



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

Time: Fri August 21, 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
- 7:30 Jeff Miller: Summary on information learned about rooftop solar on RRTP
- 8:00 Break
- 8:10 Jeff Miller: Overview of all the electric SUV's hitting the market
- 8:30 Leadership nominations
- 9:00 Close Out

July meeting

Thanks to Bob K for giving us his perspective on Comed RRTP and Roof Top Solar, and to Tracey for giving us a great presentation on the history of electric cars.

August meeting

This month I am going to follow up on Bob's work last month by comparing his costs and credits to Ted Lowe's costs and credit and scale them to match. I will then wrap up this series with some boring old math on my original question of what would happen if we didn't have SREC's and tax credits and what size array would make sense in that future state.

Small group sessions

I have been supporting other members on their EVSE projects.

My recent projects are all other peoples' projects!

I reviewed Jeff Balch's home for suitability for adding car charging, and much to my surprise he has 6 open slots in his 20 slot panel along with sufficient capacity to support a single EV. He has some tough choices to make about how he is going to connect the car to the house as he doesn't have a garage, and needs to park in his backyard. However it works out I look forward to helping him in the future.

I also helped John Balk by educating him on the basics of how to do electrical work, and permit applications. He has taken that knowledge and applied for a permit in Geneva to do his own work. I have checked his paperwork and will help him once he gets approval to do the work.

Marc S, who presented a few months back, now has a Chrysler Pacific PHEV, and a 100 amp subpanel in his garage which we will be installing a pair of OpenEVSE stations to support his current and future EV's. I guided him through that process and helped him avoid a couple of pitfalls already, and we haven't even built anything yet.

Articles I found interesting

<https://electricmotorcycle.com/switched-reluctance-motors/>

Switched reluctance motor definition design theory. This is the design of the rear motor in the Model 3 and Y. It is also being used on the front of the latest S and X.

<https://jalopnik.com/the-cadillac-lyriq-wont-be-high-five-digits-1844706081>

<https://jalopnik.com/the-2022-cadillac-lyriq-ev-reveal-only-shows-how-far-be-1844641121>

<https://arstechnica.com/cars/2020/08/cadillac-reveals-the-lyriq-its-new-long-range-electric-suv/>

<https://jalopnik.com/new-2022-gmc-hummer-electric-truck-images-show-a-sail-p-1844544511>

<https://jalopnik.com/gm-is-looking-pretty-jealously-at-tesla-and-nikola-1844640955>

<https://jalopnik.com/this-2020-list-of-fastest-selling-cars-has-some-interest-1844608415>

The Bolt!

<https://arstechnica.com/cars/2020/07/gm-teams-up-with-evgo-to-deploy-more-than-2700-new-dc-fast-chargers/>

GM is heavy in the news over the last month.

<https://arstechnica.com/cars/2020/08/hyundai-will-launch-three-new-electric-cars-starting-in-2021/>

Hyundai is getting serious

<https://jalopnik.com/audi-is-trying-to-give-e-tron-more-of-a-chance-1844626315>

The Etron is getting cheaper

<https://jalopnik.com/polestar-is-trying-to-be-smart-about-this-1844692374>

<https://finance.yahoo.com/amphtml/news/tesla-rival-nikola-scores-deal-to-make-thousands-of-1000-horsepower-electric-garbage-trucks-130025051.html>

I hope that they come to my neighborhood, but I am sure they will all be in California.

<https://www.fueleconomy.gov/feg/taxevb.shtml>

Easy site to check federal tax credits on your EV purchase.

