



April 2024 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 19, 2024**
7:00 p.m. and will be IN-PERSON and on-line

Location:

Unitarian Universalist Society of Geneva
102 S 2nd St, Geneva, IL 60134

MAP:  Unitarian Universalist Society of Geneva

Meeting starts at 7pm and will run until about 9pm.

Topic: FVEAA Monthly Meeting

Time: Fri April 19, 2024 6:45 PM CT (pre-meeting setup check), Meeting
7:00 PM

Join Zoom Meeting:

[Zoom Meeting Link](#)

Dial-in for audio-only users: Call: 312-626-6799

Enter Meeting ID when prompted: 95901481473#

Participant ID: (blank, just #) *6 mutes/unmutes

Agenda

- 6:45 Virtual Meeting Starts (to test connections)
- 7:00 Introductions
- 7:15 Upcoming Events with Rich Hirschberg
- 7:30 Discuss 2025 event options for our 50th anniversary
- 8:10 Break
- 8:20 Jeff Miller on load calculation for my house, and plans
- 9:00 Close

March Meeting

Thanks to Ken Johnson for going over his Corvair upgrade, testing process for his batteries, and the results. Thanks to Christopher Sharp for his detailed report on the history of the FVEAA.

April Meeting

Please check out the events coming up below, getting out and working with the public is a key goal of our organization.

We will be hearing about the upcoming events, then having discussion about what events we want to try to do for our 50th anniversary. Lastly I will be going over what I chose for my HVAC replacement. Honestly the answer surprised even me! It's based on both calculated heating load, and current furnace run time.

Capacity and efficiency testing of AC units

I have the equipment to check the efficiency / SEER performance of AC systems, and my 22 year old system measures SEER 8.2 vs its 13 rating. I didn't clean the outdoor coil before running this test, so that certainly doesn't help matters. It also performs poorly on the indoor blower, using more watts per CFM of air moved than it should. This isn't a surprise as I can see its usage in the Emporia energy monitor. The good news is that my duct work, on the supply side, is working very well, and my return isn't terrible. I should be able to increase the capacity of the system somewhat and not run into airflow issues.

Everyone should clean their outdoor coils as the cooling season is fast approaching. This will save you money on energy every day, and extend the life of your unit. I find I usually have to clean mine at least twice a year, and more if the cottonwood trees are fluffy. Most residential units don't have protection against covered coils, so they will just overheat and burn up the compressor if left severely packed up and running.

As we move towards heat pumps, coil cleaning will become more important, especially in the fall. You don't really want to go spray your heat pump with water when it's way below 0 here.

Vice President's Words

Tracey McFadden

My wife and I drove to Normal Il this month to get a close-up view of the new Rivian R2 and R3. We were very impressed. The size is perfect for our needs. Features we thought were especially nice were: NACS charging port, roll down tailgate window, motorized pop out cargo windows, large frunk, two glove boxes, glass roof, built-in flashlight in the door and finally the fold down rear and front seats to fully flat. Now I just have to be patient and wait for production and deliveries to start in 2026.

I made a trip to London last month to help my daughter move into a new flat. While in the UK I noticed some of the great progress they have been making to electrify their transportation. I was especially impressed with their lamp post charging and electric buses (see photos below).



Rivian R2 in Normal IL



All Electric Double Decker Bus



London Light Pole Charging

Please bring your EV to the Earth Day Celebration at Peck Farm this Saturday April 20th from 11 am to 1pm. It's always fun to show off your vehicle and see some of the great earth day booths. Peck farm is located at 4038 Kaneville Rd, Geneva IL. Hope to see you there!

