



October 2018 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

Next Meeting

October 19, 2018 - NOTE DIFFERENT LOCATION THIS MONTH!

Starts 7:00 p.m. Ends 9:00 p.m.

Jeff Miller's House

199 Midway Court

Crystal Lake, IL

[Map to Jeff's House](#)

If arriving by Gasoline car please park at Walkup Woods Park. There are about 30 parking spots there. It is a very short walk to my house.

Bring something to sit on if you can, and a jacket.

Agenda

- 4:30 early arrivals for charging needs
- 7:00 set up the rest of the arrivals with charging
- 7:30 If the weather is good we will hold a short meeting on my back porch where I will give a high level overview of what I have done and the capabilities it gives me. If the weather is bad we will just stay indoors and in the garage and have small group discussions.
- 8:00 small group guided tours of the various elements I have added to the house, including smart meter
- 9:00 start heading home, if you need to stay longer to finish charging you are welcome to do so

President's Words

Jeff Miller

I want to start by thanking Mike W and John E for their hard work supporting the club. Mike W agreed to help out with a couple of future meetings along with the rest of the board so don't expect me to lead every monthly meeting, as I will be drawing on our deep talent pool to help out.

We are also looking for suggestions for modifications / fixes to do to your EV's / PHEV's. Comb your favorite forums and knowledge bases to pull out the interesting solutions to problems you have with your car now or in the future. We will try to work on them as a club. I recall a story Mike W told me about a group meetup where they installed block heaters in a bunch of Prius. I think that is a really awesome event, and something that I want to try to replicate here. I know the i-Miev design leaves it's cabin heating equipment exposed to the outside air, and by insulating it owners have found a nice gain in winter heat vs. range impact. Those are two examples that come to mind of projects, but I want you guys to find more! I don't have time to comb all the forums and look for good modifications and/or repairs that we can do. If you come up with any email me or the board or post it on the forums and we will start looking at setting up a location and lining up the parts and equipment to do the work. I see that 2011 Nissan Leaf's often put in aftermarket seat heaters

<https://www.mynissanleaf.com/viewtopic.php?t=6810> . That could be a fun project that doesn't require exotic tools.

This coming meeting will be at my home. If you need to charge you are welcome to show up as early as 4:30PM and enjoy some food which I will provide, but please let me know you are coming early. There are quite a few people who will need to charge to get back home, and we will accommodate them as a priority. If we can get some of those started early, that would be great.

People who have confirmed needing to charge so far:

Chris, S10 30 A

Andy Volt 15 A, Approx. arrival 5pm.

Mike W Rav 4 40 A

Three more charging stations open at this time.

If no one else wants to charge I can use my two cars and Simon's Rav to drive up the amperage for demo purposes. With that mix we would consume 110 A per panel totalling 220 A or 52KW.

I made a trip to Detroit recently and it was strange how few EV's I saw there. I met up with some people there and their initial reactions were roughly "this car is a SCAM!" to which I responded, "it doesn't seem like a scam, I just drove it here". After a test drive they all thought it was awesome. The Model S is an outstanding car and we continue moving towards that being the norm, not an exception. All the high end manufacturers have lost substantial market share to Tesla and with the Model 3 being produced at a fairly high rate these days there are even more sales being taken from the old luxury brands. They realize they have to step up to the plate with EV's and tech to at least come close to Tesla or they will continue to lose market share every year as Tesla expands their offerings. Tesla's challenge is getting beyond being a serial developer who can only bring one new car to market at a time, while staying in business. They will need to grow to the point that they can effectively/afford to develop two or three products and bring them to market in the same year. If they had the model Y out right now it would hurt the other manufacturers. My wife drools at the thought of a model Y. The VW group seems to be leading the charge and with their proposed 500 station J1772-CCS DC fast charging network being built out. It could put them on the map as an actual competitor of Tesla on cross country EV's. For perspective Tesla presently has 1357 Supercharger locations in North America, and plenty more under construction.

