



November 2025 FVEAA Newsletter

Fox Valley Electric Auto Association

fveaa.org

The FVEAA is a Not-For-Profit Illinois Corporation and the Chicago-area chapter of The Electric Vehicle Association

FVEAA Monthly Meeting

When: Friday, November 21st, 2025 - Doors open at 6:45 pm

The meeting starts at 7 pm and will run until about 9 pm.

Where: 102 S 2nd St, Geneva, IL 60134

Map: [Unitarian Universalist Society of Geneva](#)

Virtual 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

Meeting Agenda:

6:45 Virtual meeting begins to test connections and chat
7:00 Introductions
7:30 Rap Hankins, President, Drive Electric Dayton - "EVs for ALL"
8:15 Break
8:20 Rap Hankins, "Strategies for FVEAA"
9:00 Adjourn

President's Words

Tracey McFadden

Dear EV Enthusiasts:

I am honored to serve as the President of the Fox Valley Electric Auto Association (FVEAA). Since becoming a member in 2018, I've had the opportunity to learn a great deal about this incredible organization and contribute in various leadership roles, including Board Member, Vice President, and Interim President.

Beyond my work with the FVEAA, I am actively involved in several environmental organizations focused on sustainable transportation and clean energy policy. I bring a background in legislative advocacy and a passion for advancing electric vehicle adoption through education and outreach. One of my most rewarding projects has been developing and delivering introductory EV education programs, alongside my wife Kathy, to the general public. I look forward to expanding our outreach efforts, growing our membership, and increasing our public visibility.

The EV landscape has evolved dramatically since the inception of the FVEAA. While we were originally founded by a group of engineers and EV builders, we now welcome a growing number of EV owners and enthusiasts who share our passion for innovation and sustainability. I am excited to help lead the FVEAA into its next chapter, with new speakers, fresh perspectives, and continued innovation in the EV space.

This month, my wife Kathy and I delivered an introductory talk about electric vehicles at the Unitarian Universalist church, which was open to the public and featured in the local newspaper. We were thrilled by the lively discussion and enthusiastic engagement from attendees. We hope to deliver more of these talks in the local community in the future.

Two upcoming events I want to highlight:

1. Don't miss our monthly meeting this Friday, November 21st, where we are thrilled to welcome Rap Hankins, President of Drive Electric Dayton. Rap brings extensive experience in building one of the most successful EV education and advocacy programs in the country. His work in Dayton has earned multiple awards, and he is widely recognized for his passion for spreading EV adoption, especially within underserved communities. (See below for his complete bio)

Rap will share insights on how he developed a thriving EV organization and explore ways we can apply similar strategies to grow our own efforts. We hope you'll join us for this valuable and inspiring connection. Learn more about their work at: <https://driveelectricdayton.com>

2. Our annual Holiday Party will take place on December 12th at Aurelio's Restaurant in Geneva. Join us for fun, food, holiday trivia, awards, and festive caroling led by the FVEAA Banjo Buddies. See the "Upcoming Events" section for more details and RSVP at the email address: FVEAA.rsvp@yahoo.com.

Thank you for your continued support, enthusiasm, and dedication to our shared mission.

Stay Charged!
Tracey

Vice President's Words

Marty Belovicz

Fellow EV team members:

As we end the year shortly, we as a group are looking for new ideas, thoughts, projects, and ways to spread the EV word and knowledge.

As the EV world has changed over the years, back when I joined, seeing an EV on the road

was a rare event. Now EVs are much more common, but a lot of people are still learning how to deal with the day-to-day charging challenges. These challenges are quite manageable and the FVEAA is a great resource to help people meet them.

I have created a form to let us know your thoughts and opinions on the future meetings:

https://forms.cloud.microsoft/Pages/ResponsePage.aspx?id=DQSIkWdsW0yxEjajBLZtrQAAAAAAAAAAAO_d1nGyFUMINRMEo4SU1aVzRERkExQVhKNEpCVjE1WS4z

I would also like to see what interests and projects you would like to see or help in. My email is martin.belovicz@mail.com, and my phone number is 847 321 5734.

