



April 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 **April 22, 2022 <<FOURTH FRIDAY>>**
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 April 2022 Monthly Meeting

Time: Fri April 22, 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 April 2022 Meeting

Time: Fri April 22, 2022 7:00 PM CST

Agenda

- 6:45 Virtual Meeting Starts (to test connections)
- 7:00 Introductions
- 7:30 Samantha Bingham on EV related investments
- 8:00 Break
- 8:05 Rich H with an update on EEvents
- 8:15 Jeff Miller will share his thoughts on the Illinois EV Tax credit
- 9:00 Close

NOTE: APRIL MEETING AT CCC is on Friday 22nd (The 4th FRIDAY!)

President's Words

Jeff Miller

In Person meeting on the 22nd!! It has been many months since we have met in person and I look forward to seeing everyone again. Masks are not required, you are welcome to wear one though.

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

March Meeting

Thanks to Simon for showing his plans for the informational brochure for future installers and owners of car charging stations. I also had a good time reviewing what I saw at the Chicago Auto Show.

April Meeting

First up is Samantha Bingham from the Chicago Area Clean Cities Coalition, and she is going to give us an 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 certainly excited to hear about their progress and plans.

After the break I will give my thoughts on the Illinois EV tax credit implementation by the Illinois EPA. My goal is to try to figure out, if you are in the market for an EV, should you buy now, or wait to try to get the credit in July. As I have been reading the proposed implementation there are several key areas that might shift to affect things, and the car market as a whole is a mess too which could negate the savings. The caveat is that I will be going over proposed rules, and they won't be final at the time of our meeting. I anticipate us reviewing these rules again once they are finalized.

My home improvement projects

My solar array produced a decent amount of energy in March, but Comed didn't give me any credits for what I sent out to the grid. Looking on the Comed website, this seems to take an additional billing period before you get the credits on your statement. I added an Emporia energy monitoring solution to my house so I have a pretty good idea on how much I sold back versus how much I self consumed, however, I can't have exact data because the Emporia doesn't properly handle two main panels behind a single meter. It effectively treats the two main panels as separate services, which doesn't work well for it accounting for the self consumed energy used by the panel without the solar back feed breaker in it. My solar array produced about 880KWH (it was cloudy in March) and I self consumed about 600KWH of that. If Emporia had the ability to treat the two panels as a single service then I wouldn't have to guess how much I self consumed

on the other main panel. I could in theory download detailed data and load it into a large spreadsheet and try to figure it out, but I am not that motivated. I presume next month I will see it all on my Comed bill. I will say the Emporia system is pretty nice for the money. It isn't the most amazing system ever conceived, but for less than \$200 (for a single panel setup) it offers a tremendous amount of capability and ease of use. This is a situation where I actually went with a simple off the shelf solution versus building a custom, massive, and complex system. I have read there are ways to extract data from this hardware into a custom software stack to do more advanced things, but that is a topic for another time.

On the Emporia, my drink fridge has been building up ice around the evaporator inside the unit for a while now, and on Sunday it started using much more energy than it had before. I thought someone had left the door open again, but it turned out the ice was preventing it from actually evaporating enough refrigerant to keep it happy. I thawed it out enough to remove the large chunks of ice and it went back to its normal energy usage pattern. This was a significant increase in energy. It went from using just under one KWH per day to using three KWH per day overnight. I was actually shocked how it went from "fine" to "bad" in a single day. I usually think of refrigeration systems degrading slowly over time, not hitting a wall where their power use spikes many times higher than expected.

I didn't notice this on my own, I had configured an alert to tell me if someone had left the fridge door open for an extended period, and I got that alert. I investigated and found that the issue wasn't the door, but that the ice build up had hit a critical point. I am happy with how that worked out, and it probably saved the fridge from overheating and killing its compressor, which would have been an expensive issue to resolve.