Last chance to guarantee the \$7500 on a Tesla

<https://arstechnica.com/cars/2018/10/tesla-customers-should-order-by-monday-to-lock-in-7500-tax-credit/>

Jaguar is Thinking About Phasing Out Internal Combustion Engines in Favor of Becoming an All-EV Brand Within Five Years

<https://jalopnik.com/jaguar-is-thinking-about-phasing-out-internal-combustio-1829730935>

EV and PHEV car sales numbers for the last quarter

https://www.greencarreports.com/news/1119221_nothing-comes-close-to-tesla-2018-q3-plug-in-sales

iMiev heater insulation links

<https://www.diyelectriccar.com/forums/showthread.php?s=033b03d9f1b6454d370f8fe870070976&t=78090&page=2>

<http://myimiev.com/forum/viewtopic.php?t=694&start=20>

<http://s211.photobucket.com/user/Sandange/slideshow/miev/Miev%20heater%20Insulation>

Porsche Taycan and VW charging news

<https://jalopnik.com/the-porsche-taycan-will-be-the-ev-to-beat-1829756249>

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



Bill Becker presented Solar-Assisted EVs: Onboard Range-Extending PV Systems for EV Cars, Vans & Bikes



President Jeff Miller's Tesla



Chuck Carrington's Volt getting some volts!



New member of the Board, Mike Padberg's Leaf



Jeff Green in his mean machine - Imiev



Simon Gibson's new Rav4



Chris Young and his beautiful conversion Chevy truck

FVEAA Facebook Page - Like Us!

Grant Gerke

<https://www.facebook.com/FoxValleyElectricAutoAssociation>

FVEAA Facebook Group - Join 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 69 members as of 8/15/17. 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 will help to replace 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/>

Membership Update

Ted Lowe

We currently have **64 active paid-up** members, up one from last month! **Please renew** and recruit new folks!



FVEAA Membership Report

as of 2018-10-15 04:58:05

Count of Members by Type

Membership Type	Count	Paid Up
BusinessStd	1	1
Family	5	5
Individual	57	55
LifetimeInd	3	3
Totals	66	64

Other Statistics

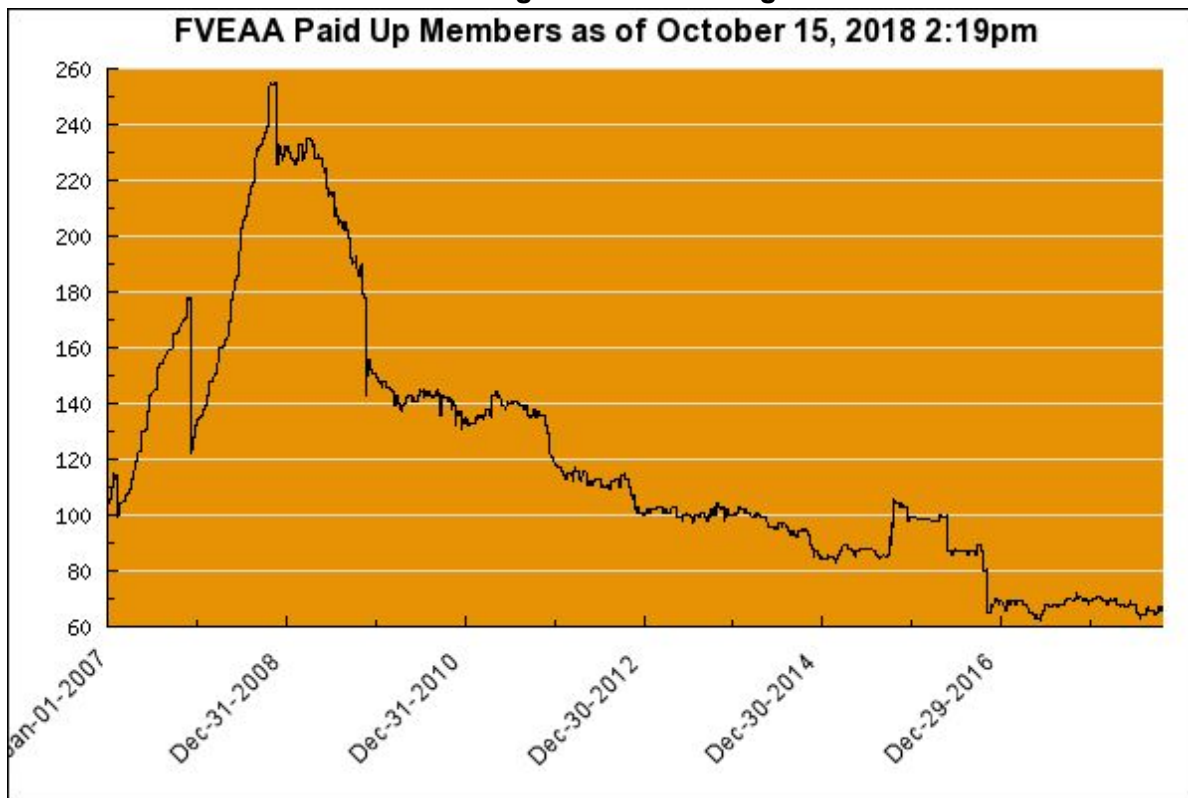
Statistic	Value
% Paid Up	97.0%
Avg. Paid Up Days	167.7 days
% With Email	95.5%

