



May 2022 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 **May 20, 2022**
7:00 p.m. and will be both **IN-PERSON at CCC AND VIRTUAL**

Community Christian Church

1635 Emerson Lane
Naperville, IL 60540

[Google Map](#)

We are using the Zoom video-conferencing platform to hold this **HYBRID** 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 if you want to join remotely:

Topic: FVEAA May 2022 Monthly Meeting

Time: Fri May 20, 2022 6:45 PM CST (pre-meeting setup check), Meeting 7:00 PM

Join Zoom Meeting:

<https://us02web.zoom.us/j/95901481473?pwd=U npJVUJOUmVPOFZqR013ZFpPbzM0UT09>

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

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

Topic: FVEAA May 2022 Meeting

Time: Fri May 20, 2022 7:00 PM CST

Agenda

- 6:45 Virtual Meeting Starts (to test connections)
- 7:00 Introductions
- 7:30 Laren Corie on the brighter side of the climate crisis
- 8:00 Break
- 8:05 Rich H with an update on EVents
- 8:15 Simon G on the London Taxi
- 9:00 Close

President's Words

Jeff Miller

Please pay special attention to the events section below, let's spread the word!

April Meeting

Thanks to Samantha Bingham from the Chicago Area Clean Cities Coalition, for the update on how they are helping with EV related investments in the Federal Infrastructure Law, and the Illinois Climate and Equitable Jobs Act. I am glad they are planning charging every 50 miles in the various corridors in Illinois and that they are trying to coordinate with the surrounding states to make sure that those line up with our neighbors. I have also recently read that Tesla will likely add J1772-CCS (DC Fast charging for all the other vehicles) to their new charging stations so they can also pursue some of these funds.

As I discussed last month based on the current proposed rules from IEPA, I believe there might be some credits for everyone who buys from an Illinois dealer in the first few months of this program. However if car prices escalate like they typically do during the summer we might not see much benefit as the dealers will no doubt be aware of these rebates and raise prices accordingly. If you are thinking about buying a vehicle and spot a good deal, I wouldn't wait for the credit, there are too many questions around who will get it. The rules will be revised again and we will review them again as we get closer to the July 1st date.

May Meeting

I am very interested in Laren's view on things. She is an architect and has been doing energy efficient design for a very long time. She offered to speak on a long list of topics, and I felt that "The brighter side of the climate crisis" is what I needed to hear, I hope everyone finds it interesting and useful. Thanks to Tracey for helping to organize getting Laren to our May meeting.

Simon G will then talk us through current progress on the London Taxi conversion project. It's obviously early in this project, but it will be good to hear about how things are proceeding.

Another car change

I ran across an 2020 Model 3 Performance for a favorable price in Maine, so I sold my 2018 Model 3 Long Range RWD and fly out on May 22nd to pick up the Performance model and drive it back. In the previous newsletter I said " I plan to register for the Concours in Geneva again this year, but the problem for me is you have to say on the registration what car you are bringing. With my habits of buying and selling cars, I have to wonder if I will even own the car I registered with this far in advance! I tease, I don't currently plan

to buy and or sell any cars, but one never knows. “ That is amusing! I managed to grab the last of the 1.99% auto financing to buy it, and future cars will be at less favorable rates. In theory this will slow down the churn of vehicles through my hands, as I will be reluctant to pay off a 1.99% loan and take on a new loan at 4% or whatever they settle on next. This being an October 2020 with only 20K on the ODO removes the risk of being out of warranty for a while, and that reduces my motivation to upgrade. It’s also the top end Model 3, with track mode and all of the fixings, so there isn’t anywhere to go up to on the Model 3. As discussed last month, even the Performance Model 3 is reasonable to insure, adding less than \$10 a month with this upgrade.

My wife Jessica is adamant that I SHALL NOT upgrade her Bolt, however I don’t hear that about the i-Miev, so it’s my most likely next upgrade target, and I can definitely see replacing it with another Bolt when prices come back down on them.

EEvents

NDEW (National Drive Electric Week) Events are being planned now, check below for links to them and sign up to volunteer and/or bring your EV. Also sign up for the Geneva Concours d’ Elegance if you want to attend.

