



May 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 May 21, 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 May 2020 Monthly Meeting (VIRTUAL ONLY)

Time: Fri May 21, 2021 6:45 PM CST (pre-meeting setup check), Meeting 7:00 PM

Join Zoom Meeting:

<https://us02web.zoom.us/j/95901481473?pwd=UnpJVUJOUmVPOFZqR013ZEpPbzM0UT09>

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.

Agenda

- 6:45 Virtual Meeting Starts (to test connections)
- 7:00 Introductions
- 7:50 Chris Young on controlling an OEM motor in your conversion
- 8:10 Rich Hirschberg on upcoming Events
- 8:15 Break
- 8:20 Jeff Miller on fixing the Volt, how we did it, and how much it cost

- 9:00 Meeting Close

April meeting

I enjoyed the stories of everyone's first EV grin experience. I appreciate Marty giving his thoughts on backup power for your house. Hopefully everyone found my thoughts on PHEV's useful, I get that some of us are all in on going full electric, including me, but the whole population isn't quite ready yet, and a PHEV is a good way to get our emissions down for local runs. As always thanks to Rich for the event update.

May meeting

As we kick off the meeting I would like to hear your reasons for wanting to go ev or phev even if you haven't purchased one yet. Chris Young is going to give us a brief update on the cool tech to integrate an OEM drive unit with your conversion project. Then I will talk about how we went about fixing the 2012 Chevy Volt. This is a follow on to last month where I gave the history of why the sensor was added and why it breaks all the time. You can do this mod proactively if you have had issues with your Gen 1 Volt under warranty, just make sure you disconnect the 12V battery in the trunk first. The car monitors this sensor regardless of the car being on or not.

June meeting

Why am I writing about June in the May newsletter?
Because it will be our **first online / outdoor event in over a year!**

Location: DuPage Forest Preserve District Headquarters
3S580 Naperville Rd., Wheaton, IL 60189
Outdoors in the parking lot.

Date: Friday, June 18th, 2021

Times: 7 to 9 pm

Come out and breathe some fresh air.

Vaccinations

If you are able to safely get vaccinated, and haven't already, the state of Illinois is open for everyone 12 and up!. Please get vaccinated. We want to have events this summer and I will feel better if everyone who can safely get vaccinated does. At this point the two shot versions have been administered to a sizable portion of the world and continue to be distributed with minimal issues. I will speak from experience when I say that it will make you feel not the best the day after the second shot. It isn't always possible to take time off, but if you are lucky enough to schedule it in the afternoon before a quiet day in your calendar that would be best. I was lucky enough to get a Friday afternoon appointment and it was nice to lay on the couch and do nothing on Saturday after the second shot.

Articles I found interesting:

<https://themidwestgreencarexpo.weebly.com/>

Rich is organizing things!

<https://canbustools.com/collections/frontpage/products/chevy-volt-2011-2015-shvcs-defeat-plug>

The Volt bypass part that you might order if you are a Gen1 Volt owner. It is also worth mentioning that if your Volt battery reservoir level sensor issues might be related to the wiring harness modification done at the dealer for the earliest Volts.

<https://jalopnik.com/this-guys-one-garage-will-take-you-through-the-history-1846896484>

Honda EV+ is a new one to me

<https://arstechnica.com/cars/2021/05/a-brief-look-at-electric-vehicles-from-the-dawn-of-the-automobile-age/>

<https://arstechnica.com/cars/2021/05/heres-our-first-look-at-2023s-electric-porsche-macan-suv/>

<https://www.caranddriver.com/news/a36394701/subaru-solterra-ev-confirmed/>

Twins!

<https://www.caranddriver.com/toyota/bz4x>

<https://www.torquenews.com/1084/subaru-s-all-new-electric-suv-preview-5-things-will-make-it-distinctly-subaru>

The twins might contain a solid state battery, which has been Toyota's long stated requirement before entering the segment.

<https://jalopnik.com/the-toyota-bz4x-makes-ev-design-normal-1846715517>

<https://arstechnica.com/cars/2021/05/rivian-shares-some-cargo-specs-for-the-r1t-electric-pickup-truck/>

Rivian's in June!

<https://jalopnik.com/toyota-will-build-two-new-evs-in-indiana-1846792469>

I believe this an even larger EV SUV than the twins above.

<https://arstechnica.com/cars/2021/04/one-in-five-californian-ev-drivers-revert-to-piston-power-but-why/>

I couldn't agree more, if you don't have reasonable charging at home then the EV dream is harder to achieve. Maybe solid state batteries will fix this, by allowing 5 minute charge ups, but I will believe it when I see it.

60kwh/350kw=10 minutes. 60kwh is about a normal 20% to 80% charge on a bigger battery car, like a current model S. The last time I checked an S couldn't go from 20 to 80 in 10 minutes, but some of the 800 volt cars have a chance.

<https://www.caranddriver.com/news/a35044132/plug-and-charge-ev-charging-mustang-mach-e/>

Worth reading up on the "plug and charge" standard. I would want any new car to have this. Obviously Tesla has been doing this forever.

