



July 2022 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 **July 15, 2022**
7:00 p.m. and will be **IN-PERSON** and **VIRTUAL**

NOTE DIFFERENT MEETING LOCATION FOR JULY

DuPage County Forest Preserve District
3S580 Naperville Rd, Wheaton, IL 60189

MAP

[Google Map](#)

We are using the Zoom video-conferencing platform to hold this **HYBRID** 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 starts at 6:45

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

Topic: FVEAA July 2022 Monthly Meeting

Time: Fri July 15, 2022 6:45 PM CST (pre-meeting setup check), Meeting 7:00 PM

Join Zoom Meeting:

<https://us02web.zoom.us/j/95901481473?pwd=U npJVUJOUmVPOFZqR013ZFpPbzM0UT09>

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

Contact us if you need the password for audio only calls.

Topic: FVEAA July 2022 Meeting

Time: Fri July 15, 2022 7:00 PM CST

Agenda

- 6:45 Virtual Meeting Starts (to test connections)
- 7:00 Drew Bergenthal for update on DuPage County Forest Preserve
- 7:15 Introductions
- 8:00 Chris showing his Rivian pickup
- 8:20 Rich Hirschberg sharing what he knows about a used conversion
- 8:50 Rich Hirschberg will give an update on 2022 Events
- 9:00 Close

President's Words

Jeff Miller

Please pay special attention to the events section below, let's spread the word!

June Meeting

Thanks to Garlan for another excellent presentation, and Bruce has a summary below for those who couldn't attend, like me. Thanks to Tracey and Simon for holding down the fort in my absence.

July Meeting

Drew from DuPage County Forest Preserve is going to give us an update on their fleet. Last year he discussed their plans to electrify their fleet, and discussed how so many of the people like driving the Chevy Bolt's. I am hoping he has news about other electric vehicles joining their fleet soon! We will then have the privilege of drooling over Chris's Rivian pickup truck, so be ready with your questions for him. Rich is going to wrap the meeting up with an update on events, including the July 23rd event, and also letting us know about an EV conversion / repair project vehicle he is considering. This is still in progress, so we will all be finding out together what he is going to do.

My Model 3 fast charging experience continues to evolve

Following up on my discussion around fast charging at the 250KW stations in the 2020 Model 3 I once again saw the battery heater running during the early part of the charging cycle over the weekend. I was charging at the new 250KW station on the Northeast side of Normal IL at 11:15AM on a sunny and warm Sunday and went from 18% to 71% in 15 or so minutes. The difference from my previous experience is that this time I drove a couple of blocks and parked for lunch at Portillo's instead of jumping on the interstate. As I walked towards the Portillo's door the AC was running quite loudly, presumably extracting heat from the battery to get it back down to a post charging temp. After lunch at Portillo's it was quiet again, and I drove another 2 miles to the party at my brother's house. As I recall I got out with it at 70%, but it could have fallen one more percent.

When the party was over the battery was showing 66%. I didn't precool the car, and cabin overheat is set to use fan's only. The fans and so forth could have been enough to drop it down those few percent over the 7 hours I was there, but that seems high to me. I was wondering if the temperature change in the battery caused it to lose some of that energy. It makes sense, because the battery must have been quite

warm when I finished charging it, and if I immediately start driving again, then I will be using that energy before the battery cools enough to lose access to it. We obviously see this happen in the winter, when we park a hot battery and come back many hours later to much less capacity.

I suppose it's also worth noting that in the cases of winter losing energy due to cold, if you have a high enough state of charge to give time for the battery to warm back up again you will actually regain access to that energy. The problems come in if you park in winter with a hot SOC of only 20% and come out to a cold SOC of 5% or so. In that case slowly driving the car (assuming no charging at the parking spot), with climate control off, will warm the battery up, and you could actually see your SOC climb as you drive very slowly to the (hopefully) very nearby charging station.

I also saw it running the battery heat at an older 150KW station in Rockford, so it isn't limited to only the 250KW stations like I previously thought. In both of these cases I was the only car at the charging stations, so it wasn't sharing capacity with any other vehicles.

I have also recently seen the opposite happen. I charged my car to 83% during a cool night, and the next afternoon, when it was 90+ degrees outside, the battery was showing 85%. It's nothing to panic or even get concerned about, it's actually a good thing that Tesla is continuing to refine their displayed SOC to reflect what the battery can actually do at that time. I feel like it's up to us to learn about those behaviors and use that knowledge to make living with our cars a better experience.