Articles I found interesting:

<https://electrek.co/2022/05/10/tesla-add-ccs-connectors-supercharger-stations-us-elon-musk/>

<https://arstechnica.com/cars/2022/05/the-most-important-ev-of-the-decade-we-drive-the-f-150-lightning/>

<https://www.newyorker.com/news/annals-of-a-warming-planet/how-oslo-learned-to-fight-climate-change>

<https://arstechnica.com/cars/2022/05/vw-sells-out-of-electric-cars-in-us-and-europe/>

<https://arstechnica.com/science/2022/05/us-spending-money-to-spur-domestic-battery-production/>

<https://arstechnica.com/cars/2022/04/gm-boss-confirms-hybrid-corvette-due-in-2023/>

<https://arstechnica.com/cars/2022/04/our-first-impressions-after-driving-fedexs-new-electric-delivery-van/>

<https://arstechnica.com/cars/2022/04/forget-passenger-cars-heres-where-hydrogen-make-sense-in-transport/>

<https://arstechnica.com/science/2022/04/lithium-costs-a-lot-of-money-so-why-arent-we-recycling-lithium-batteries/>

Sat., July 23, The 5th Annual Summer Celebration Car, Truck, & Motorcycle Show, Schaumburg, IL

- Schaumburg Home Depot, 100 Barrington Rd., 60194
- 10 am to 4 pm
- Volunteers needed to help!
- Trophies, door prizes, silent auction, Home Depot vendors, music, etc,
- Benefiting the Schaumburg Township food pantry and the Hanover Park VFW's Operation Airlift.
- Participants: \$10 & perishable food items & items off the **Operation Airlift** list
- For more info and for the Operation Airlift donation list, go to...
 - <https://HomeDepotVehicleShow.weebly.com>
- All kinds of vehicles are invited, but this gives our club a chance to really show off our different EVs, share stories, and talk about "the EV grin".

Sun., August 28, The Geneva Concours d' Elegance Auto Show

- This premier auto show has thousands of attendees and hundreds of vehicles from around the country. It is a great opportunity to display our electric vehicles and talk about EVs and the FVEAA.
- Geneva, IL - 9 am to 4 pm
- Download registration form at:
<http://genevaconcours.net/Media/Media-pdfs/GC-car-club-registration-21-pdf-version.pdf>
- Under the Car Club Information section enter:
Name of Car Club - FVEAA Club Region - Naperville/Fox Valley
Club Contact - Tracey McFadden Contact Number - 630-365-5773
- Registration form **must be mailed** with a check for \$20. The tax-deductible proceeds go to Living Well Cancer Resource Center, Geneva IL.
- Please mail your registration early to ensure we get some parking slots as this event fills up quickly.
- More information is available at: <http://genevaconcours.net/index.htm>

Sat., Sept. 24, National Drive Electric Week Event - NORTHERN EVENT

- Location: TBD
- 10 am to 4 pm
- Featuring many different EVs, Ride-N-Drives, alternative fuel vehicles, EAGL Awards.
- Free to attend & display your vehicle

Sat., Oct. 01, National Drive Electric Week Event - SOUTHERN EVENT

- Location: Fox Valley Mall, Aurora, IL
- 195 Fox Valley Center Aurora, Aurora, IL 60504-4106
- Times: TBD
- Featuring many different brands and club member's EVs, Ride-N-Drives, the EV Grin.
- Free to attend & display your vehicle

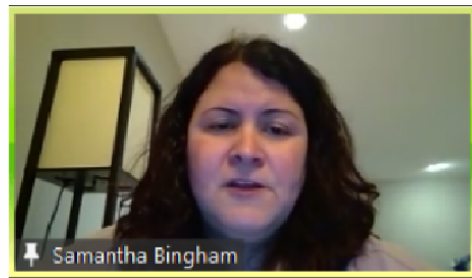
Samantha Bingham from Clean Cities Coalition presents on EV infrastructure funding

New EV Infrastructure Funding

Federal Infrastructure Investment & Jobs Act - \$7.5B Investment

Sec 11401 – Grants for Charging and Fueling Infrastructure for Corridors and Communities