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

Hello FVEAA Members and Friends,

We have 3 great opportunities to showcase our club, member-built vehicles, and member's OEM EVs.

Event 1

The Schaumburg Home Depot

Summer Celebration Car, Truck, and Motorcycle Show

Saturday, July 24th, 10 am to 4 pm

100 Barrington Rd., Schaumburg, IL 60194

RAIN DATE: Saturday, July 31st

ENTRY FEE (donation): \$10.00 per show vehicle + non-perishable foods + Operation Airlift items

Supporting 4 different non-profits - The Ranch of Hope Reins; The Northern IL Food Bank; The Schaumburg Township Food Pantry; VFW Post 5151's OPERATION AIRLIFT

Featuring trophies, tons of door prizes, a silent auction, Home Depot vendors, and DJ music

For more info, go to... <https://HomeDepotVehicleShow.weebly.com> and for Operation Airlift supply list.
***With a prize closet overflowing with Home Depot goodies, everyone will leave with something cool.

For questions, email Rich Hirschberg at GoAFVs@yahoo.com

Event 2

The Midwest Green Car Expo

(the FVEAA Northern National Drive Electric Week Event - NDEW)

Saturday, Sept. 25th, 10 am to 4 pm

240 N Grove Ave. (Old Library parking 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 about the show, sponsorships, booth costs, and registrations, contact Expo Chairman Rich Hirschberg at MGCX@yahoo.com – <https://TheMidwestGreenCarExpo.weebly.com>

For more info on National Drive Electric Week -
<https://driveelectricweek.org/event.php?eventid=2647>

Event 3

The FVEAA Southern National Drive Electric Week Event

Saturday, Oct. 2nd, 10:30 am to 3 pm

The Fox Valley Mall

Near the Sears entrance

195 Fox Valley Center, Aurora, IL 60504

Featuring Ride-n-Drives, many different types of EVs, expert information, 'EV grins' and stories about "Life with an EV". Check out <https://driveelectricweek.org>

For more info or questions, contact Chairmen Marty Belovicz or Bruce Jones



Attendees at the 4/16/2021 meeting



Ted Lowe describes his pioneering EV pickup back in the day

Toyota RAV 4 Prime

- 42 miles of electric range and 0 to 60 in 5.6 secs
- Max out the tax credit \$7500
- MSRP \$39,275, but I wouldn't expect deep discounts like the Mits or Chrysler
- Did you notice it goes 0 to 60 in 5.6 seconds?
- Tows 2500 pounds
- Still has a CVT to maintain
- 33 cubic feet in the back, Outlander has 30

Jeff Miller presented on Hybrids including the nice Toyota RAV4 Prime

The Midwest Green Car Expo
MGCX

The EAGL Awards - Earth, Air, & Green Leadership
Due Sept. 15th

These awards recognize the efforts or results of various clubs, organizations, businesses, and individuals as a leader in their field or industry to be or live more 'green' or sustainable.

GOAL: Announce the winners at the MGCX, Saturday, Sept. 25th




Rich Hirschberg upcoming Event- National Drive Electric week, The Midwest Green Car Expo and his annual Summer Celebration Car, Truck & Motorcycle Show

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 2021-05-18 04:58:09

Website Registered User Statistics

Statistic	Value
Total Users	76
Users Never Logged In	31
% Active Users	59.2%
Ave. Days Since Last Visit	249.4 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

Membership Update

Ted Lowe

We currently have **60 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 2021-05-18 04:58:08

Count of Members by Type

Membership Type	Count	Paid Up
Family	3	3
Individual	58	55
Lifetime	2	2
Totals	63	60