I still get frequently asked about how often I have to wait to charge my car, and it still hasn't happened to me, with the only exception being in Austin Texas back in 2017. To be honest the car tried to convince me to go past that station, but I ignored it and stopped anyway, so you could argue it was my fault I arrived at a full station. I still maintain that Tesla is well ahead of the other vehicles in the area of route planning and managing the cars moving around the country across their charging stations. As they get to having stations every 50 miles, this will become even easier for them to manage where cars stop so that there will rarely be any waiting at the stations. I have certainly passed by plenty of gas stations with lines of people waiting to fill up, even though gas prices were at record highs at the time. I suppose that is an area where the Tesla is actually better than a gas car, it will try very hard to arrive at a station that isn't full where the gas car has no concept of the number of pumps at a gas station, let alone how many will be in use when you arrive. As a result it is pretty easy to end up waiting for a pump at a Toll Way gas station, where the Tesla probably won't be waiting to start charging.

I suppose this is the point where I should mention that Tesla has announced that they will be making their stations dual purpose both Tesla and J1772-CCS. I don't know how long this will take, but I have heard that to use it you will have to install the Tesla mobile phone app to authenticate. Obviously Tesla in Europe did this a long time ago, so it should be reasonably well sorted out by the time it happens here. Tesla is also planning to release a J1772-CCS to Tesla adapter to allow Tesla's to use the other infrastructure.

Obviously I never wait to fill up when driving locally, my car has a dedicated station in my garage! I see lines of cars at Costco and Sam's all the time. I remember my last trip to Sam's to fill up my gas car, and how long it took. I took a picture to remember that experience, and how horrible it was. I used to fill up about every two weeks, and it wasn't convenient or quick. The few minutes I have to stop and charge on long trips are more than made up by the lack of those routine stops the rest of the time.

The Langham Taxi on hold

Pat has left The Langham Hotel for a new job, so the management there is trying to figure out what to do with the now massive gap in experience at their hotel. We are hoping that they will revisit this project once things settle down. It might not happen in the end, and that would be sad, but it's also a bunch of money that they could just buy a Jaguar I-Pace with, and turn the Taxi into a lobby showpiece instead of a driving showpiece.

Events

NDEW (**National Drive Electric Week**) Events are being planned now, check below for links to them and sign up to volunteer and/or bring your EV.

I just signed up for the **Geneva Concours d' Elegance**, see the instructions below from Tracey for the details on how to do the same.

Articles I found interesting:

<https://arstechnica.com/cars/2022/07/heres-one-way-we-know-that-an-evs-battery-will-last-the-cars-lifetime/>

<https://www.caranddriver.com/news/a40543385/north-carolina-wants-remove-free-public-ev-chargers/>

In case you forgot it was an election year politicians like this want to make sure we show up and vote.

<https://arstechnica.com/science/2022/07/energy-charter-treaty-makes-climate-action-nearly-illegal-in-52-countries/>

Worth reading to remind us of how entrenched oil companies are.

<https://arstechnica.com/cars/2022/07/volkswagen-starts-building-the-first-of-six-battery-gigafactories/>

<https://arstechnica.com/science/2022/07/a-solid-electrolyte-makes-durable-sodium-batteries/>

As always with battery news a grain of salt is required, this just happens to provide a bit of irony. As the article makes clear, this probably won't displace lithium car batteries, but take some of the other demands.

<https://www.advrider.com/goodbye-ice/>

Readers of this newsletter no doubt see this coming, however it's going to be quite disruptive.

<https://arstechnica.com/cars/2022/06/not-your-grandpas-ride-the-2023-cadillac-lyriq-tested/>

<https://arstechnica.com/cars/2022/06/solid-state-batteries-for-evs-move-a-step-closer-to-production/>

<https://arstechnica.com/cars/2022/06/bmw-reveals-its-newest-sport-racer-the-m-hybrid-v8/>

Upcoming Events - Summer/Fall 2022

Rich Hirschberg

Sat., **July 23**, The 5th Annual Summer Celebration Car, Truck, & Motorcycle Show, Schaumburg, IL

- Schaumburg Home Depot, 100 Barrington Rd., 60194
- 10 am to 4 pm
- **Volunteers needed to help!**
- Food Truck from "My Cocina Grill", Streamwood, IL
- Trophies, door prizes, silent auction, Home Depot vendors, music, etc,
- Benefiting the Schaumburg Township food pantry and the Hanover Park VFW's Operation Airlift.
- Participants: \$10 & perishable food items & items off the **Operation Airlift** list
- For more info and for the Operation Airlift donation list, go to...
 - <https://HomeDepotVehicleShow.weebly.com>
- All kinds of vehicles are invited, but this gives our club a chance to really show off our different EVs, share stories, and talk about "the EV grin".