- \$2.5B for Alternative Fuels (EV, +)
 - FY2022 - \$300,000,000
 - FY2023 - \$400,000,000
 - FY2024 - \$500,000,000
 - FY2025 - \$600,000,000
 - FY2026 - \$700,000,000



National Electric Vehicle Formula Program

- \$5.0B for EV Corridors (\$1B/year for FY2022-2026)
- Illinois Apportionment: \$148,621,459 (To be administered by Illinois DOT)

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New EV & Infrastructure Funding

State of Illinois Climate and Equitable Jobs Act

Utility Beneficial Electrification Programs

- No later than July 1, 2022, electric utilities serving greater than 500,000 customers in the State shall file a Beneficial Electrification Plan with the Illinois Commerce Commission for programs that start no later than January 1, 2023.

Charging Rebate Program (20 ILCS 627/55 new Sec. 55)

- beginning July 1, 2022,
- public and private organizations and companies eligible
- install and maintain Level 2 or Level 3 charging stations
- up to 80% of the cost of the installation of charging stations.

Electric Vehicle Rebates (415 ILCS 120/27 new Sec. 27):

- Beginning July 1, 2022, a \$4,000 rebate for the purchase of an electric vehicle

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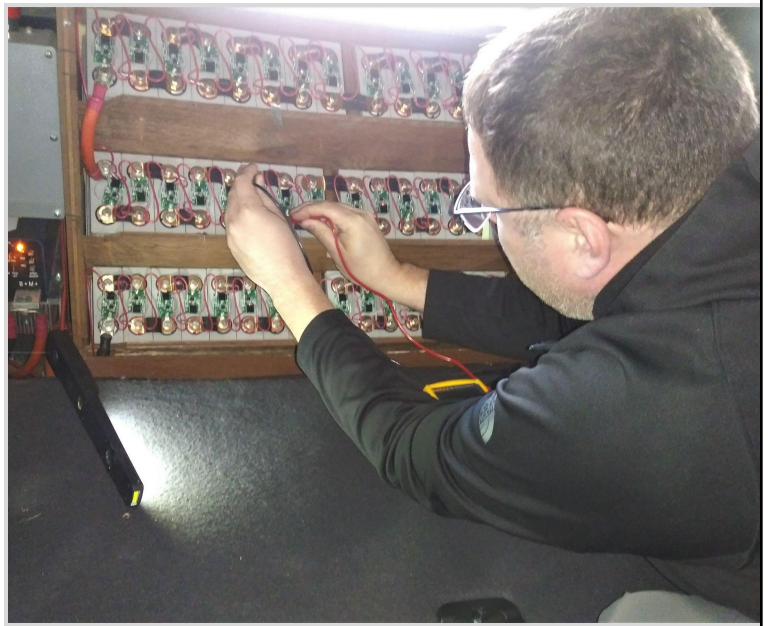
GONNA CHARGE UP WITH A LITTLE HELP FROM MY FRIENDS



04/09/2022 Jeff and Simon help Bruce to charge up some low battery cells in the Hupmobile using Simon's IMAX B6 A2 v2 (blue unit on left). Bruce says THANK you for showing him how to do this!!



Simon entering the parameters and (Right) Jeff checking voltages



EARTH DAY 04/23/2022 at Peck Farm Park



Earth Day at Peck Farm Park 4/23/2022 - Cathy and Tracey with their two VW ID4s



Jay Womack (Center) with his silver Chevy Bolt that he bought from Tracey. Very happy with it!



Chris Young at Peck Farm Park Earth Day with his pristine S-10 EV Conversion truck!