<https://jalopnik.com/fisker-is-trying-to-get-its-shit-together-1844653909>

<https://jalopnik.com/ev-west-wants-to-break-the-electric-speed-record-at-bon-1844577249>

<https://jalopnik.com/the-ev-west-electraliner-won-a-bonneville-electric-speed-1844719544>

EV West breaks a land speed record at Bonneville

<https://www.drivingline.com/articles/electric-madness-vaughn-gittin-jrs-rtr-mustang-mach-e-is-the-1-400-horsepower-future-of-performance/>

<https://jalopnik.com/the-hyperion-xp-1-is-a-hydrogen-supercar-trying-to-make-1844706813>

<https://www.cnbc.com/amp/2020/08/11/lucid-makes-a-run-for-tesla-with-luxury-ev-sedan-with-a-record-517-miles-of-range-per-charge.html>

<https://jalopnik.com/lucid-says-its-air-ev-will-get-517-miles-of-range-1844685200>

<https://electrek.co/2020/08/17/elon-musk-tesla-secret-dojo-ai-training-supercomputer/amp/>

<https://arstechnica.com/cars/2020/07/tesla-picks-texas-will-redesign-model-y-for-european-production/>

<https://electrek.co/2020/07/21/tesla-secret-project-palladium-new-model-s-model-x/amp/>

<https://www.reuters.com/article/us-autos-geely-volvo-focus/fuelled-by-volvo-chinas-geely-seeks-launchpad-to-enter-auto-giant-orbit-idUSKCN256001>

<https://arstechnica.com/science/2020/08/tesla-research-partnership-progresses-on-new-battery-chemistry/>

<https://amp.cnn.com/cnn/2020/08/14/weather/greenland-ice-sheet/index.html>

<https://arstechnica.com/science/2020/08/greed-may-be-good-when-it-comes-to-solar-power/>

<https://arstechnica.com/science/2020/07/are-we-ready-to-recycle-the-rare-earths-behind-an-energy-revolution/2/>

<https://arstechnica.com/science/2020/07/are-we-ready-to-recycle-the-rare-earths-behind-an-energy-revolution/2/>

<https://insideevs.com/news/433929/nissan-switches-to-ccs-in-us-europe/>

https://www.greencarreports.com/news/1128889_bmw-ix3-electric-crossover-detailed-us-misses-out-on-first-new-generation-ev

<https://jalopnik.com/volkswagen-trademarks-e-beetle-and-other-classic-e-vw-n-1844407434>

<https://www.freep.com/story/money/cars/general-motors/2020/07/16/gm-cadillac-electric-cars/5444121002/>

<https://arstechnica.com/cars/2020/07/heres-nissans-next-electric-crossover-on-sale-in-2021-for-40000/>

<https://jalopnik.com/the-2021-nissan-ariya-promises-to-electrify-the-mainstream-1844386250>

<https://arstechnica.com/cars/2020/07/audi-to-use-modular-electric-platform-for-midsize-sportback-crossover/>

<https://arstechnica.com/cars/2020/06/meet-the-lordstown-endurance-a-new-52500-electric-work-truck/>

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

Upcoming Events

Rich Hirschberg

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

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.

