



October 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 October 15, 2021
and will be ONLY VIRTUAL**

We are using the Zoom video-conferencing platform to hold this VIRTUAL 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 if you want to join remotely:

Topic: FVEAA October 2021 Monthly Meeting

Time: Fri October 15, 2021 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.

Agenda

- 6:45 Virtual Meeting Starts (to test connections)
- 7:00 Introductions
- 7:30 Michael Webster on opportunities to install charging in the parks
- 8:15 Break
- 8:30 Chris Young on using OEM drive units in conversions
- 9:00 Meeting Close

September Meeting

We had an election and a smooth transition of power to the new board. Thanks to everyone for taking part in the process!

Thanks to Dwi Santander from AeonCharge for presenting to us this month on their one charging app and account to rule them all. If anyone is a programmer and wants to contribute code to them, reach out to me and I will pass your contact info along to him.

October Meeting

As you know I am always interested in more charging, and Michael Webster is going to join us Friday night and we are going to discuss ways we can work with them to deploy public charging.

We will follow that up with Chris Young's thoughts on conversions using OEM drive systems. I believe he will be focused on the electronics portion, but you never quite know what he will come up with. I know many conversions use Tesla units, and for good reason. They are relatively affordable, and powerful.

Recent Events

Thanks again to everyone that volunteered and attended our events in the last month. I certainly had a good time. As the leaves are falling off the trees I just can't help but think we will soon be in the cold of winter again. Hopefully it won't snow on Halloween this year.

I am shopping for Solar

I have a contract in my hands for class 4 hail rated shingles from Owens Corning and they should be installed in the next month. I will get a discount on my insurance for having class 4 hail rated shingles, so that will help pay for the roughly \$1000 upgrade, while also lowering the risk of taking the system down. I have picked a vendor for solar, and we are hammering out the exact pieces we plan to use. Currently it is a 9.25 KW system and my front roof faces 218 degrees. Based on the below website that should generate about 13,000 KWH per year.

If you want to get an independent estimate of your roof's production you can use the below government website to calculate it. From the solar installer forums I have read they seem to think this is one of the more accurate estimates you can generate.

<https://pvwatts.nrel.gov/pvwatts.php>

I planted apples?

Twice in the last week I have been referred to as the Johnny Appleseed of charging stations. Obviously I don't plant apples, but I do help people get their charging stations in order. Last weekend I helped our fellow member Marc S with his two OpenEVSE based charging stations, and next week I will be helping another member Curt L install his OpenEVSE station. They both wanted 48 amp capability and OpenEVSE offers a nice package for that. Unlike a standard OpenEVSE install though, these are all hard wired. As it turns out the OpenEVSE enclosure has holes that are exactly 1 1/8 of an inch wide, which is the standard size for a 3/4" conduit knockout. We are running # 6 as required for 60 amps. If you bought the "Advanced" version of the OpenEVSE, I suggest buying the Panduit P6-8R-T from Mouser <https://www.mouser.com/ProductDetail/Panduit/P6-8R-T?qs=DJkEn8%2F6Mn2XSIHtQjYSA%3D%3D>

And borrow some very heavy duty crimpers. Those crimp on terminals fit 6 ga wire and the #8 screw in the OpenEVSE.

If you want to use a different enclosure then I suggest reading my long thread on how I built my upgraded OpenEVSE stations at my house.

Car shopping

Some say I never stop car shopping, they are right. I was looking to see if prices on used Bolts came down due to the recall, and I would say the opposite happened. The dealers all bought up the used Bolts that were cheap, and are generally holding onto them until they are repaired. The few that are available are rather expensive and just not worth it. I will check back once the repairs have been running for a while, which I understand just started. On a positive note I am seeing Tesla cars for more reasonable prices again, and they aren't immediately selling. Maybe some sanity will return to the car market.

Articles I found interesting:

<https://arstechnica.com/cars/2021/10/chevrolet-begins-replacing-batteries-in-recalled-bolt-evs/>

Bolt recall repairs have begun!

<https://www.youtube.com/watch?v=lckDeiHi8Qo>

Long video discussing the process

<https://amp.usatoday.com/amp/8378579002>

Not sure I want to paint my house here in northern Illinois with this paint, but it sure makes sense in Phoenix Arizona.