Bruce, Tracey, Larry Haynes, Chris Young with the Plug In Hybrid Electric Hupmobile Hot Rod



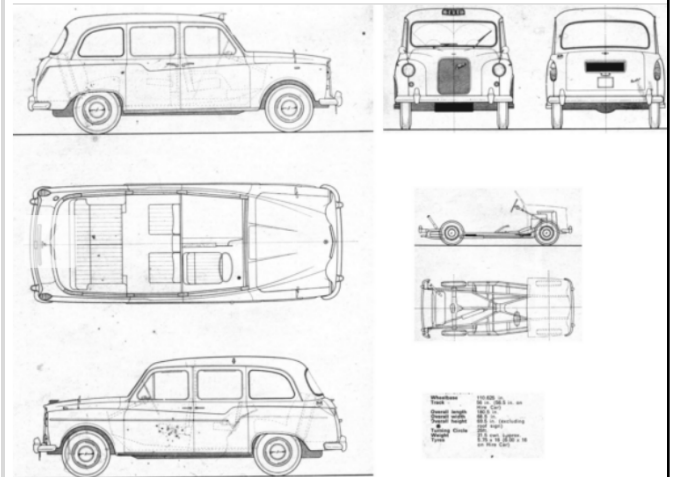
Jeff Miller at the Naperville Earth Day 4/23/2022. Tom Coleman's white Bolt EV parked on the left. (Jeff also participated at the Peck Farm Park Earth Day on 4/22. Busy weekend!)

PINK 1982 TAXI AT THE LANGHAM HOTEL - LOOKING FOR EV TRANSPLANT



On 4/30/2022 Jeff Miller, Simon Gibson, Rob Schwartz traveled to the Langham hotel in Chicago, met Pat Maloney and did an initial survey of the pink taxi. Simon's 1/24 scale model of the car is shown above. (nice job Simon!)

CARBODIES LONDON TAXI



Carbodies London Taxi photos, picture # 0. size: 2373x1705



Lots of close up videos on-line. Now we need a garage to work on it!



Simon's FX4 folder for the electric taxi

<https://drive.google.com/drive/folders/1emfrawDS7FACX2RkrKMbf275dt1KX51y>

Review 1981 Pink London FX4 Taxi for EV Conversion

1. Patrick Maloney provides access to the taxi so that it can be examined and discuss conversion of the diesel-powered vehicle to electric propulsion.

NOTES

1. Jeff Miller and other members visually inspected the taxi, parked at the front of the Langham hotel taking pictures and measurements so as to get some basic data points to discuss conversion options.
 - Frame underneath has X braces, 32" across the frame, 56" edge to edge.
 - Rocker / Sill edge of the body is 78½" long.

- Wheelbase is 111" long
- Engine bay is 30" wide, 27" front to back and 24" high.
- Inside the Taxi, the passenger area is 59" wide and 68" door to door.
- Tire Track is 62½" Rear to the outside edge of the tires, 61" Front tires
- The trunk / boot is 22" deep at the bottom; 45" wide and 23" high. It is 12" deep at the top, the inner seat squab is inclined at about 50 degrees.
-
- 2. The meeting continued inside the hotel and additional FVEAA members were able to attend via zoom. The following topics were discussed:
 - Approaches:
 - Conversion projects as complete kits - Rolly
 - Custom Car Shops - places that would do the work.
 - Layout - Jeff suggested raising the car to accommodate a battery pack.
 - Battery pack size? Chevy / Leaf / Tesla. Weigh and location are key factors such as the trunk (boot).
 - Objective:
 - Miles per day - Pat suggested typically no more than 20 miles per day. Range probably not an issue.
 - Keep the interior the same as much as possible
 - Keep the exterior the same - visually it is the same London FX4 taxi cab.
 - Should be easy to operate even though only several staff members operate the vehicle.
 - Drive line sizes were discussed -
 - Warp 9 motor
 - Complete Chevy Bolt drive system, battery, controls etc.
 - Live axle drive unit
 - Controls:
 - Display updated to include the relevant EV information - An LCD display talking CANBus to the various systems of the EV drive system.
 - Simple to operate
 - Charging
 - The taxi would be charged in a location within the hotel loading bay area. When the Taxi is not in use it would be plugged in.
 - William advised that it should be left plugged in when not being used, particularly in the winter, to ensure that the battery is thermally regulated to maintain it's service life.
 - A level 2, 240 VAC, 40 Amp EVSE charging point should be installed.
 - Connection to charging equipment should use standard connection - Location of connection may be challenging since the existing fuel filler is not a waterproof location unless some retractable cord is used.
 - Accessories:
 - Electric Brake Booster
 - Power Steering Booster
 - AC - Usually driven off the main traction Pack
 - Heating / De-Icing
 - Packaged Conversions:
 - Ready made drive units with inverter and controls
 - Re-packaged Tesla drive units
 - Independant suspension replacement system
 - Front drive solution - eg complete Chevy Bolt drive train.