Events

As we are getting into warm weather events are starting to happen again. 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. In truth, with teenage drivers in the house now my insurance is a bigger factor than it used to be, so that throws a wrench into my usual silliness. The Model 3 isn't much different than the Bolt or i-Miev where a Model S would be MUCH worse. That said the Kia EV6 is tempting, but it would be replacing the Model 3, and I have become somewhat fond of it. Only time will tell what will happen next.

Articles I found interesting:

<https://electrek.co/2022/04/08/new-york-state-governor-100-electric-school-buses-2035/>

Courtesy of Rich H

This is much better news than just a Governor offering an aspirational goal. This is a state law that is funded and even includes research to make sure obstacles are identified and cleared early on. It's a model the rest of the country can follow.

<https://www.blue-bird.com/buses/electric-school-buses>

155KWH, 50KW DC fast charging, 120 mile range school bus.

<https://arstechnica.com/science/2022/04/could-high-flying-kites-power-your-home/>

<https://arstechnica.com/cars/2022/04/nissan-nasa-aim-to-ditch-rare-pricey-metals-in-solid-state-batteries/>

<https://arstechnica.com/cars/2022/04/buying-a-new-car-this-database-might-help-save-thousands-in-dealer-markups/>

<https://arstechnica.com/cars/2022/04/multiple-recalls-spark-fed-investigation-of-lgs-electric-car-batteries/>

As we all know LG has had some challenges, and it's good that the NTSB is thinking along these lines.

<https://www.theverge.com/2022/4/4/23010039/delorean-electric-concept-reveal-pebble-beach-date>

<https://arstechnica.com/cars/2022/03/whether-you-love-the-idea-or-hate-it-lotus-is-making-an-electric-suv/>

<https://arstechnica.com/cars/2022/03/polestar-brings-a-cheaper-single-motor-polestar-2-to-the-us/>

A lower price Polestar 2 could be a compelling purchase and since it keeps the same battery pack and drops one motor, it might actually have a bit more range. Polestar also has the direct to consumer model like Tesla, so it could be a good way to avoid dealer mark ups this July.

<https://arstechnica.com/cars/2022/03/what-we-learned-by-driving-the-prototype-nissan-ariya-ev-crossover/>

<https://teslike.com/>

A range comparison tool based on real data, not EPA ratings.

<https://arstechnica.com/cars/2022/03/volvo-chargepoint-starbucks-to-expand-seattle-denver-ev-charging/>

https://afdc.energy.gov/fuels/electricity_locations.html#/find/nearest?fuel=ELEC

<https://arstechnica.com/cars/2022/04/who-cares-about-climate-change-biden-brings-back-e15-gas/>

<https://www.theatlantic.com/magazine/archive/2022/05/social-media-democracy-trust-babel/629369/>

I apologize that this article definitely isn't EV related, and it's pretty long, but it's also one of the best things I have read all year. If you are trying to comprehend why the world has changed, this author takes a serious stab at it, and it brings many things I have thought about generally into a tighter focus. One of the many things that hit home for me is that even though I don't personally use social media platforms, I realized I have still been influenced by them through my friends and relatives that do use them. It's incredible how much impact they have had on society, and the author raises some interesting points on potential ways to reduce the impact. As with most things, there is no possible way to reverse the effects, the impacts are massive and will be long lasting. The best we can hope for is to reduce the impact going forward.

Upcoming Events - Spring 2022

Rich Hirschberg

Sat., **April 16**, Elgin, IL Drive Electric Earth Day (DEED)

- 5th Annual Earth Day Celebration at Hawthorne Hill Nature Center
- 25 Brookside Dr., Elgin, IL 60123
- ***If you can help out with our club's booth, let me know asap.....even if for a little while.
- Set Up: 8:45-9:30 am - - - we only have room in our display for 2 vehicles.
- Event Starts: 10 am - - - - ENDS: 2 pm - - - - City will provide: 1 table, 2 chairs
- Car-pool if possible - limited parking
- <https://bit.ly/earthdayhawthorne>
- From the City of Elgin: birdhouse building workshops (Elgin Area Men's Shed), Face Painters, Bat Habitat Presentation (Flying Fox), Tree Sapling Giveaways (Elgin Parks & Rec), Rain Barrel Pre-Sale (Conservation Fund) and launch Turtle Basking Platforms on our ponds (Alex Carroll, BS Troop #38).