Sun., **August 28**, The Geneva Concours d' Elegance Auto Show

- This premier auto show has thousands of attendees and hundreds of vehicles from around the country. It is a great opportunity to display our electric vehicles and talk about EVs and the FVEAA.
- Geneva, IL - arrive by 9 am to 4 pm
- Download registration form at:
<http://genevaconcours.net/Media/Media-pdfs/GC-car-club-registration-21-pdf-version.pdf>
- Under the Car Club Information section enter:
Name of Car Club - FVEAA Club Region - Naperville/Fox Valley
Club Contact - Tracey McFadden Contact Number - 630-365-5773
- Registration form **must be mailed** with a check for \$20. The tax-deductible proceeds go to Living Well Cancer Resource Center, Geneva IL.
- Please mail your registration early to ensure we get some parking slots as this event fills up quickly.
- More information is available at: <http://genevaconcours.net/index.htm>

2022 Geneva Concours d'Elegance

Sunday August 28, 2022 -10:00am to 4:00pm.

Classic Car enthusiasts will gather again this year in Geneva, Illinois to view a beautiful collection of antique, classic and modern automobiles. Participants from all over the Country will display their prized automobiles on Third street and some will be awarded one of the coveted "Benz" Trophies. Third Street is the heart of Geneva's charming downtown shopping district lined with shops, restaurants, parks and historical buildings. This event was open to the public at no cost making this a wonderful family event with something for everyone to enjoy and marvel. The Geneva Concours d'Elegance is a great opportunity in the area to view this fantastic collection of award-winning, unique and rare automobiles.

GENEVA CONCOURS *d'Elegance*

Sunday August 28, 2022 -10:00am to 4:00pm.

Sign up and bring your EV for a
fun day in beautiful Geneva, IL



Sat., **Sept. 24**, National Drive Electric Week Event - NORTHERN EVENT

- Location: East or West Dundee, IL
- 10 am to 4 pm

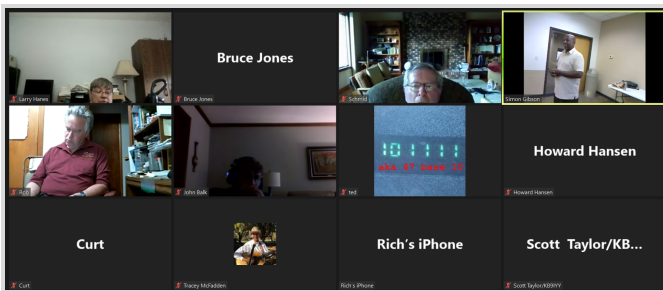
- Featuring many different EVs, Ride-N-Drives, alternative fuel vehicles, EAGL Awards.
- Free to attend & display your vehicle

Sat., Oct. 01, National Drive Electric Week Event - SOUTHERN EVENT

- Location: Fox Valley Mall, Aurora, IL
- 195 Fox Valley Center Aurora, Aurora, IL 60504-4106
- Times: TBD
- Featuring many different brands and club member's EVs, Ride-N-Drives, the EV Grin.
- Free to attend & display your vehicle
- <https://driveelectricweek.org/event?eventid=3374>

