ride-n-drives, the EAGL Awards, educational talks, and incredible displays & vehicles. And we are partnering with the Chicago Area Clean Cities Coalition (CACC) and the Elgin Area Convention & Visitors Bureau (EACVB) to increase our reach from Northern Illinois to Southern Wisconsin and Northwest Indiana.

For more info on the 2021 MGCX, registration, sponsorships, and booths - <https://TheMidwestGreenCarExpo.weebly.com>

\*\*Questions, concerns, suggestions: Attn: Chairman – [MGCX@yahoo.com](mailto:MGCX@yahoo.com)

For more info on National Drive Electric Week -

<https://driveelectricweek.org/event.php?eventid=2647>

### **AND stay tuned for the mid-July Home Depot Car Show**

#### Schaumburg Home Depot's Summer Celebration

Date: mid-July 2021

Fee: \$ for participants, public - FREE

Times: tba

A showcase for all kinds of vehicles.

As a club, we need to show the rest of the area the "EV Grin".

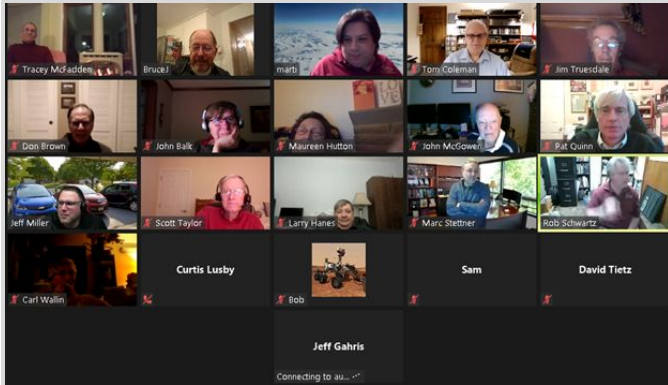
With a prize closet overflowing with Home Depot goodies, everyone will leave with something cool. Trophies, music and possibly a food truck or two depending on the Village of Schaumburg

Benefitting the local food pantry, the Streamwood VFW's "Operation Airlift" and the Ranch of Hope Rein. Non-perishable foods will be collected as well as items for Operation Airlift (list to follow soon).

Website under construction. Stand by.

## Photos of our Meeting in February

Bruce Jones

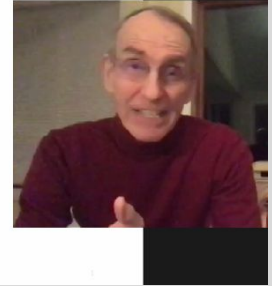


Meeting attendees!



## Clean Energy Jobs Act (CEJA) Update

Tracey E. McFadden  
FVEAA Illinois Clean Jobs Coalition Representative



Tracey gives an update on the Clean Energy Jobs Act which was reintroduced on Feb 9, 2021



Rich Hirschberg promoted the March 10 Green Night out at the Movies in Batavia

## Green Vehicles

Curtis Lusby



Curtis Lusby (a friend of Jeff Miller's from Arizona!) presented on Green Vehicles. He is writing a book and wanted members to read it and provide feedback. Thanks Curtis!

## Conclusion

- EVs have the lowest total cost of ownership
- EVs have the lowest socialized cost of carbon
  - Lowest poisonous pollution/health impact
  - Lowest greenhouse gas pollution/climate impact
  - Lowest National Security challenges and costs
- EVs are high efficiency transportation
- They are high performance transportation
- They are simple, low maintenance vehicles



## Transportation as an Urgent Priority Fox Valley Electric Auto Association



Tom Coleman  
Climate Reality Leader & EV Campaign Leader  
Fox Valley Electric Auto Association  
Naperville, Illinois  
[thomas.f.coleman@outlook.com](mailto:thomas.f.coleman@outlook.com)