Here are some fun EV facts I learned this month:

Top selling EV's in 1st quarter of 2024

1) Tesla Model Y 2) Tesla Model 3 3) Mustang Mach E 4) Rivian 1RS 5) Ford F-150 Lightning 6) Chevy Bolt 7) Hyundai IONIQ 5 8) VW ID.4 9) Cadillac Lyric 10) Tesla Model X

<https://electrek.co/2024/04/15/rivian-r1s-tops-hyundai-ioniq-5-vw-id-4-fourth-top-selling-ev/>

Illinois to spend \$25.1 million on public EV charging infrastructure

The Illinois EPA announced plans to spend more than \$25 million on new EV charging infrastructure. The money is being awarded to 20 applicants and will eventually fund 643 new Direct Current Fast Charging (DCFC) ports at 141 locations throughout the state. These awards come in addition to \$12.6 million the Illinois EPA awarded in Volkswagen Settlement funding for more than 300 new EV fast charging ports in 2023.

<https://electrek.co/2024/04/14/illinois-to-spend-25-1-million-on-public-ev-charging-infrastructure/>

Hawaii is becoming a leader in EV adoption

Hawaii this year ranks fifth in overall EV sales at 11.9% of new retail vehicles sold through February, according to J.D. Power. It's number 1 among states without certain rules intended to promote EV's and cut down on emissions.

Hawaii also ranks third – behind only California and Washington – in J.D. Power's "EV Adoption Score," which is weighted based on market, consumer preference and EV availability, among

other conditions.

Why Hawaii? It's a mix of things but mainly the high fuel costs, availability of renewable energy and culture, says Ivan Drury, director of insights at auto research firm Edmunds, who lives in Hawaii. Drury states: "There is a higher sense of responsibility towards stewarding the land versus most mainland states. If you look up 'Aina' in Hawaiian, you see what I mean, lots of pride for the land," also "We're on an island. No one is really worried about road trips unless they live on the big island."

<https://www.cnbc.com/2024/04/13/why-hawaii-is-becoming-a-leader-in-us-ev-adoption.html>

PHOTOS OF Mar. 15, 2024 MEETING Bruce Jones



President Jeffrey Miller kicks off the meeting.



Ken Johnson gave a great talk on Tesla Model S battery tech, and his project to convert a 1963 model 700 to electric.





Driving on the Wrong Side!

So, obviously I'm not taking the RAV4 EV. In fact Carvana made me an offer I couldn't pass up. Probably because it only had 44k miles!

I have a few friends in the UK, (Just a few); and I've reached out to them for suggestions on what to buy second hand. One of my friends was a longtime employee of Jaguar Land Rover primarily with special builds. His thoughts were:

In terms of electric cars the Kia & Hyundai models are very popular and have a seven year warranty - they probably have the most up to date tech as well. Prices have crashed recently due to oversupply and lack of demand so there should be some bargains. The latest MG EV's are also good, but avoid early ones as they didn't get good reviews...But being Chinese they have improved very rapidly.

The Jaguar i-pace got good reviews when launched & still does now, but it was one of the earlier EV's so the tech will now be dated + its a one-off platform which was put into production quickly (The cars are contract built by Magna Steyr in Austria) and it's not the tech which will be used on future JLR EV's...

There are also a number of EV manufacturers, most notably Fisker dumping new cars at huge discounts (about 1/2 price) because they are going out of business, so the cars are being sold without any after sales backup. This was sent to a friend of mine;

The Tesla M3 and S will be plentiful second hand with the big bonus of the supercharger network . The model Y which is more SUV-like hasn't been around for that long so I would imagine second hand prices will be high...Although with Tesla constantly messing with the price of new models there may be bargains . They have a pretty poor after sales reputation in the UK + the quality of early cars was not good...Broken suspensions, paint & corrosion issues. Very poor interior trim. Later models are much better though. Their tech is overrated as well, so-called autopilot is no better than intelligent cruise control on other cars & the latest Mercedes systems are far better...But they haven't got Elon to hype for them!

My other friend who has had a Model 3 for 3 years says:

With regard to a car.....

I would still recommend a Tesla Model Y as I think Tesla really has it sorted for electric cars, and they have a growing number of Superchargers here. In fact we are getting a Service Centre and Supercharger here in Lincoln soon.

You could get a second hand Model Y for 30-35K

Also the Kia EV6 is pretty good, not a small car, second hand maybe 30K

And the Hyundai Ioniq 5 for about 20-25K

Also there are a lot of chinese cars coming in, BYD and the new Xiami SU7 reasonably priced as new.