- Concerns:
 - Keep the outside of the taxi as identical as possible.
 - Battery pack - weight and location
 - Reliability
 - Altering the frame impacts overall liability.

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

Ted Lowe

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 2022-05-17 04:58:08

Website Registered User Statistics

Statistic	Value
Total Users	90
Users Never Logged In	32
% Active Users	64.4%
Ave. Days Since Last Visit	419.6 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_Pgp6q-HEuMICWMO2akPw

Membership Update

Ted Lowe

We currently have **68 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 2022-05-17 04:58:08

Count of Members by Type

Membership Type	Count	Paid Up
Business	1	1
Family	4	4
Individual	61	61
Lifetime	2	2
Totals	68	68

Other Statistics

Statistic	Value
% Paid Up	100.0%
Avg. Paid Up Days	357.1 days
% With Email	97.1%

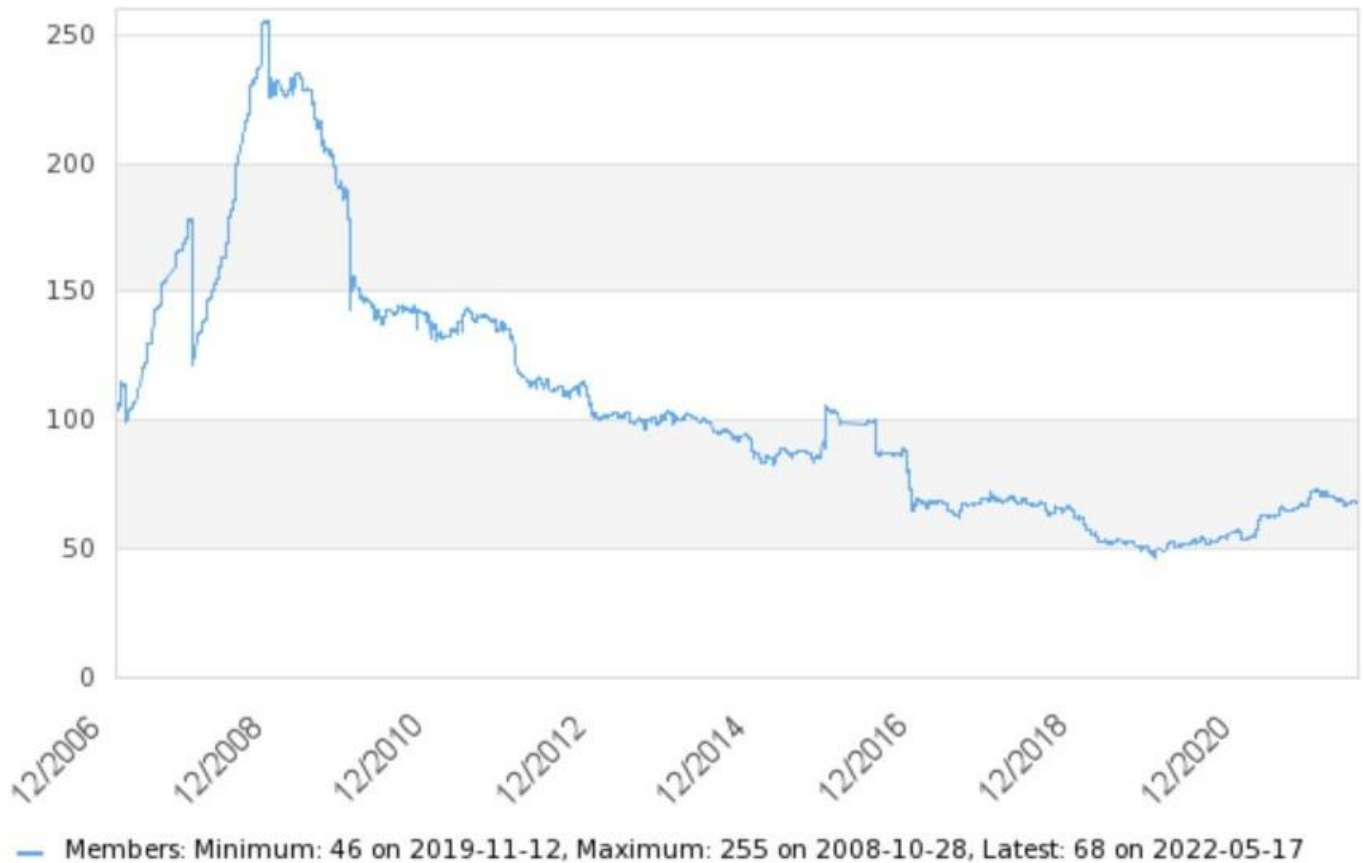
Encouraging Our Membership To Grow and Some History