End of an Era... Transferring Dakota EV to a local friend!

Ted Lowe

Yes... after driving an electric truck for 24 years, i'm going truckless :-) i wanted to simplify things in my life, get more garage space and only have to register/insure one vehicle (my 2023 Bolt). The Universe arranged a great situation as a young enthusiastic smart friend (Tom) was interested in taking ownership. He lives just one mile from my house and has a garage with L1 charging. I will be keeping the lithium cells i bought in 2017 to make a better DIY powerwall. He will be installing new cells with over twice the capacity (100ah -> 230a) with only a modest weight gain. We doublechecked that the new cells can be arranged in the existing premo custom kevlar covered battery boxes that Jeff Miller revolutionized back in 2017! More later on this cool swap-a-rama project :-) Charge on!



The last load of woodchip with a faithful friend!

FVEAA History by Chris Sharp

Christopher Sharp

The Early History of the FVEAA - Newsletters and Newspapers

Our organization has had a tradition of having monthly meetings and publishing monthly newsletters. The newsletters on our website started in 1984. It is a good source of information about our club because of the officer reports and the minutes of meetings that were published. The period of time from 1975 through 1983 has limited information. I have been seeking newspaper articles, pictures, statements from members, documents and other

things to help fill in that period.

Eric Krupa, Archivist and Curator of the St. Charles History Museum helped me this summer by doing an AI search of newspaper articles. He came upon an article in the St. Charles Chronicle of Wednesday, January 9, 1980. I found an online digital photo copy of it, but it was not very good. I had a hard time reading it. This led me to seek out the origin of this archive material. The source was the St. Charles Public Library. With the help of a library staff member, I was able to get a copy of the article about the FVEAA that I could read. This article was in section 1, page 25.

Title; "No Tiger in Tank, Electric Car Club in Conversion Stage

By Jim Fisher

There are two photographs as part of this newspaper article. Both pictures are very poor. The caption under the first picture is as follows;

John Stockberger of Batavia stands among some of the cars in his garage that are in the process of being converted from gasoline to electric power. Stockberger and members of the Fox Valley Electric Auto Assn. Inc. have converted six autos and three bicycles to electric power. Club members also are involved in designing an electric drive-train conversion kit that can be purchased and assembled by amateur hobbyists. (CHRONICLE photo by Alec Bainholtz)

The caption under the second picture is as follows;

Bob Kyp of St. Charles, a member of the Fox Valley Electric Auto Assn., owns one of the first cars the club converted to electricity; a 1971 Ford Pinto. On the outside, his car looks like any other Pinto of that year, but when it runs low on "fuel" he can plug it into any 110 volt outlet.

The article is informative. In paragraph 4 it says, " All 70 members meet monthly in Mid America Federal Savings in Wheaton to exchange information and share experiences."

Later in the article it stated that the group formed into a club three years before. This gives us a basic timeline. Originally met in 1975. Organized formally as a club in 1977. Incorporated as a Not-for Profit Corporation in 1979. Meeting regularly in Wheaton, Illinois and converting cars at John Stockberger's home.

(Below is a link to the article on line, thanks to a search using chatgpt.com - BJ)