Photos of our Meeting June 17, 2022

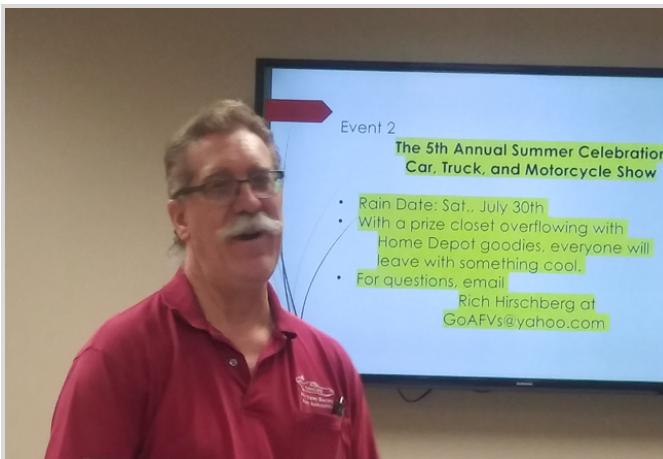
Bruce Jones



Attendees on-line, plus we had ten at CCC



VP Tracey McFadden ran the 6/17/2022 meeting



Rich Hirschberg reviewed exciting EV shows coming up the next five months



Here ye, hear ye, come one and all to the EV events this Summer!



Garlan Garner gave a terrific update on Tesla's FSD artificial intelligence. Thanks much Garlan, for the fascinating stories and insights into this world - changing technology.



Simon provided a quick run-down on the pink taxi project



DNV a Norwegian consulting company sought out Tracey McFadden, and Tom Coleman

Introducing our speakers

Lisa Harmon Director of Electric Vehicle Programs DNV	Gomathi Sadhasivan Director - Customer Decision Sciences DNV	Tom Coleman Chapter Chair Electric Vehicle Campaign Task Force Climate Reality Project	Tracey McFadden Vice President Fox Valley Electric Auto Association

↑ ↑
And they presented on EVs at a DNV corporate event 6/16/2022



Login to our FVEAA website for access to lots of member-only tools!

Ted Lowe

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



FVEAA Web Report

as of 2022-07-12 04:58:10

Website Registered User Statistics

Statistic	Value
Total Users	91
Users Never Logged In	33
% Active Users	63.7%
Ave. Days Since Last Visit	460.4 days

FVEAA On Facebook - Join Us! Like Us!

Ted Lowe

The **FVEAA Facebook group** has 119 members as of 1/17/22! 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/>

Here is the **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

Membership Update

Ted Lowe

We currently have **68 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 2022-07-12 04:58:10

Count of Members by Type

Membership Type	Count	Paid Up
Business	1	1
Family	3	3
Individual	62	62
Lifetime	2	2
Totals	68	68

Other Statistics

Statistic	Value
% Paid Up	100.0%
Avg. Paid Up Days	335.1 days
% With Email	97.1%

Encouraging Our Membership To Grow and Some History

Ted Lowe

We are growing! 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 EEvents. Volunteer to attend EEvents 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 EEvents 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 July 12, 2022 10:47 am



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!

INTRODUCTIONS

- >>Thanks to Simon Gibson who set up the video/audio gear for our hybrid meeting, filling in for Marty, and to Tracey McFadden who nicely filled in as host to run the meeting since the president, Jeff was unavailable<<
- Tracey opened the meeting at 709 and held introductions all around the room and on-line
- Tracey and Tom Coleman spoke on 6/16 at a corporate Event “Meaningful Electrification - Webinar Series” sponsored by DNV, a Norwegian consulting company. They sought out Tracey and Tom to speak.

Artificial Intelligence - Garlan Garner

- Garlan returned this month to provide a fresh update on Tesla’s artificial intelligence technology used in their Full Self Driving electric vehicles.
- He works on the AI software and gave many insights into the decisions that AI makes thousands of times per second to keep Tesla passengers safe.
- Lots of stories and interesting facts, like why would AI treat dogs completely differently than cats? Cats don’t walk backwards so cars would need to maneuver differently to avoid them .

UPCOMING EVENTS

- Rich Hirschberg presented our MANY upcoming EVents - see the growing list!
- Remember we each need to individually register for the Geneva Concourse D’Elegance.

1940 Ford

- Of note.. Dave Martinson all the way from Fox Lake – working on his 1940 Ford conversion from small block to electric, has 10 Tesla batteries, a NetGain hyper9 motor but is still waiting for his Canadian - made EV adaptor plate

Pink TAXI

- Simon provided a quick update on the Pink Langham hotel Taxi project

NEXT MEETING IS FRIDAY July 15, AT A DIFFERENT LOCATION - DuPage County Forest Preserve District headquarters.

ADJOURN

- The meeting adjourned at 8:56 p.m.

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

FVEAA Business Members

EV Converters LLC

Rolly Waller
130 Windsor Park Dr, C121
Carol Stream, IL 60188
Cell: 630-865-5744
Email: 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).