Sat., **April 16**, Atlanta, IL Drive Electric Earth Day (DEED)

- 10 am to 2 pm
- On Route 66 just off I-55 approx. 30 miles south of Bloomington-Normal, IL and 45 min. north of Springfield, IL
- Contact Whitney Ortiz, Tourism Director for Atlanta, IL - 217.871.7557 to reserve a spot.
- Their 2nd EV Cruise-In event held in the Route 66 town of Atlanta, Illinois. Join fellow EV enthusiasts for an Event like no other - EVs on Route 66! Head into the Route 66 town of Atlanta,

Illinois for the day and enjoy being on the famous 'Mother' road laid in 1926.

- The cruise-in will take place on Arch Street between Race and Vine Street on April 16th. For the early arrivals, we will have Cars & Coffee followed by the traditional cruise-in.
- Fellow EV enthusiasts in the area are welcome to attend with or without their cars.

Fri., April 22, FVEAA Meeting in person and ZOOM

- 7 to 9 pm
- Community Christian Church
- 1635 Emerson Ln, Naperville, IL 60540
- All are welcome – members, non-members, guests

Sat., April 23, Geneva, IL Earth Day

- 11 am to 3 pm
- NRC and Geneva Park District Earth Day Event
- Location: **Peck Farm Park**
- 4038 Kaneville Rd, Geneva, IL 60134
- Bring your EV and talk to the public about it. We have an opportunity to really make progress as many people are being forced to be open minded by the high gas prices.
- Additional activities - ribbon cutting – tree planting – Earth Day Celebration – Family Bike Tour.
- Register at genevaparks.org or call 630-232-4542

Sun., April 24, Naperville, IL Earth Day

- 1 to 4 pm
- Ft. Hunt Activity Center
- 20 Fort Hill Drive, Naperville, IL 60540
- MAP
<https://www.google.com/maps/dir//20+Fort+Hill+Dr.+Naperville.+IL+60540/@41.7740374,-88.1973192,17z/data=!4m9!4m8!1m0!1m5!1m1!1s0x880ef8450185ec83:0xb1ce2e2a9d9d214f!2m2!1d-88.1951305!2d41.7740374!3e0>

Tues., May 3, The 2022 Green Drives Conference and Expo

- 8:30 am to 4 pm
- NIU Naperville Meeting & Conference Center
- 1120 E. Diehl Road, Naperville, IL 60563
- **Green Drives** – one of the largest clean-transportation conferences held in the Midwest – is a must-attend event for government officials, commercial & municipal fleet managers, corporate sustainability officers, and clean-tech & 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 will be showcased, including dozens of green vehicles and exhibitors. Network with experts from throughout the nation & region. Hear first-hand experiences from fleets currently using alternative fuels and electric vehicles. Attendees can test drive vehicles of all different sizes.
- Cost to attend
- Website: [2022 Green Drives \(chicagocleancities.org\)](http://chicagocleancities.org)

