



## April 2020 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 April 17, 2020  
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 April 2020 Monthly Meeting (VIRTUAL ONLY)

Time: Fri Apr 17, 2020 6:45 PM CST (pre-meeting setup check), Meeting 7:00 PM

Join Zoom Meeting

<https://zoom.us/j/95901481473>

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

- 7:15 Dawn Zancan, Director of Site Sales & Development with Volta Charging will present:  
**Moving Forward - A Revolution in EV Charging Infrastructure presented by Volta Charging**
- 7:50 A break is still a good idea
- 8:00 Ted L - FVEAA's new website demo and Q&A
- 8:30 Jeff M - Various solar options with EV's (if time allows)
- 9:00 Close up

## President's Words

Jeff Miller

### March meeting

Thanks to Tracey for providing the excellent presentation on electric cars. He is a pro, as always. I also want to thank Ted for continuing to be the awesome technical guy that he is. He ran the technical bits of last month's meeting and I am asking him to do it again this month, because he is excellent at it. I run plenty of small virtual meetings, but wrangling a crowd of that size isn't something I have dealt with and having Ted handle that took a load off my mind allowing me to concentrate on the rest of the details. I am asking him to do that same thing again this month and look forward to another excellent meeting. (Thanks Jeff, bowing with hands clasped, Kind regards, ted)

### April meeting

First we will have Dawn Zancan from Volta

**Moving Forward - A Revolution in EV Charging Infrastructure presented by Volta Charging**

Overview of Volta's Free EV Charging Network & Business Model - The only entirely free network in the US

Challenges & Hurdles for EV Charging Providers in our Metro Area

Discussion on EV driver experience & how to be a catalyst for change

Then we have our very own Ted Lowe giving an update on the website and the tools that make running this organization possible. The site has substantial capabilities and it is time for us to get up to speed on them.

If time allows this month I will be doing a presentation looking at the dollars and cents around Comed RRTP in combination with Residential Solar. Should you cover your whole electric bill with solar capacity while owning three EV's? Let's crunch some numbers and try to find out! Disclaimer: energy prices are guaranteed to NOT be the same in the future.

### Be SAFE

PLEASE be safe, stay home, keep your hands clean and follow the guidelines provided by the CDC. Check for updated guidance about once a day, don't drive yourself crazy, but don't lose track of what is going on. This virus is dangerous because it only kills a small percentage of the people it infects, allowing it to spread far and wide through the population and get to those vulnerable people we all care about.

### My recent projects

Swapped the snow tires off the Bolt and the Tesla, finally!

Cleaned the Model S up and posted it for sale.

As I have a car publicly posted for sale, you probably won't be surprised to hear that people have tried to take my money. One that I hadn't seen before was the person who wanted me to purchase a car history

report. The psychology of his request was also interesting, he referred to the report by an acronym, making it seem like everyone knows the meaning of it. When I asked what it meant he sent me the site and said I should buy the report from that company. When I asked why I wouldn't just use carfax he told me this place was cheaper. He had an excellent pitch, and by forcing me to ask about something that he made sound so normal I bet he gets quite a few people to buy the report. I did a Google search on the name of the company he suggested and it did appear, but there was no way I was clicking on the link. A quick Google search showed the scam is actually fairly common, they set up a fake vehicle history site and get you to buy a report, and then you never hear from them again. Maybe they steal your credit card information too, but it is a quick 25 dollars with no real risk to them. Some people may not even realize they were scammed. I was surprised that it took more than 18 hours before the first scam artist contacted me.

The second potential scam artist emailed me via Craigslist email, and told me to email him via an email address, I used a junk email address to do so, and never heard back. He could simply be getting valid email addresses to scam later, I don't know yet.

I had a third person contact me that thus far appears to be a legitimate buyer, but we will see.

I will say that cargurus seems to have a very low amount of fraud running on it. I haven't gotten any enquiries from there yet, but I haven't had anyone try to scam me there yet.

My son and I are still building Theater subwoofer cabinets, but the bulk of the cutting is complete.