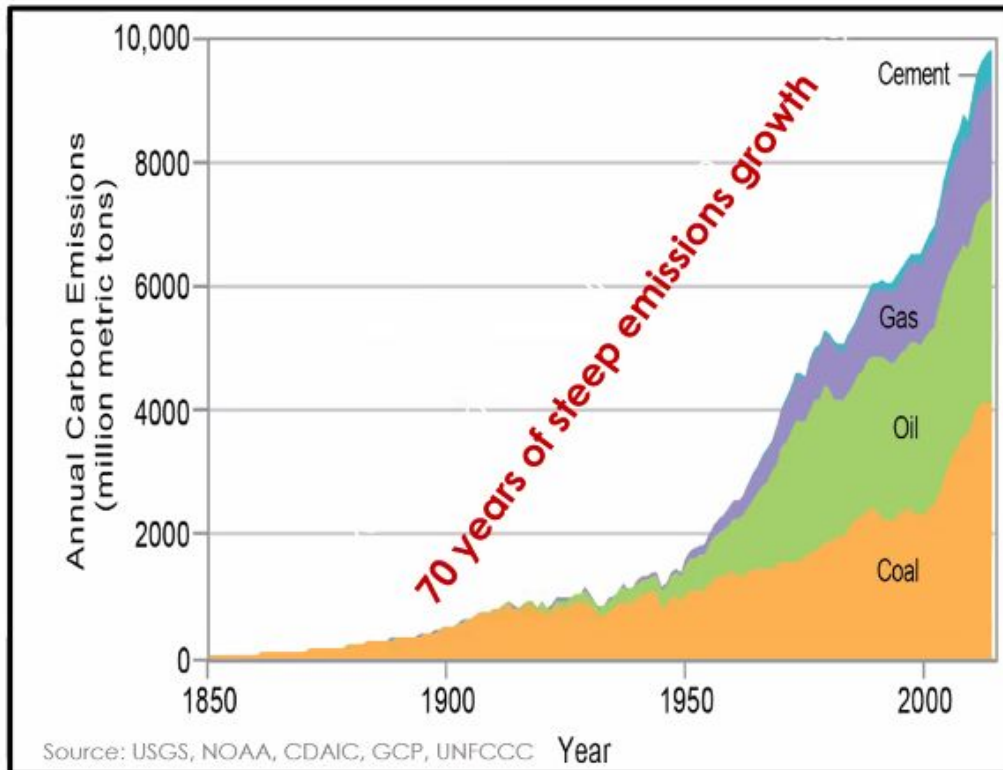


### Agenda

- Emissions Challenge
- EV Total Cost of Ownership
- Automaker EV Plans
- Country EV/ICE plans
- Electric Vehicle Deployment
- Conclusion

Tom Coleman provided an excellent presentation on Transportation as an Urgent Priority. Very well done TOM!

# Steep RATE of Fossil Fuel GHG Emissions by Fuel Type



From Tom's presentation

**New FVEAA Website Online! Login and check it out!**

Ted Lowe

Hi Folks, If you haven't logged in to our new website already, please check your email for instructions and login as soon as you can! Please let me know if you have any questions. Thanks, ted



# FVEAA Web Report

as of 2021-03-16 04:58:11

## Website Registered User Statistics

Statistic	Value
Total Users	75
Users Never Logged In	31
% Active Users	58.7%
Ave. Days Since Last Visit	206.0 days

**FVEAA On Facebook - Join Us! Like Us!**

Ted Lowe

In October 2015, I created a **Facebook group for the FVEAA** and invited all the past and current FVEAA members I know that are on Facebook. There are 86 members as of 3/11/19. If you're on Facebook but not in the group, yet please join us! If you're not on Facebook yet, please consider joining so you can join our group there! This group supplements our forums because it is much easier to use, read, post pictures and videos and get notifications. Please let me know if you have any questions/comments/suggestions. Hope to see you there! <https://www.facebook.com/groups/889497691136309/>

Grant Gerke started **FVEAA's Facebook Page**. Like Us!

<https://www.facebook.com/FoxValleyElectricAutoAssociation>

**FVEAA On YouTube - Check out our videos!**

Ted Lowe

The **Fox Valley Electric Auto Association** has a YouTube channel! Subscribe to us and check out our videos! We've had this channel for many years but we're going to start using it more to attract new members and promote EVs. Please let me know if you have some FVEAA-related videos to post.

[https://www.youtube.com/channel/UCg\\_Pgp6q-HEuMICWMO2akPw](https://www.youtube.com/channel/UCg_Pgp6q-HEuMICWMO2akPw)

**Membership Update**

Ted Lowe

We currently have **61 active paid-up** members. Many members have taken advantage of the multi-year renewals offered by the new website! **Please renew** & recruit new folks!!!