Anyway, I'm no expert as I am still loving my Model3, which I have had for nearly 3 years, from new.

I'm thinking along the lines of getting a car lined up, the Model Y is a good contender since you can put planks of wood in it. That's my measure of a car - How long can the planks be? So to have it purchased before we land and go directly to the car already to rock and roll! That will be a bit of a challenge since I have to get my UK driving license renewed, it's still current tho'! I also have to get the insurance sorted although my US insurer will vouch for my insurance no claims! Maybe a transcript of the DMV license record could be added. I'm researching insurance agents right now!

The other thing we have already done is go to an AirBnB which has an EVSE right there! So we'll be looking for an EVSE with a house attached and maybe some solar panels. That brings up an interesting point. Solar panels that are on a house being sold... If they were leased, why would you want to pick up that old lease with old panels?

P.S. Anyone want to buy three EVSEs with a house attached?

Upcoming EVents -

Rich Hirschberg

***If you know of upcoming car shows, cruise nights, parades, or get-togethers, please shoot me an email - GoAFVs@yahoo.com

Upcoming EVents – Spring/Summer

1. Earth Day at Peck Farm Park (Jay Womack)

Sat., April 20, 2024. Set up by 10 am

11 am to 1 pm

4038 Kaneville Rd., Geneva, IL 60134

<https://www.genevaparks.org/event/earth-day-at-peck-farm-park/>

2. Go Green Highland Park EV Show & Arbor Day Celebration

Sat., April 27, 2024

9 to 11 am

Ravinia Festival - West parking lot (entrance off Green Bay Road)

301 Ravinia Park Rd., Highland Park, IL 60035

<https://driveelectricearthmonth.org/event?eventid=4128>

3. Green Drives Conference and Expo (IACT)

Thur., May 9, 2024

8 am to 4 pm

Location: **Powering Chicago** - IBEW/NECA

Technical Institute

6201 115th Street, Alsip, IL 60803

<https://il-act.org/green-drives-2024/>

Illinois Alliance for Clean Transportation is excited to present the **2024 Green Drives Conference & Expo**.

Hosted by [Powering Chicago](#) at the IBEW-NECA Technical Institute in Alsip, Illinois.

Green Drives – one of the largest clean-transportation conferences held in the Midwest – is a must-attend event for government officials, commercial and municipal fleet managers, corporate sustainability officers, and clean-tech and clean-energy professionals who want to learn how

to use cleaner, lower emissions fuels and technologies, while saving money. Advanced vehicle technologies, electric vehicles, and alternative fuels were showcased, including dozens of green vehicles and exhibitors. Attendees will not only have a chance to network with experts from throughout the nation and the region, but will learn of first-hand experiences from fleets currently using alternative fuels and electric vehicles.

Fleet managers can attend Green Drives for free! The offer is for commercial or government fleet managers or other fleet operations decision makers, such as directors, city managers, mayors or county officials.

4. EV Charging Infrastructure Midwest 3rd Annual Conference

Hilton Hotel - Chicago, Magnificent Mile Suites

May 15-16, 2024

<https://web.cvent.com/event/CA59F508-9940-4745-A592-8B062D3EFD62/summary>

The Midwest is experiencing a surge in EV adoption. Illinois, Michigan, and Minnesota are leading the way by implementing supportive legislation and authorizing grant Programs.

With a rich automotive manufacturing heritage and progressive regulatory and political framework, the Midwest is well-positioned to adapt to the demands of the evolving EV landscape. The region must establish an efficient charging infrastructure while actively addressing equity and resilience challenges. This will ensure the continued expansion of EV adoption and play a pivotal role in fostering the overall socio-economic growth of the Midwest region.

The electrification of the transportation sector in the Midwest offers distinctive opportunities for establishing a robust charging network.

To address the challenges and explore solutions for advancing important issues in Midwest's charging infrastructure, **Global Transmission Report** is hosting its **3rd annual conference on EV Charging Infrastructure Midwest**.