[Jan. 9. 1980 St. Charles Chronicle page 24 Article on FVEAA](#)

https://stcharles.advantage-preservation.com/viewer/?k=fisher&i=f&by=1980&bdd=1980&d=01081980-01091980&m=between&ord=k1&fn=st charles chronicle usa illinois st charles 19800109_english_24&df=1&dt=4&cid=2738

by Christopher Sharp
November, 17 2025

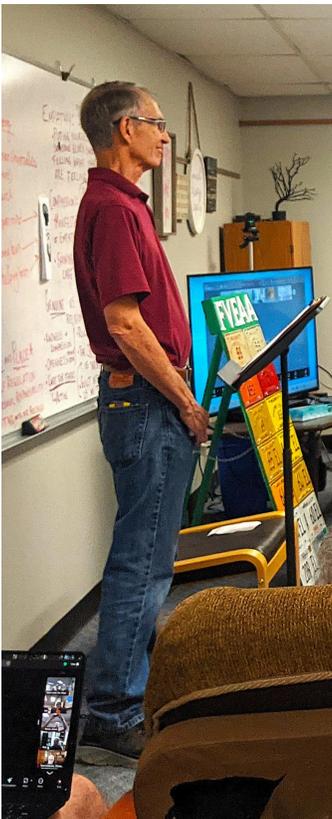
Board Member, Historian



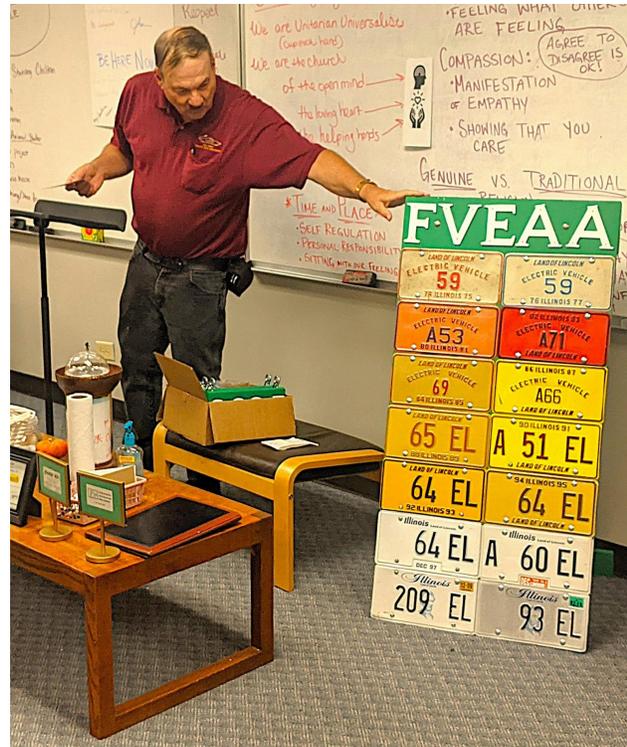
On-line attendees



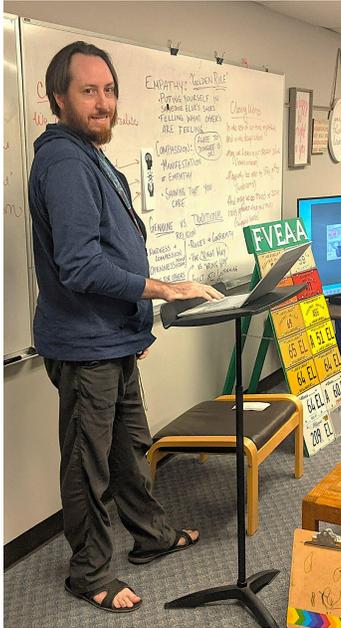
Jaclyn Feakins' Tesla Roadster



President Tracey McFadden presides over his first meeting as an elected President.



Chris Sharp describes the vintage EV license plates he mounted that came from the family of John Emde. John had collected them over decades of work to build the club and convert vehicles to electric vehicles.



Ken Johnson presented an update on his Corvair conversion to electric, the "CORVOLT"



What's next

- Finish assembling High Voltage Junction Box
- Get the battery boxes mounted into the car
- Crimp and route all the high voltage cable
- Finalize the low voltage wiring
- Rebalance the battery modules
- Test drive!
- Setup cooling loops for inverter and batteries



Jeffrey Miller discusses a house with 100 amp service, already has 125 amp load, wants to expand and go all electric by adding heat pumps and EV charging etc. **but** trying to stay below 200 amps since the service entrance was rated for that already. The utility would charge a lot

Residential Load Calculation was eye opening.