I also put up a couple of racks to hold my winter tires, which is a nice addition to my garage.

### **The present**

A month of isolation has come and gone, and I feel very fortunate to still have a job.

Having watched the data over the last month and how some other states that implemented a shelter in place order later than us now have more cases than us, I am glad our state did that when they did. The future is still foggier than pea soup, and I believe we need a substantial testing and contact tracing program implemented before they turn us all loose again. As we approach the end of April I would caution everyone to be very cautious about jumping back into life if the government makes the decision to fully remove all constraints. If that happens I will ease back into it slowly over the month of May, and I will be watching the data for that month to see if the cases start climbing or not. The issue is that it takes about two weeks to see any impact of policy changes, so if they turn us loose at the end of April the impact of that decision won't be seen until mid May.

### **The future**

Foggier than pea soup.

### **Long term virtual meeting additions?**

It has been suggested that we also add a Twitch stream to our virtual meeting. Ted is looking into the technical details, but I would also like your feedback on how you would like to consume video content? What platforms has everyone been using, and which would you suggest we use?

### **Articles I found interesting**

It seems to me like things are slow in the EV news world, but maybe it is just because I have been watching virus news.

<https://arstechnica.com/cars/2020/03/as-volvo-goes-electric-heres-how-its-making-its-batteries-top-notch/>

<https://jalopnik.com/the-recycled-materials-in-the-polestar-precept-concept-1842752739>

I find it interesting how they are following the example set by the i3.

<https://jalopnik.com/hey-look-its-a-zap-xebra-1842760514>

<https://jalopnik.com/gm-and-honda-are-making-two-new-electric-cars-together-1842650467>

<https://cleantechnica.com/2020/02/19/catl-built-tesla-model-3-battery-pack-will-use-prismatic-cells/amp/>

<https://insideevs.com/news/406676/battery-electric-hydrogen-fuel-cell-efficiency-comparison/>

Thanks to Kyle for contributing this article. It puts detailed numbers around hydrogen and helps confirm our suspicion that hydrogen doesn't make sense.

<https://www.npr.org/2020/03/31/822597631/plastic-wars-three-takeaways-from-the-fight-over-the-future-of-plastics>

Not EV related, but informative

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

## Upcoming Events

*Rich Hirschberg*

### **Drive Electric Earth Day live virtual event Wednesday April 22 ,1 pm**

The event will feature a live musical performance, Informative guest speakers, Information of EV financial incentives and engaging videos. It is sponsored by the Electric Auto Association, Sierra Club and Plug in America.

To RSVP and receive your link and password to join the event go to:

<https://pluginamerica.salsalabs.org/deed2020virtual>

---

### **The 2020 Midwest Green Car Expo (MGCX) --- POSTPONED by the City of Elgin**

For the Chicago, Illinois Metro area – USA.

The Fox Valley Electric Automobile Association is hosting a huge Alt-Fuel Vehicle expo planned for later this year when it is safe to gather in large groups. We are hoping to make this the largest gathering of EVs, Hybrids, and AFVs in the Midwest.

Web site: <https://the2020MidwestGreenCarExpo.weebly.com/>

Date: TBD 2020.

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

Times: 10 am to 4 pm.

Don't forget to check out <https://DriveElectricEarthDay.org/index.php>

At the MGCX, make sure to vote for your EAGL Awards recipients. Also check out the Ride-n-Drives and the many businesses, clubs, and organizations that support AFVs.

Contact Rich Hirschberg, [MGCX@yahoo.com](mailto:MGCX@yahoo.com), Car Expo Chairman about booths, registrations, and

sponsorships via email.