5. Aurora Green Fest - "Electrify Your Life"

Bring your EV to this exciting event and share your experience with the attendees at this year's Aurora Greenfest. There will be many booths with environmental displays. Let's show the participants how much fun it is to drive and own an EV.

Sat., June 8, 2024 10 am to 4 pm Prisco Community Center, Aurora IL

<https://www.auroragreenfest.com/>

6. The 7th Annual Summer Celebration Car, Truck, & Cycle Show (Rich Hirschberg)

Sat., July 20, 2024

10:30 am to 3:30 pm

The Schaumburg Home Depot

100 Barrington Rd., Schaumburg, IL 60194

www.HomeDepotVehicleShow.weebly.com

Take care,
Rich Hirschberg

(c/t) 847.347.7171
Email: GoAFVs@yahoo.com

CACC Now IACT! Ted Lowe

Our Charter Business member has broadened their focus to all of Illinois!

Illinois Alliance for Clean Transportation (IACT) (formerly known as Chicago Area Clean Cities) is a 501(c)(3) not-for-profit working to promote the use of clean fuels for clean air throughout Illinois.

Our alliance includes people from private business, academia, government, scientific research and energy and environmental services. Our main goal is to help with the adoption of cleaner transportation options.

<https://il-act.org/>

FVEAA business cards available! Ted Lowe

See one of the officers to get some cards to hand out to people at various Events and daily life to promote EVs and our organization!

Fox Valley Electric Auto Association

PO Box 214 630-260-0424
Wheaton, IL 60187-0214 contactfveaa@fveaa.org

Free Yourself From The Pump^{fm}



Join Us and Discover How!

Check fveaa.org for details about our **monthly meetings!**



Login to our FVEAA website for access to lots of member-only tools! Ted Lowe

You can use the many membership-only tools on our website after you login! 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 2024-04-17 04:58:11

Website Registered User Statistics

Statistic	Value
Total Users	110
Users Never Logged In	37
% Active Users	66.4%
Ave. Days Since Last Visit	741.2 days

FVEAA On Facebook - Join Us! Like Us!

Ted Lowe

The **FVEAA Facebook group** has 135 members as of 1/17/24! 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/>

Here is the **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_Pgp6g-HEuMICWMO2akPw

Membership Update

Ted Lowe

Keep an eye on the **active paid-up** members count! 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 2024-04-17 04:58:10

Count of Members by Type

Membership Type	Count	Paid Up
Charter Business	1	1
Family	3	3
Individual	63	62
Lifetime	2	2
Totals	69	68

