



November 2023 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 **November 17, 2023**
7:00 p.m. and will be IN-PERSON and on Zoom

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 November 17, 2023 6:45 PM CT (pre-meeting setup check),
Meeting 7:00 PM

Join Zoom Meeting:

<https://us02web.zoom.us/j/95901481473?pwd=UnpJVUJOUmVPOFZqR013ZFpPbzM0UT09>

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 hand

Contact us if you need the password for audio only calls.

Agenda

- 6:45 Virtual Meeting Starts (to test connections)
- 7:00 Introductions
- 8:00 Jeremy McClean with an update on his Delorean
- 8:30 Break
- 8:35 Ted Liu discussing Tesla Magic Dock at Tesla Superchargers
- 8:45 Jeff Miller Tesla Universal Wall connector if time permits
- 9:00 Close

October Meeting

Thanks to Scott Wilkinson for the tour of his VW Bus conversion project. It is looking great, and I hope to see it at a home repair project next year. Thanks to Kyle for the update on the Tesla rental process from Hertz. They have made some fantastic updates compared to when I last rented a Tesla back in May. Using the Tesla app is a far better experience than dealing with the key cards all the time. Lastly special thanks to the people who did all the hard work setting up the and running the NDEW events again this year.

November Meeting

First up we have Jeremy McClean with an update on his Delorean conversion. His last presentation was in the form of a stop motion video of his "robot" tearing down the Delorean. You will be forgiven for not remembering, it has been many years, so we are glad he is getting back to it. After that I am looking forward to Ted Liu's thoughts on the Tesla Magic Dock charging stations. If time allows I will talk about the new Tesla Universal Wall Connector. It's a slick piece of gear for about \$600.

December Meeting

I am hoping many of us can attend the **December 8th Christmas party in Arlington Heights.**

EVSE updates

Everyday I learn about yet another EVSE charging station company. (I am exaggerating) I recently learned about Cyber Switching EVSE.

<https://cyberswitching.com/product/240v-ev-charger-cse1/>

Considering it has a 4G modem in it, this isn't a terrible price. It also supports load sharing and other smart charger features. I have never seen one of these in the wild myself, however four of them are going to be installed at McHenry County College and will be free to the public. This caused me to look around to see what else was out there now for affordable charging. After browsing the usual suspects I stumbled on the latest offering from Tesla, the Universal Wall Connector.

<https://www.youtube.com/watch?v=X7HnxjNcH5Y>

This is a very positive review. For the reasonable sum of \$595 for the unit, and \$425 for the pedestal, it is an affordable solution for a 48 amp, J1772 and NACS connector station. It doesn't have a 4G modem, so you are limited to wifi. If that isn't an issue though, it's quite reasonable. Also mentioned in that review is that the Hilton hotel chain is buying 20,000 of them. I am excited to see where they turn up!

Update on my very small electrical and mechanical company

I have filed the LLC and am working through all of the paperwork for my new mechanical and electrical company. Everything should be done for the December newsletter, so I will give more updates there. I am taking the Master Electrician exam the morning of the next meeting, so hopefully that goes smoothly.

Illinois State Agencies to Purchase EV's

A recent bill just passed in the Illinois Legislature that requires all state agencies to purchase electric vehicles when they purchase new vehicles. It is headed to the governor's desk for his signature. We can help ensure this bill becomes law.

I ask that each one of us pickup our phone and dial 217-782-6830(or 6831) and say "**Please tell Governor Pritzker to support SB1769 which requires state agencies to purchase EV's when they purchase new vehicles**". The people you talk to are very polite and do listen. It's quick, easy, and please know **your call does make a difference.**

Networked Geothermal Systems

We all are familiar with geothermal heat pumps. Now networked geothermal is here. It's called Thermal Energy Networks (TEN's). It is a proven technology having been used on several college campuses already. Projects using this concept are moving forward in 12 states.

Instead of natural gas, networked geothermal uses interconnected ground source heat pumps. That means pipes running from under the street to buildings and homes are filled only with water, no gas. The system connects buildings with different heating needs. Energy is exchanged or stored in the ground until it is needed.