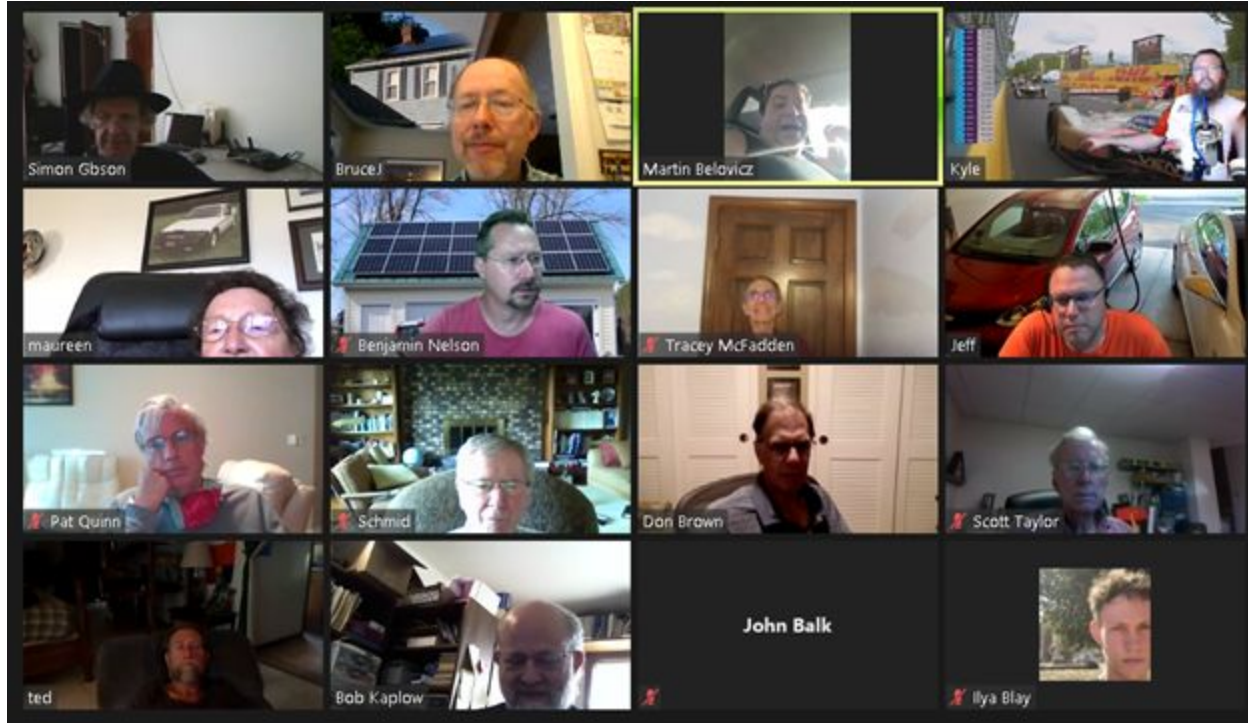
Don't forget to check out <https://DriveElectricEarthDay.org/index.php>

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, Car Expo Chairman about booths, registrations, and sponsorships via email.

Photos of our Virtual Meeting in July

Bruce Jones



17 Attendees at the fifth virtual FVEAA Meeting

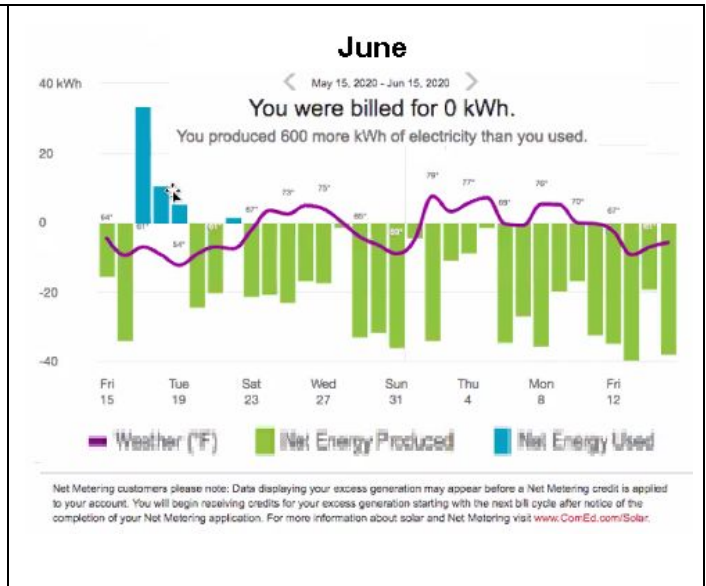
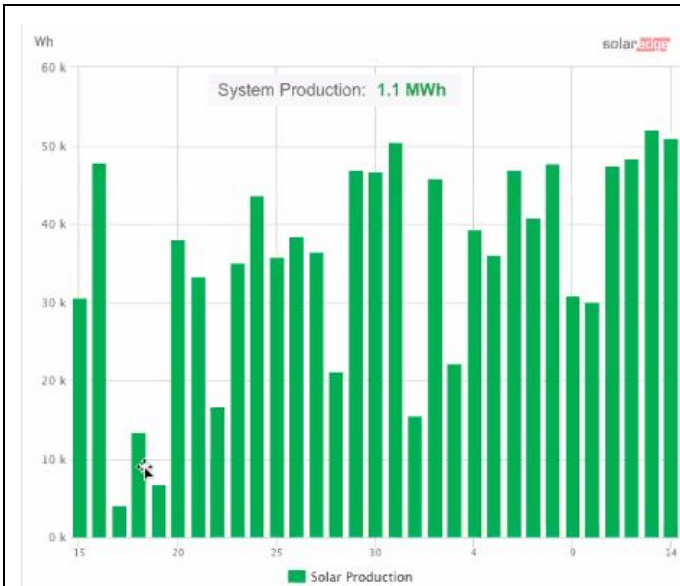
EV and SOLAR with hourly rates