Other Statistics

Statistic	Value
% Paid Up	98.6%
Avg. Paid Up Days	396.2 days
% With Email	97.1%

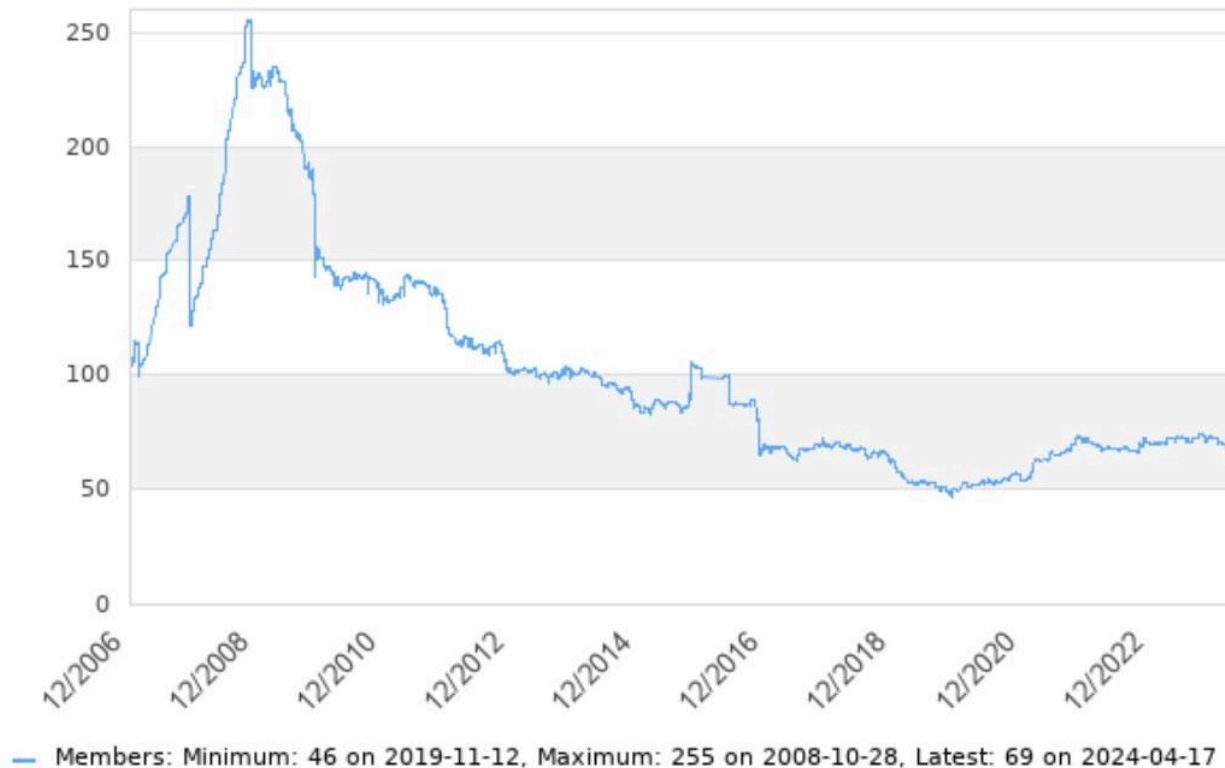
Encouraging Our Membership To Grow and Some History

Ted Lowe

We are growing! 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 April 17, 2024 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!

Opening

- President Jeff Miller opened the meeting at 7:10 p.m. at the Unitarian Universalist Society of Geneva.
- Jeff made opening statements and then introductions were held at the meeting room, then on-line attendees introduced themselves. Around 25 attendees in all

Electrifying a 1963 Chevrolet Corvair with Tesla Model S battery modules – by Ken Johnson

- Ken Johnson presented his findings regarding Tesla Model S modules based on his project to Electrify a 1963 Chevrolet Corvair 700 Coupe, which is posted on GitHub at

<https://kenjo.me/corvolt/battery-testing.html>

- The talk covered the following topics
 - Conversion Parts
 - Motor Install
 - Battery Support
 - Battery Module Capacity Testing
 - Charging
 - Discharging Logging Equipment
 - Data Acquisition and Calculation
 - Pressure Testing
 - Next Steps
- Thanks Ken we are excited to see all the progress you've made, and appreciate the detail on batteries.

Break

History of the FVEAA

- Christopher Sharp has been working very diligently for many months to gather information, interview members, and read the archives to outline the club's early years and history... about 35 pages of information so far!
- The FVEAA began in 1975. So our 50th anniversary is coming up next year.
- He is proposing we celebrate by holding special events, generate publicity and post as much of the history we can assemble.
- Too much excellent detail to list here, but thanks Chris for taking on this huge undertaking!

The meeting adjourned at 8:49 p.m.

FVEAA Membership Application Form - Version 2023-12-04

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 (1 year), \$38 (2 years), \$56 (3 years)
Business	\$100
Premier Business	\$250
Charter Business	\$500
Youth (21 or younger)	\$10

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 Charter Business Members

Illinois Alliance for Clean Transportation (IACT)

Samantha Bingham
2 N LaSalle St #950
Chicago, IL 60602
Email: info@il-act.org
Web: <https://il-act.org>



Illinois Alliance for Clean Transportation (IACT) (formerly known as Chicago Area Clean Cities) is a 501(c)(3) not-for-profit working to promote the use of clean fuels for clean air throughout Illinois. Our alliance includes people from private business, academia, government, scientific research and energy and environmental services. Our main goal is to help with the adoption of cleaner transportation options.