## Photos of our Virtual Meeting in March

Bruce Jones



**Hi to EVERYONE on 3/20/2020 who attended - 30 total - Don't forget Maureen and Ben's daughter who said, "Hi" at the beginning of the meeting. She'll be a future EV advocate for sure.**



**President Jeffrey Miller using his DJ voice and headgear presided.**

***Thanks to Ted Lowe for setting up the call!***



**Tracey McFadden gave an awesome presentation on The Electric Vehicle Revolution. A few slides shown below**



**Benjamin Nelson with a background of the Nissan Leaf transmission power train he's tearing into to insert in a tractor.**

## Level 1, 2 & DC Fast Charging

**KNOW YOUR EV CHARGING STATIONS**

AC Level One	AC Level Two	DC Fast Charge
<b>VOLTAGE</b> 120v 1-Phase AC	<b>VOLTAGE</b> 208V or 240V 1-Phase AC	<b>VOLTAGE</b> 208V or 480V 3-Phase AC
<b>AMPS</b> 12-16 Amps	<b>AMPS</b> 12-80 Amps (Typ. 32 Amps)	<b>AMPS</b> <125 Amps (Typ. 60 Amps)
<b>CHARGING LOADS</b> 1.4 to 1.9 kW	<b>CHARGING LOADS</b> 2.5 to 19.2 kW (Typ. 7 kW)	<b>CHARGING LOADS</b> <90 kW (Typ. 50 kW)
<b>CHARGE TIME FOR VEHICLE</b> 3-5 Miles of Range Per Hour	<b>CHARGE TIME FOR VEHICLE</b> 10-20 Miles of Range Per Hour	<b>CHARGE TIME FOR VEHICLE</b> 80% Charge in 20-30 Minutes

## Cost to Charge at Home

Vehicle	Battery Size (kwh)	Cost to Charge+	Estimated Electrical Miles per Charge	Estimated Gas Equivalent	Avg. Savings per Charge
Chevy Bolt	60	\$7.72	238	\$29.56	\$21.84
Jaguar IP	90	\$11.58	240	\$29.80	\$18.22
Nissan Leaf+	62	\$7.98	226	\$28.07	\$20.09
Tesla Model 3	70	\$9.01	310	\$38.50	\$29.49
VW e-Golf 2017	35.8	\$4.61	83	\$10.31	\$5.70

## New Chicago Ordinance



- New buildings with 24 residential units or more required to have at least two electric vehicle charging ready spaces.
- Does not require renovations to existing apartment buildings.



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 2020-04-14 04:58:06

### Website Registered User Statistics

Statistic	Value
Total Users	52
Users Never Logged In	25
% Active Users	51.9%
Ave. Days Since Last Visit	68.7 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>

### Membership Update

Ted Lowe

We currently have **50 active paid-up** members. Four members have already taken advantage of the multi-year renewals offered by the new website! **Please renew & recruit new folks in 2020!!!**



## FVEAA Membership Report

as of 2020-04-14 04:58:05

### Count of Members by Type

Membership Type	Count	Paid Up
Business	2	2
Family	5	4
Individual	43	42
Lifetime	2	2
Totals	52	50