<https://arstechnica.com/cars/2021/09/ford-picks-kentucky-and-tennessee-for-11-4-billion-ev-investment/>

<https://arstechnica.com/cars/2021/09/rivians-67-500-314-mile-electric-adventure-truck-put-to-the-test/>

<https://arstechnica.com/cars/2021/09/verizon-will-be-the-first-customer-for-brightdrops-new-electric-van/>

<https://arstechnica.com/cars/2021/10/making-sense-of-mazdas-mx-30-electric-commuter-car/>

Mazda makes a compliance car

Not exactly EV news below this point

<https://arstechnica.com/science/2021/10/the-decreasing-cost-of-renewables-unlikely-to-plateau-anytime-soon/>

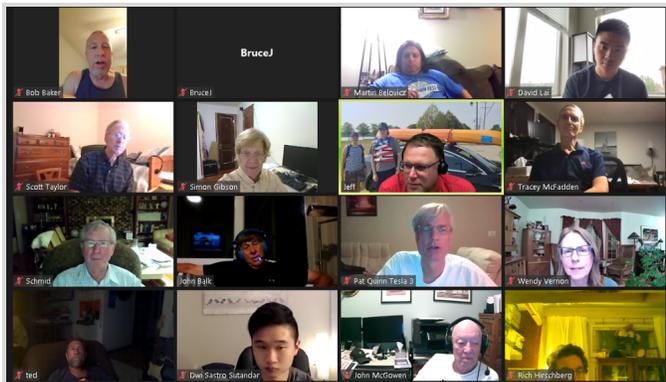
<https://arstechnica.com/cars/2021/09/porsches-new-synthetic-gasoline-may-fuel-formula-1-races/>

<https://arstechnica.com/science/2021/10/this-software-aims-to-make-your-flight-smoother-and-help-the-planet/>

<https://arstechnica.com/science/2021/09/globally-climate-change-drives-a-willingness-to-change-lifestyles/>

<https://www.npr.org/2021/10/07/1015460605/gas-stove-emissions-climate-change-health-effects>

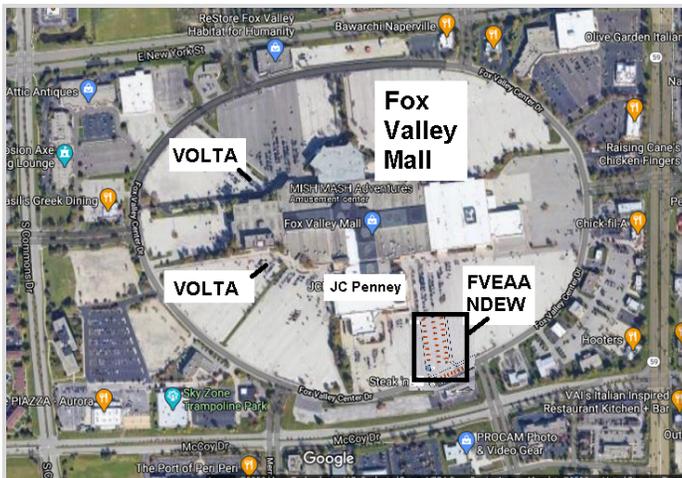
None to report at this time.



Attendees at the Sept Meeting



President Jeff welcomes the attendees and discusses his Solar Panel search



NDEW South OCT 2nd 10:30 - 3:30



Howard Hansen leased a Ford Mache and expressed frustration with non-intuitive controls



Dwi Santandar and David Lai talk about their newly forming company AeonCharge Looking for help and assistance with programming for this “charging passport” effort

Good News This Week In Illinois

- Solar Farm in Kane County Approved
- Rivian Rolls Out First EV Truck
- Environmental Legislation Passes in Springfield



- Tracey E. McFadden, FVEAA VP, Illinois Clean Jobs Coalition Representative



Tracey gave us Great news about events in Illinois - including ... below

Climate and Equitable Jobs Act *CEJA Becomes A Reality*



(L) IL General Assembly voting on the bill. (R) Katie McFadden Deputy Director of the Illinois Sierra Club (**daughter of Tracey McFadden!**), **Gov J.B. Pritzker** and Jack Darin, Director Sierra Club Illinois after signing the Climate and Equitable Jobs Act on Wed. Sept 17, 2021

National Drive Electric Week NORTH - 9/25/2021 - Rich Hirschberg Coordinator



(L-R)L Leon with FVEAA leadership



Garlin Garner (red shirt) with Model 3 Performance



Leon Wleklinski with Blink chargers and also "Voltbike" electric bicycles



Rich Hirschberg with daughter Lyndsay, and wife Debbie



Chris Young and the spotless Chevy S-10 conversion



Visitors with a beautiful Polestar II



Another Polestar II



Carl with "battery powered" car. Ha !!



Robin G takes off on her electric Zero motorcycle!



Elgin location for the NDEW North event

**National Drive Electric Week SOUTH - 10/2/2021 - Marty Belovicz
Coordinator w/ Bruce Jones co-chair**



Naperville South 10/02/2021 at the Fox Valley Mall



Donny and OJ with Marty Belovicz event coordinator



Al and his Blue Bolt!