As a result of the passing of SB1699, the Illinois Commerce Commission is holding a series of workshops on the potential of TEN's and then will prepare a report which includes recommendations for deploying TENs in the state of Illinois. For a further explanation and a nice video on the subject please go to this website:

[TENs are a technology of networked geothermal to aid in the transition off of gas](#)

The Good

\$27M now available for DC Fast Charging in IL as part of the Rebuild Illinois capital program. Illinois EPA will fund a portion of the eligible costs associated with new commercial grade Direct Current Fast Charging (DCFC) stations for light-duty electric vehicles to be located at publicly accessible charging station locations in Illinois. Here are the details:

<https://epa.illinois.gov/content/dam/soi/en/web/epa/topics/air-quality/driving-a-cleaner-illinois/documents/daci-ceja-charging-round-1-nofo.pdf>

The Bad

The Illinois EV rebate program is shut down. The \$4,000 Illinois EV rebate program which runs from November 1, 2023 to Jan 31, 2024 has been shut down. The applications that have been received by the IL EPA has surpassed the amount of available funding. This was anticipated as the amount allocated this round was only \$12.5 million vs. last year in which \$25 million dollars was allocated. To put this in perspective, last year about 7,600 EV's received the rebate but with the lower budgeted amount only 3000 cars can get a rebate this year.

The Ugly

UN Study concludes global fossil fuel production plans far exceed climate targets—Reuters Nov 8 Global fossil fuel production in 2030 is set to be more than double the level deemed consistent with meeting climate goals set under the 2015 Paris climate agreement, the United Nations and researchers said on Wednesday Nov 7th. The U.N. Environment Program's (UNEP) report, assessing the gap in fossil fuel production cuts and what's needed to meet climate goals, comes ahead of the global COP 28 climate meeting which starts on Nov. 30th in the United Arab Emirates. For details see:

<https://www.reuters.com/business/energy/global-fossil-fuel-production-plans-far-exceed-climate-targets-un-says-2023-11-08/>

I hope everyone has a great Thanksgiving holiday. I look forward to seeing you all at the meeting on Friday as well as the FVEAA Christmas Party on Dec 8th



Meeting Attendees - on line and on site in Geneva, IL



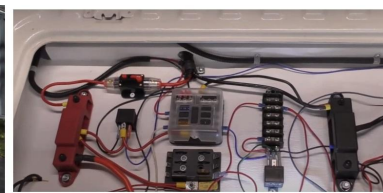
Scott Wilkinson

scott@fixitscotty.com

www.fixitscotty.com

 u/fixitscotty

 @FixItScotty



Thin rear hatch area with EV electronics, wiring

Scott Wilkinson presented an update on his 1978 VW Bus restoration and transformation to Electric Vehicle



Rich Hirschberg, long time FVEAA officer, is the creative force behind the Earth, Air and Green Leadership (EAGL) awards in the Northern Illinois Area. This year's winners included

- Ted Lowe our long time FVEAA officer and environmentalist, sustainable living expert
- Jay Womack who leads the Peck Farm Park Earth Day celebrations among many other sustainable living efforts
- and Jodi Trendler who, besides starting many other organizations and events, spearheaded the creation of the Naperville Environment and Sustainability Task force, (NEST) that provides guidance to Naperville leaders on sustainability, renewable energy and how to be a greener city.



William McDaniel is standing in a room, wearing a grey zip-up jacket and blue pants. He is looking towards the camera. In the background, other people are seated at tables.

William's EV Bimmer 325i

DSC01761 of the above Aluminum fittings finger tightened to the controller (this shows an exit to the high voltage side).

DSC01760 after placement of the controller enclosure as a trial fitting showing that after tightening there will be room for the tubing. Two holes with grommets will be prepared through the left wall of the enclosure for exit of the tubing (this shows an exit to the high voltage side).

DSC01830 after final installation with tubing exit to the low voltage side.

William McDaniel describes the products he builds and sells mainly related to converting a BMW 325i to electric.

Gibson's Garage Simon Gibson

Fires in Parking Garages

Just recently, October 10th, a fire started in a large multi story car park at Luton Airport in the UK. It is not surprising that the anti EV community immediately latched on to this event that destroyed about 1500 vehicles. However it was soon determined from video footage of the vehicle that initially caught fire, by running its license plate (Registration number), against the vehicle registration agency and it was determined that it was a diesel fueled Range Rover.

So, in my fire alarm thinking mode I started contemplating vehicles in garages, especially the attached garages that many have at home. Some people may have a fire alarm system that monitors areas such as the garage with heat sensors. But not smoke detectors for obvious reasons. However, fire usually starts with smoke and that would be the preferred method of detection. Sprinkler systems are not necessarily a good idea in the case of a fuel situation since water can actually spread the fuel around or even vaporize the diesel fuel and oils if there's already significant heat.