### Other Statistics

Statistic	Value
% Paid Up	96.2%
Avg. Paid Up Days	237.3 days
% With Email	94.2%

### Encouraging Our Membership To Grow in 2020 and Some History

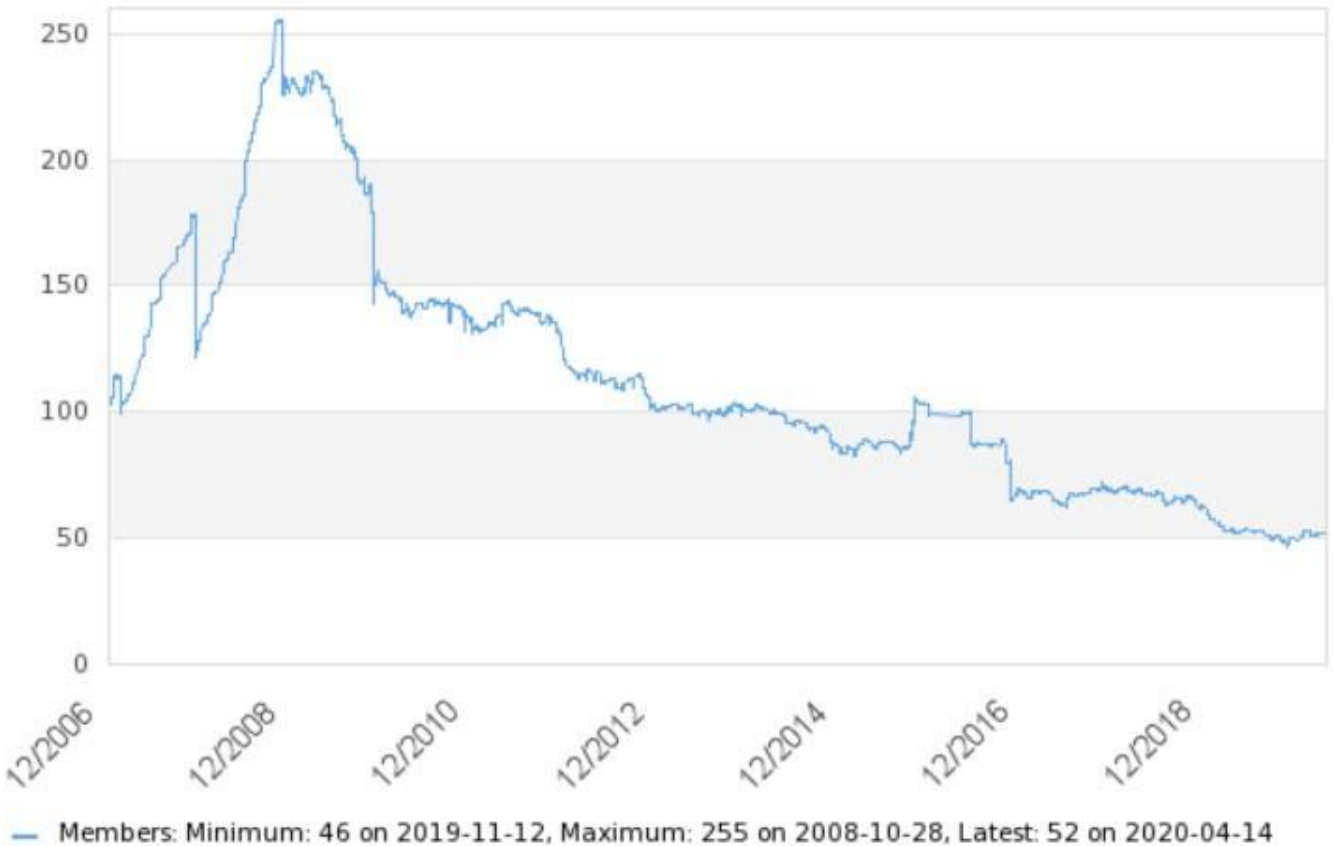
Ted Lowe

**Happy 2020 EVeryone!** 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 anytime, 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 in 2020!!!**



## FVEAA Paid Up Members as of April 14, 2020 10:34am



### 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!**

## FVEAA Meeting

- Ted Lowe opened the FVEAA Video conference call 6:45 p.m.
  - <Thanks Ted for setting up and running the call!! - You're welcome Bruce, my pleasure! Thanks for ALL you do!
- President Jeff Miller started the meeting at 7:09
- This is the first Video /virtual meeting the club has ever held - due of course to the Coronavirus (COVID-19) pandemic which has caused fast and dramatic changes in how such meetings are held. For the near future we are restricted to non-physical meetings.
- Attendees! Here are a few highlights
  - The attendees introduced themselves for about 45 minutes
  - We had 30 attendees from 3 states, Illinois, Wisconsin and Indiana
  - Rolly Waller is a new member and a Business Supporter of the FVEAA (yay!).
    - He is the owner of EV Converters LLC and at 86 looking for education on converting cars to electric and hoping to actually do a conversion. He will chat with Ted about this later.
  - Benjamin Nelson – drives a moo moo Mitsubishi i-MiEV
    - Benjamin has a large presence in the DIY EV community - check him out at <https://www.youtube.com/channel/UCPcTVKQxhpFwN140EEDVZfg>
    - Ben's site shows how he took apart a Nissan Leaf drivetrain and is putting it in a tractor - see [300mpg.org](http://300mpg.org)
  - Mike Willuweit was able to put \$45 annual Expanded Antique plates on his converted 1984 Porsche electric after a battle with the IL Secretary of State license plate renewal folks who wanted to charge him the recently inflated \$248 annual Electric Vehicle rates! He warned them he would put the gas motor back in. Smart, great job Mike!
  - Ben Schmid from Munster Indiana was on the call