Buy Low, Sell High
Bob Kaplow (c) July 2020

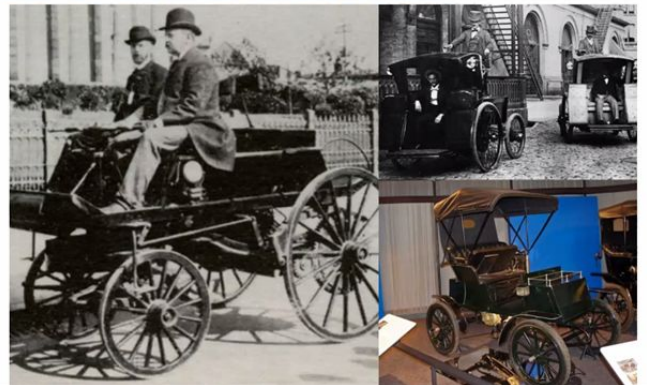
NASA / JPL Solar System Ambassador
ISEA Solar Ambassador

Bob Kaplow presents on his electric vehicle and Solar panel experiences living in a highly energy efficient house.



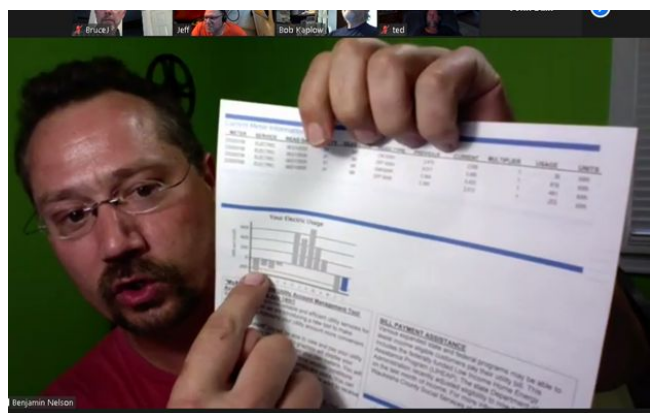


1896: ELECTROBAT



Tracey McFadden educates us with another excellent presentation - this month on the History of Electric Vehicles. WELL DONE Tracey!!!

DETROIT ELECTRIC



Ben Nelson points to the savings from his solar panels

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 2020-08-18 04:58:47

Website Registered User Statistics

Statistic	Value
Total Users	61
Users Never Logged In	26
% Active Users	57.4%
Ave. Days Since Last Visit	145.5 days

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>

We currently have **53 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!!!**



FVEAA Membership Report

as of 2020-08-18 04:58:45

Count of Members by Type

Membership Type	Count	Paid Up
Business	1	1
Family	4	4
Individual	47	46
Lifetime	2	2
Totals	54	53

Other Statistics

Statistic	Value
% Paid Up	98.1%
Avg. Paid Up Days	281.2 days
% With Email	94.4%

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 August 18, 2020 2:40pm



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

- The Zoom meeting conference call was started by Ted Lowe at approximately 6:45 p.m.
- Jeffrey Miller opened the meeting at 7:01 with brief introductions all around

Bob Kaplow - EV and Solar Presentation

- Bob provided his experiences and economics by living in a highly energy efficient house, with solar panels and electric vehicle
- He presented many of the ComEd bills and graphs showing the excellent credits and money saved
- Thanks Bob!

Break - 10 min

Tracey McFadden and the History of EVs

- Tracey, has been on a roll and gave us another excellent presentation, this time on the History of EVs
- The amazing electric vehicles that were created long ago have come a long way.
- Many ups and downs until this point in history and now EVs are here and the way of the future

- The meeting adjourned at 9:15 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
Web: www.besthybridbatteries.com



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



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).