Antonio and Rick Graziano with their beautiful Model 3



Rob Schwartz, Tom Coleman, Jeff and Andy



Katia and Andrew Cruz

Login to our FVEAA website and check it out!

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 2021-10-12 04:58:09

Website Registered User Statistics

Statistic	Value
Total Users	84
Users Never Logged In	33
% Active Users	60.7%
Ave. Days Since Last Visit	307.8 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 112 members as of 6/15/21. 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.

Membership Update Ted Lowe

We currently have **69 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 2021-10-12 04:58:09

Count of Members by Type

Membership Type	Count	Paid Up
Business	1	1
Family	4	4
Individual	63	62
Lifetime	2	2
Totals	70	69

Other Statistics

Statistic	Value
% Paid Up	98.6%
Avg. Paid Up Days	328.2 days
% With Email	95.7%

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 October 12, 2021 8:25am



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 - Sept. 17, 2021

Bruce Jones

September 17th Meeting Notes

- Jeffrey Miller, President, called the virtual meeting to order at 7:11 p.m.
- He had the Initial welcome, with meeting attendees each introducing themselves
- National Drive Electric Week
- Marty Belovicz, Bruce Jones talked about the NDEW south event on Oct 2
- Rich Hirschberg talked about National Drive event on Sept 25

NATIONAL DRIVE ELECTRIC WEEK - TWO EVENTS

- NDEW Northern Event, (also The Midwest Green Car Expo)
Saturday, September 25, 10:00-4:00 p.m.
240 N. Grove St, Elgin, (Old Library Parking Lot),
 - <https://driveelectricweek.org/event.php?eventid=2647>
 - <https://TheMidwestGreenCarExpo.weebly.com>
- Marty Belovicz and Bruce Jones talked about the NDEW South event:
- NDEW Southern National Drive Electric Week Event,
Saturday, October 2, from 10:30 – 3:30 p.m.
- (FVEAA set up an hour before, and take down an hour afterwards)
Fox Valley Mall (southeast parking area), Aurora, south of Route 88 on Route 59
 - <https://driveelectricweek.org/event.php?eventid=2769>

NOTE the PACE BUS stop for both Routes 530 and 559 are right at the location for the NDEW event at Fox Valley Mall

- Howard Hansen
 - Rented the mustang Mach e recently and found all of the knobs and buttons to be a bit frustrating, confusing
 - For example there is nothing in the manual that says how to just turn on the radio
- FVEAA Officer and Board of Director ELECTIONS were held: CONGRATULATIONS!
 - Jeffrey Miller - President
 - Tracey McFadden - Vice President
 - Ted Lowe - Treasurer
 - Bruce Jones - Secretary
 - Marty Belovicz - Board of Directors
 - Rich Hirschberg - Board of Directors
 - Simon Gibson - Board of Directors
- AeonCharge
 - Dwi Santandar and David Lai presented a few slides on their new charging company AeonCharge, an alliance creating a universal payment passport to allow EV drivers to locate, activate and pay for EV charging across different providers
 - Motivation for this company comes from Dwi who encountered difficulties when driving an EV from Indiana to Seattle and charging using a variety (there are around 50 total!) different charging companies. A very confusing, frustrating experience as many chargers were not working, and he needed many different subscriptions with different vendors.
 - So Dwi and David want AeonCharge to function like an umbrella credit card somewhat like Paypal but for EV charging.

- They are looking for advice, support and programming experience to create a mobile app “Payment Passport” for a streamlined charging experience.
- They have a base of \$2M funding and are aiming to launch in Nov with three companies Chargepoint, Electrify America and EVgo,
- Those interested in assisting in this programming effort may contact Dwi at sastro.sutandar@gmail.com.

- Tracey McFadden presented “Good News This Week In Illinois”
 - Solar farm in Kane County approved
 - Rivian rolls out their first EV truck - (he showed a Video)
 - Environmental Legislation passes in Springfield on - Climate & Equitable Jobs Act
 - Passed on Wed. 9/15/2021
 - 970 page bill – details will get hashed out in rulemaking sessions to follow
 - State agencies to decide on specifics
- Excellent summary Tracey and thanks so much for the work your daughter Katie did in helping get that legislation passed!
- The meeting was adjourned at 9:05 p.m.
- Though there was additional discussion afterwards for those who wanted to chat
- Jeff reviewed where he is in the Solar panel design/ procurement process and discussed w the group roofing and solar specifics

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:

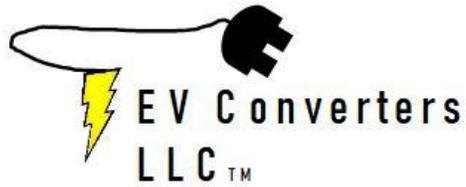
FVEAA**PO Box 214****Wheaton, IL 60187-0214**

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).