Other Statistics

Statistic	Value
% Paid Up	95.2%
Avg. Paid Up Days	318.0 days
% With Email	95.2%

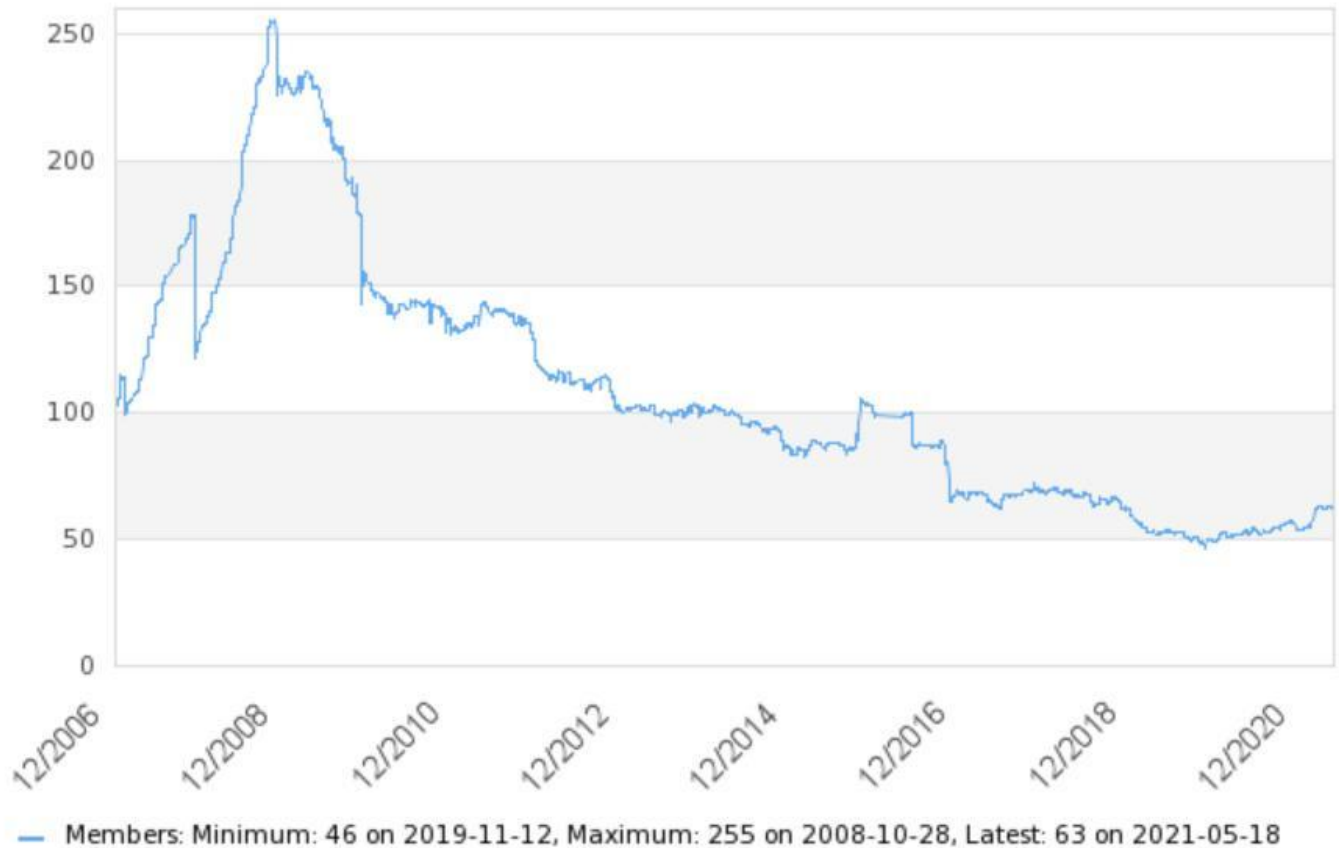
Encouraging Our Membership To Grow and Some History

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 May 18, 2021 12:50pm



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!

Jeffrey Miller, President, called the virtual meeting to order at 7:01 pm.

- Jeffrey Miller, President, called the virtual meeting to order at 7:01 p.m.
- Jeff began the meeting by discussing the sale of Tim's Volt to Rob. He described the history of the battery coolant level sensor retrofit on early Volt's, and the retrofit to bypass the generally unreliable sensor.
- Jeff Miller asked everyone to describe their first EV experience during the introductions. Attendees shared a variety of unique and interesting stories about their first EV encounter.

- Rich Hirschberg provided information on upcoming events.
- ○ **Summer Celebration Car, Truck, and Motorcycle Show, Saturday July 24, 10:00 – 4:00 p.m. (RAIN DATE: Saturday, July 31)**
100 Barrington Rd, Schaumburg,
ENTRY FEE (donation): \$10.0 per show vehicle + non-perishable food donation + operation airlift items
<https://homedepotvehicleshow.weebly.com/>

- ○ **The Midwest Green Car Expo and NDEW Northern Event, Saturday, September 25, 10:00-4:00 p.m.**
240 N. Grove St, Elgin, (Old Library Parking Lot), ○
<https://TheMidwestGreenCarExpo.weebly.com>

- ○ **The NDEW Southern National Drive Electric Week Event, Saturday, October 2, from 10:00 – 3:00 p.m.**
Fox Valley Mall (southeast parking area), Aurora,
<https://driveelectricweek.org>

- ○ To learn about different types of EV's and EV stories go to:
<https://driveelectricweek.org>
- ○ Rich mentioned to bring friends who may not own an EV to learn about EV's.

- Jeff made a presentation on the upcoming PHEV's that will be released soon. His conclusions were:
 - 1) If you want an SUV and not a van, and don't mind spending a few bucks the Rav4 prime is the clear winner. If money is a concern it gets tricky between the Escape and the Outlander. The Outlander is a bit bigger and has AWD, but less EV range. The Outlander has a simpler transmission which makes it worse on gas and is generally less efficient than the Escape.
 - 2) There are tons of PHEV's on the market, even more if you are shopping new and used. Shop around as this market is now extremely competitive.
- To see all the PHEV's on the market, go to:
- <https://fueleconomy.gov/feg/taxevb.shtml>
- The meeting was adjourned at 9:10 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

This space is available to advertise your business!

We appreciate your sponsorship support to help us accomplish our mission!

More details are available at: <https://www.fveaa.org/sponsors>

If you have any questions, please [contact us](#) anytime.