## ELECTRIC VEHICLE REVOLUTION

- Tracey McFadden provided a terrific presentation on the Electric Vehicle Revolution
  - He has been giving this talk the last few months with Jeff Miller who brings his electric charging cables. The presentation was very well done.
  - Tracey made some modifications to his presentation and uploaded it to our website for all to access and share:
 

[https://www.fveaa.org/fb/The%20EV%20Revolution%20-Electric%20Cars%20are%20for%20Everyone.%20V1.0\\_482.pptx](https://www.fveaa.org/fb/The%20EV%20Revolution%20-Electric%20Cars%20are%20for%20Everyone.%20V1.0_482.pptx)
- Alternative Fuel Infrastructure Tax Credit *Approved December 20, 2019*
- <https://afdc.energy.gov/laws/10513>
  - NOTE: This incentive originally expired on December 31, 2016, but was retroactively extended through December 31, 2020, by Public Law 116-94.
  - 
  - Fueling equipment for natural gas, propane, liquefied hydrogen, **electricity**, E85, or diesel fuel blends containing a minimum of 20% biodiesel installed through December 31, 2020, **is eligible for a tax credit of 30% of the cost, not to exceed \$30,000.** Permitting and inspection fees are not included in covered expenses. Fueling station owners who install qualified equipment at multiple sites are allowed to use the credit towards each location. **Consumers who purchased qualified residential fueling equipment prior to December 31, 2020, may receive a tax credit of up to \$1,000.** Unused credits that qualify as general business tax credits, as defined by the Internal Revenue Service (IRS), may be carried backward one year and carried forward 20 years. For more information about claiming the credit, see IRS Form 8911, which is

available on the IRS Forms and Publications website. (Reference Public Law 116-94, Public Law 115-123, Public Law 114-113, 26 U.S. Code 30C and 38, and IRS Notice 2007-43(PDF))

- Here are the link to Form 8911 for the Alternative Fuel Vehicle Refueling Property Credit which is retroactive to cover charging stations in 2018, 2019, and 2020
  - Web site: <https://www.irs.gov/forms-pubs/about-form-8911>
  - Rebate form <https://www.irs.gov/pub/irs-pdf/f8911.pdf>
  - Instructions <https://www.irs.gov/pub/irs-pdf/i8911.pdf>

#### **UPCOMING EVENTS - NOT!**

- V.P. Rich Hirschberg described upcoming (non) events are postponement due to the pandemic including [The 2020 Midwest Green Car Expo](#)
  
- The group had an open discussion the last 30 minutes covering a variey of EV topics

The meeting adjourned at 9:35 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

### Best Hybrid Batteries

Michael Bradley  
18600 IL-59  
Shorewood, IL 60404  
Phone: 708-669-9402  
Email: [besthybridbatteries@gmail.com](mailto:besthybridbatteries@gmail.com)  
Web: [www.besthybridbatteries.com](http://www.besthybridbatteries.com)



**Best Hybrid Batteries**  
**Only The Best**

Best Hybrid Batteries is a technology company dedicated to providing a flexible, lower-cost approach to defective or worn out hybrid car batteries. Founded by an engineer, a professor, and a long-time hybrid enthusiast, we are committed to using the latest technology to bring costs down and get you safely back on the road. Our solutions were developed through years of testing, and our employees undergo extensive safety training. We fully back all of our work with one of the strongest warranties in our industry

### 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).