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 May 17, 2022 8:04am



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!

INTRODUCTIONS

- **>>Thanks to Marty who set up and worked the video/audio gear for our hybrid meeting! <<**
- President Jeffrey Miller started the in-person and virtual meeting at 7:00 p.m.
- Jeff hosted the Opening and Introductions - folks in person at CCC and on-line via Zoom introduced themselves
- Steve's cars for sale
 - As noted previously, Steve is still looking to sell a 2009 Toyota Prius and his 1979 Electrek built by Unique Mobility. Please email Steve, ib1777@yahoo.com

AUTOCYCLES

- Jeff Pessinger was in attendance as an Aptera brand ambassador. He brought up good questions about why three wheeled vehicles like Aptera a) are not categorized like cars but b) are considered like motorcycles and not available for incentives when c) they are the most affordable EVs available which should help those with lower incomes afford driving an electric vehicle.
- Great questions our lawmakers need to consider!

ELECTRIC PINK TAXI

- Pat Maloney with the Langham Hotel in Chicago has a goal to convert a pink 1982 London Taxi to an EV. The hotel has a budget to convert it, so first we need to check it out and see what would be needed. Then see if FVEAA would take this on as a project.
- We scheduled a visit downtown to see Pat and the taxi Sat. 4/30 at 9:30 a.m.
- Stay tuned on this potential electric pink project!

DAVE - 1940 CLASSIC CAR CONVERSION

- Dave also mentioned he is looking to convert a 1940 Ford to Electric.
- **Maybe we need a single large garage to do both the Ford and the Pink Taxi?**

JEFF AND EVs IN THE NEWS

- President Jeffrey Miller was recently interviewed on NBC TV
- Marty showed a video clip of the News, highlighting our president Jeffrey Miller on electric vehicles.
- **Link:**
<https://www.nbcchicago.com/news/local/chicago-politics/rep-foster-casten-discuss-investments-in-electric-vehicles/2813143/>
- Great Job Jeff!

CLEAN CITIES - SAMANTHA BINGHAM

- Samantha Bingham from the Chicago Area Clean Cities Coalition, provided an update on how they are helping with EV related investments in the Federal Infrastructure Law, and the Illinois Climate and Equitable Jobs Act.

BUY AN EV NOW or LATER?

- Jeff provided his thoughts on the Illinois EV incentives from the Illinois EPA to help answer the question: Should you buy an EV now, or wait to try to get the \$4,000 incentive in July?
 - You may be eligible for an IL EPA direct \$4,000 rebate from St. of IL starting July 2022
 - Buy a used or new EV from an IL dealer and own it for 12 months
 - Funds will be available for only 6250 rebates – so very limited
 - Priority goes to those with lower incomes about \$55k
 - For more info on 2022 Illinois - Rules of Governmental Agencies. Open below link to the document and search on Electric Vehicles. See changes being proposed for EV rebates
 - https://ilsos.gov/departments/index/register/volume46/register_volume46_issue_9.pdf

UPCOMING EVENTS

- Rich Hirschberg presented our MANY upcoming EVents - see the growing list!

NEXT MEETING IS FRIDAY MAY 20, AT CCC AGAIN

ADJOURN

- The meeting adjourned at 9:00 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

EV Converters LLC

Rolly Waller
130 Windsor Park Dr, C121
Carol Stream, IL 60188
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).