## FVEAA Membership Report

as of 2021-03-16 04:58:11

### Count of Members by Type

Membership Type	Count	Paid Up
Business	1	
Family	3	3
Individual	57	56
Lifetime	2	2
Totals	63	61

### Other Statistics

Statistic	Value
% Paid Up	96.8%
Avg. Paid Up Days	356.0 days
% With Email	95.2%

### Encouraging Our Membership To Grow and Some History

Ted Lowe

We live in a large metro area with 8 million people and EVs are the latest buzz so we should be able to grow the FVEAA! **Please invite your friends, neighbors, family, colleagues**, etc. to FVEAA meetings and Events. Volunteer to attend Events on behalf of the FVEAA (with or without an EV)! Your ideas on how to help grow the FVEAA are welcomed at any time, thanks! Howard Hansen had a **great idea...** giving an FVEAA membership as a gift!

Here is a time-varying graph of our membership size from 2007 to now. Note that we peaked at 255 members in October 2008 when gas was nearing \$5 per gallon. We were also attending lots more invitational Events with our converted EVs. The first Tesla Roadster was just coming into being. **Let's get out there and grow the FVEAA!!!**



## FVEAA Paid Up Members as of March 16, 2021 9:43am



### Monthly Treasurer Reports

Ted Lowe

As Treasurer, I am publishing a brief Treasurer's Report to our forums around the time our monthly newsletter is published.

I am publishing our various cash balances (Money Market, Checking, PayPal) to this location:  
[FVEAA Committees](#) > [Finance](#) > [Treasurer Reports](#)

This area of the forums can only be seen by FVEAA members. As an IL Non-Profit corporation, we have no requirement to publish our assets or financial statements publicly.

Feel free to contact me if you have any FVEAA financial matters to discuss.

### Membership Renewals

Ted Lowe

Our membership system sends out "renewal reminder emails" before your membership is due. You will receive up to 3 before being marked "not renewed" (inactive). The sooner you renew, the fewer emails you will receive :) So please pay attention to your email from the FVEAA and renew online using this link (for the easiest approach for all of us):

<https://www.fveaa.org/renew>

**THANK YOU for your continued support of the FVEAA!**

### Meeting Minutes - February 19, 2021

Bruce Jones

Jeffrey Miller, President, called the virtual meeting to order 7:04 pm.

- Tracey McFadden gave us an update on the important Clean Energy Jobs Act which was reintroduced on Feb 9, 2021
- Rich Hirschberg promoted the Green night out at the movies featuring “Current Revolution” to be shown March 10th in Batavia
- Curt Lusby in Arizona wrote a non-technical book on how to deal with atmospheric CO2, how to cut emissions, etc. He wants us to review the book draft and provide feedback
  - Send him a note at [curtlusby@gmail.com](mailto:curtlusby@gmail.com) if you want to review it
- Bob provided a link to a facebook event by representative Sean Castin,
  - [Sean Castin event](#)
  - And a Volt cannonball run story on Torque news
  - <https://www.torquenews.com/8861/chevrolet-bolt-ev-set-cannonball-run-record-and-no-one-noticed>
- Tom Coleman provided an awesome presentation on Transportation as an Urgent Priority.
  - Including detailed and multiple views of total cost of ownership
- Great meeting thanks EVeryone!
- The meeting ended at 9:29 pm

**FVEAA Membership Application Form - Version 2014-01-01**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City, State Zipcode: \_\_\_\_\_

Phone: \_\_\_\_\_ Phone Type: Home \_\_\_ Work \_\_\_ Cell \_\_\_

Email: \_\_\_\_\_

Please check one: New Member \_\_\_\_\_ Renewal \_\_\_\_\_

How did you hear about the FVEAA ? \_\_\_\_\_

**Membership Types and Annual Dues** (please circle one):

Individual	\$20
Business	\$100
Premier Business	\$250
Charter Business	\$500

**Newsletter Delivery Type** (please circle one): No Newsletter      Electronic

Please make checks payable to "FVEAA" and postal mail it with this membership application form to:

**FVEAA**

**PO Box 214**

**Wheaton, IL 60187-0214**

Attn: Membership

**EV Converters LLC**

Rolly Waller  
1401 Burr Oak Rd, Unit 208 C  
Hinsdale, IL 60521  
Cell: 630-865-5744  
Email: [rollywaller@gmail.com](mailto:rollywaller@gmail.com)



EVC will become a Franchisor (when the US government approves the conversion rebate) to appoint Franchisees (eg, service stations, oil change shops, transmission shops, independent mechanics, etc.) to convert Internal Combustion Engine (ICE) vehicles to electric vehicles (EV).