The other thought is that since most newer vehicles 'call home' it would not be unreasonable to expect the vehicle to call for help... Any thoughts? Anything that makes our environment safer can't be a bad thing!

[Simon/ all - is there a weather resistant smoke detector for garages and attics?... BJ]

Upcoming EVents - Winter 2023

Rich Hirschberg

The FVEAA Christmas Party

Friday, December 8th starting at 6 pm

One Arlington Apartments, 3400 W Stonegate Blvd.,
Arlington Heights, IL 60005 (Marty's place).

FVEAA will pay for pizza and salad. Plan to bring any other snacks &/or desserts. Food, fun, games, camaraderie, and maybe a surprise visit from the Magic Banjo Buddies, 😊

If you need charging, please contact Marty.

MAP: <https://www.apartments.com/one-arlington-arlington-heights-il/33fze9f/>

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
Wheaton, IL 60187-0214

630-260-0424
contactfveaa@fveaa.org

Free Yourself From The Pump^{fm}



Join Us and Discover How!

Check fveaa.org for
details about our
monthly meetings!



Hi Folks, 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 2023-11-14 04:58:11

Website Registered User Statistics

Statistic	Value
Total Users	109
Users Never Logged In	39
% Active Users	64.2%
Ave. Days Since Last Visit	662.2 days

FVEAA On Facebook - Join Us! Like Us!

Ted Lowe

The **FVEAA Facebook group** has 119 members as of 1/17/22! 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

We currently have **71 active paid-up** members. 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 2023-11-14 04:58:11

Count of Members by Type

Membership Type	Count	Paid Up
Charter Business	1	
Family	4	4
Individual	65	65
Lifetime	2	2
Totals	72	71

Other Statistics

Statistic	Value
% Paid Up	98.6%
Avg. Paid Up Days	413.8 days
% With Email	97.2%

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 November 14, 2023 6:33pm



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!

- 7:04 Jeff Miller, President opened the meeting and held Introductions all around for those participating

VW BUS CONVERSION

- Scott Wilkinson provided an update on his 1978 VW Bus restoration that he will eventually transform it to an electric van that he will use for his magnanimous fixit projects for homeowners who need but can't afford critical maintenance.
- His web site has multiple videos showing the transformation so far
- www.fixitscott.com
- (Scott previously converted a green Spitfire to electric over a decade ago...)
- <https://www.triumphexp.com/registry/1978-Triumph-Spitfire-1500-EVA11111.11267/>

RENTING A TESLA

- Kyle Platt described his experience renting a Tesla from Hertz
- On a trip to Indianapolis he rented the Tesla Model Y
- \$60/day weekend rate
- He commented on profiles, issues, proximity card, pin number for glove compartment but liked driving the Model Y

EAGL Awards

- Rich Hirschberg reviewed his Earth and Green Leadership (EAGL) award winners presented this year:
- Ted Lowe, Jodi Trendler and Jay Womack
- He also provided a summary of the NDEW North event where the awards are bestowed upon winners.

NDEW SOUTH

- Marty Belovicz reviewed the NDEW south event
- Showed his drone shots of the Fox Valley Mall where it was held.

BMW EV CONVERSION COMPONENTS

- William McDaniel took time to review some of the ingenious components, connectors and specialty items he makes and sells to those who are converting cars like the BMW 325i to electric.
- Cool stuff! Here are some links new and old
- <http://www.evalbum.com/4226>
- parts on
- <https://evbimmer325i.blogspot.com/>
- The meeting adjourned around 9:10 p.m.

BOARD MEETING 11/072023 Notes of Note

The Board passed a motion to donate 4 charging stations and 2 pedestals to McHenry County College, where we recently participated in the Green Living Expo on Nov. 4. Total FVEAA donation is \$2500. And Jeff will be generously chipping some additional money of his own so we can fully fund 4 units and 2 pedestals. The College is currently installing 4 Cyberswitching charging stations and 2 pedestals so we'll be doubling that with our donation. The College will pay for installation and we'll be adding a sign stating who donated them. The chargers are heavily used from what we've been told so they will be very much appreciated.

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 Charter Business Members

Chicago Area Clean Cities

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



Chicago Area Clean Cities (CACC) is a 501(c)(3) not-for-profit working to promote the use of clean fuels for clean air in the Chicago area and throughout Illinois. Our coalition 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.