Encouraging Our Membership To Grow in 2018 and 2019 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 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 about 255 members in the Summer of 2008 when gas was nearing \$5 per gallon. We were also attending lots more invitational EVentS with our EVs. **Let's get out there and grow the FVEAA in 2018 and 2019!!!**



Monthly Treasurer Reports

Ted Lowe

As the new Treasurer, i plan to publish a brief Treasurer's Report to our forums around the time our monthly newsletter is published.

I will publish the balances in our checking and savings accounts 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):

<http://www.fveaa.org/renew>

THANK YOU for your continued support of the FVEAA!

UPCOMING EVENTS

Rich Hirschberg

Nov 3, Sat. 10 - 3 **Green Living Expo** - McHenry County College (View) MCC gym/multipurpose room and surrounding areas. 8900 US Highway 14 Crystal Lake, IL 60012.

Coming up this fall, one last event for the year that club members can take advantage of is the "Green Living Expo". It's the 11th Annual and takes place at McHenry County College, 8900 US Highway 14, Crystal Lake, 60012.

The date is Saturday, November 3rd. Set up in the gym/multi-purpose room, this event goes from 10 am to 3 pm. I believe the fee has been waived for us. For more info, go to <http://www.McHenry.edu/GreenExpo>.

For questions, contact Sustainability@mchenry.edu

Meeting Minutes -

Bruce Jonesr

Jeff Miller opened the meeting at 7:05 p.m.

Bil Becker presented on Solar-Assisted EVs: Onboard Range-Extending PV Systems for EV Cars, Vans & Bikes

- Discussed the reason we are here and history of oil and renewables
- Chinese have 31% efficient solar panels
- UIC research bill built recumbent solar bicycle
- He showed a Video of his solar bike he developed back in the 1980s

- The company is based in California
- Comparison of solar panels on different sized cars Mercedes Benz Sprinter Van, Prius
- Hanergy Solar Car in Beijing show.
- Ovshinski scared oil companies with his nickel metal hybride batteries
- Bill discussed the Alta gallium arsenide GaArs solar panels 30% efficient
- Chinese R&D making excellent progress vs. U.S.
- Hanergy is aiming to make \$2/watt flexible solar panels by 2019 using gallium arsenide
- Hanergyamerica.com

Break 8:30 to 8:45 p.m.

Election of New Officers and Board of Directors

Congratulations to the Newly Elected Officers

President: Jeff Miller
 Vice President: Rich Hirschberg
 Treasurer: Ted Lowe
 Secretary: Bruce Jones
 Board of Directors:
 Bob Baker
 Marty Belovicz
 Mike Padberg

George Vergara

- Gave a talk on Grants for the club
- electric cars are important for National security
- George handed out a flyer
- Will follow up with additional information next time

Reminder: October 19 2019 meeting at Jeff Miller's house in Crystal Lake IL

Meeting closed at 9:30 p.m.

After the meeting Jeff then held a brief meeting with the new officers

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



Best Hybrid Batteries

Only The Best

Michael Bradley

18600 IL-59

Shorewood, IL 60404

Phone: 708-669-9402

Email: besthybridbatteries@gmail.com

Web: www.besthybridbatteries.com