2017 Dwelling Unit Electric Service & Feeder Load Calculator			
220.12	General Lighting Load	3 sqft of floor area, including unused space adaptable for future use.	
		Floor Area = 2278 sqft	8,794 va
		Basement Floor Area = 1428 sqft	4,200 va
220.52(A)	Small Appliance Load	1500 va for each 20 amp branch circuit required per 210.1(C)(1) in EACH kitchen, pantry, breakfast room, dining room, or similar areas.	
		# of Small Appliance Branch Circuits = 2	1500 va = 3,000 va
220.52(B)	Laundry Load	# of Laundry Branch Circuits = 1	1500 va = 1,500 va
		Total General Lighting & Appliance Load =	17,494 va
220.42	Lighting Load Feeder Demand Factors	First 3000 or less at 100%	3,000 va
		From 3000 to 120,000 at 35%	5,089 va
		Remainder over 120,000 at 35%	- va
		Total Lighting Demand Load =	8,089 va
220.54	Electric Clothes Dryers	Qty = 3	Electric Dryer #1 = 1kw = 1000w
			Electric Dryer #2 = 1kw = 1000w
220.55	Electric Cooking- Ranges, Stove Tops and Wall Ovens	Qty = 3	Wall Oven Nameplate = 1kw
			Electric Range Nameplate = 8.000 kw
			Wall Oven Nameplate = 1kw
		Electric Cooking Demand Load =	6,400 w
220.51	Fixed Electric Space Heating Loads or Air Conditioning Load:		

to upgrade to 400 amps so trying to squeeze it into 200 amps is going to be a challenge. The owner will have to make some compromises and tough decisions, but it is possible.

How to get under 200 amps

- 120 volt heat pump dryer 5kw = 20 amps
- Lower power fixed rate car charger
- Higher power but dynamic car charger
- Heat Pump only water heater
 - no longer has high power resistance elements

Bio of Rap Hankins

Guest Speaker Nov 21st 2025

Rap Hankins is president of Drive Electric Dayton and the Electric Vehicle Association of Ohio. An ardent EV advocate, Rap owns two VW ID's: "Whisper" and "Nimble." From hosting multiple Drive Electric Dayton events, giving presentations, educating city staff at municipal conferences, and engaging elected officials one-on-one, his efforts know no bounds.

He is committed to EVs FOR ALL, including the installation of EV infrastructure in underserved communities where EVs must be ACCESSIBLE, AFFORDABLE AND RELIABLE. Throughout 2025, Drive Electric Dayton and the Electric Vehicle Association of Ohio participated in over 60 events before over 150,000 attendees. Drive Electric Dayton believes in the principle that we must go to the people and show them the multiple benefits of owning EVs.

Rap is the recipient of the Electric Vehicle Association's 2021 Champion of the Year; 2022 EV Advocate Award, and was presented with the 2023 Chapter of the Year Award. Rap with the 2023 EV Awareness Award.

The Chairman of the Racial Equity Initiative of the Miami Valley Regional Planning Commission(MVRPC), Rap was presented with the Tom Bradley Award by the National Association of Regional Councils. In recognition of his commitment to collaborating with the agency, community volunteers, and other organizations to solve some of the region's biggest problems, MVRPC presented Rap with the First Regional Partnership Award

Rap is excited about joining us this Friday, November 21, at 7 pm.

"We EV drivers and environmentalists are facing challenges from this administration, legacy auto manufacturers/dealers, and oil companies who are attempting to roll back decades of progress and eliminate tens of thousands of good paying jobs. We cannot let this happen. It is essential that we join together at this moment to assure US citizens the right to purchase and own EVs, which are among the greatest tools available to limit the effects of global warming."

Rap Hankins

President, Drive Electric Dayton and the Electric Vehicle Association of Ohio

rap.hankins@driveelectricdayton.com

937-239-7124

Annual FVEAA Holiday Party**Date:** Friday, December 12th**Time:** 6:00 – 9:00 p.m.**Location:** Aurellio's Pizza, 330 W. State St., Geneva, IL 60134**Cost:** Each person/family pays for their own food and drinks**Features:** The Banjo Brothers w/Saxie Mike, Bruce's gifts/trophies, Rich's Trivia**RSVP:** Email your RSVP/regrets to FVEAA.rsvp@yahoo.com**Menu Link:**https://aureliospizza.wpenginepowered.com/wp-content/uploads/2015/07/AUR_Geneva_18x12_CLR_Dine-IN_MENU_6_2024_WEB.pdf

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

Take care, Rich Hirschberg (c/t) 847.347.7171

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 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.

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 on the website! **Please renew** & recruit new folks!!!



FVEAA Membership Report

as of 2025-11-17 04:58:01

Count of Members by Type

Membership Type	Count	Paid Up
Business	1	1
Family	4	4
Individual	64	62
Lifetime	2	2
Totals	71	69

Other Statistics

Statistic	Value
% Paid Up	97.2%
Avg. Paid Up Days	357.2 days
% With Email	97.2%

Encouraging Our Membership To Grow and Some History

Ted Lowe

We live in a large metro area with 8 million people and EV adoption is growing, 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!

Our membership count peaked at 255 members in October 2008 when gas was nearing \$5 per gallon! We were also attending lots of invitational Events with our converted EVs. The first Tesla Roadster was just coming into being. **Let's get out there and grow the FVEAA!!!**

Monthly Treasurer Reports

Mike Moravek

As the new Treasurer, I will be publishing a brief Treasurer's Report to our forums around the time our monthly newsletter is published.

We want to Thank Ted Lowe for his 7+ years of fine service in this position! Thanks Ted!! Big shoes to fill!

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 10/17/2025

Bruce Jones

Introductions

- Tracey McFadden opened the meeting at 7:03 p.m. and held introductions on-line and on-site

Ken Johnson - the CORVOLT

- Ken gave a talk about the status of his conversion project, a long term effort to electrifying his Corvair with Tesla batteries and NetGain Hyper9 AC motor.
- The wheels now spin and it is working! But still lots more to do to finish the conversion.
- His family was there in support
- Great job Ken, keep a goin!

Elections

- Results from the election held at the Oct. 17, Meeting. Congratulations!
 - President: Tracey McFadden
 - Vice President: Marty Belovicz
 - Secretary: Bruce Jones
 - Treasurer: Michael Moravek
 - Board: Rich Hirshberg
 - Board: Ted Liu
 - Board: Christopher Sharp

Break

Christopher Sharp - Vintage EV License Plates

- Chris Sharp described the vintage license plates that he received from the family of John Emde from electric vehicles that John had built and registered in the State of IL since the early days of the FVEAA.
- Chris had nicely mounted many of the plates on a display board - nice job Chris!
- He was looking for someone to take the display board for display at future events and Bruce Jones volunteered to take it.
- The remaining loose plates were given to Andy Schaeffer for future event displays

etc.

Jeffrey Miller

- As part of electrification projects Jeff does on the side, he reported on a Naperville homeowner's potential "Convert my Home to All-Electric" project that was quite challenging.
- He explained the house has an existing service entrance of 100 amps that the utility stated was already capable of 200 amps and could easily be upgraded.
- However upgrading to 400 amps, would require a significant effort and at significant cost.
- The house already had a load of 125 amps and the Owner wants to go all electric, which could easily require 300 amps.
- He walked through the load calculation worksheet and described many decisions and compromises the homeowner could make to possibly squeeze everything into 200 amps,
- This was more affordable from a utility perspective but showed the potentially difficult decisions that would need to be made.

Adjourn

The meeting was adjourned at 8:58 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.