Sat., July 23, The 5th Annual Summer Celebration, Schaumburg, IL

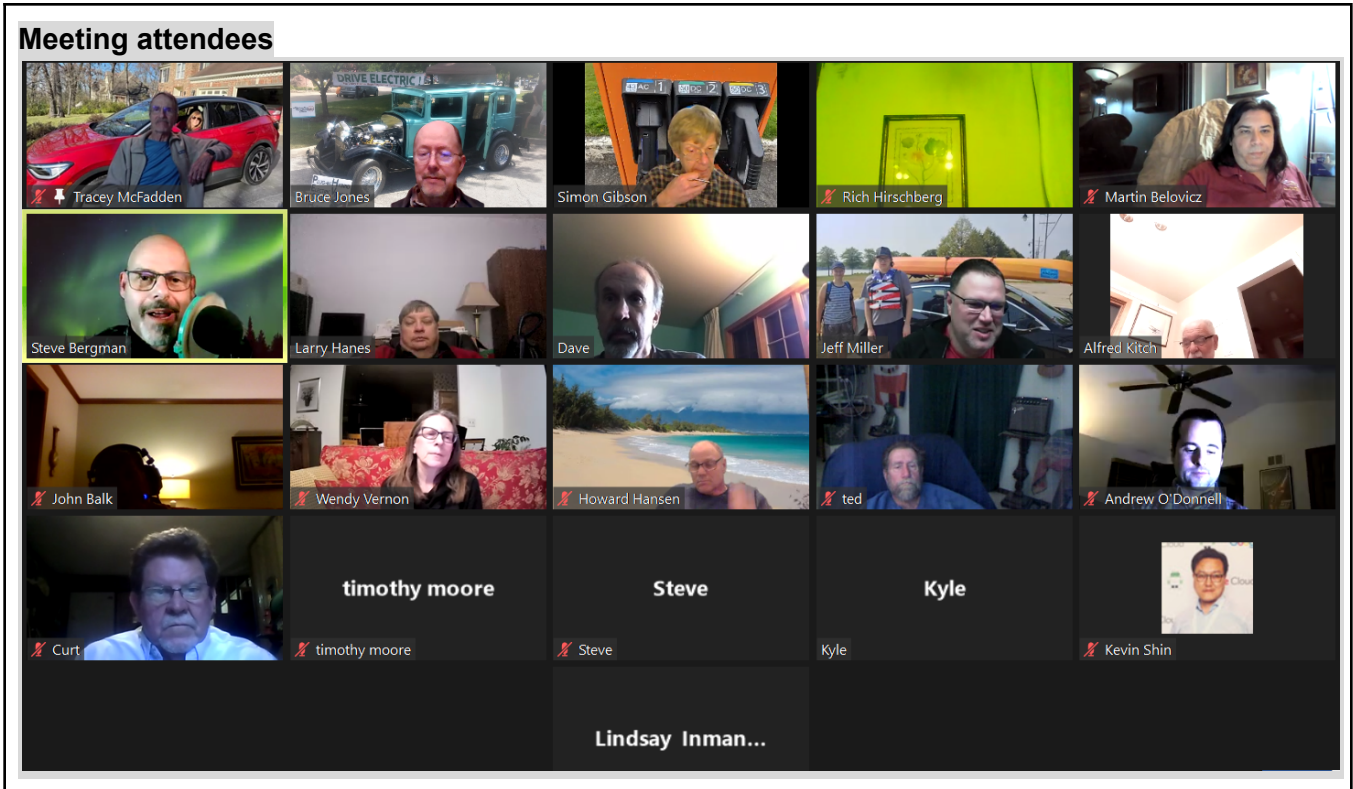
- Schaumburg Home Depot, 100 Barrington Rd., 60194

- 10 am to 4 pm
- Trophies, door prizes, silent auction, Home Depot vendors, music, etc,
- Benefiting the local food pantry and the Hanover Park VFW.
- Participants: \$10 & perishable food items & items off the **Operation Airlift** list

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 FVEEA.
- 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 - FVEEA 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>

Photos of our Meeting March 18, 2022 Bruce Jones



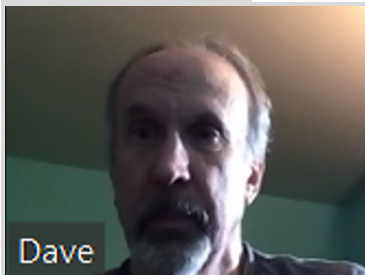


Lindsay Inman attended the meeting representing The Langham Hotel in Chicago



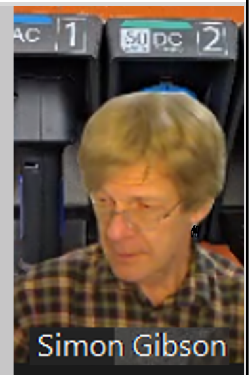
She said the hotel is looking to convert this pink London Taxi from ICE to an Electric Vehicle. It is used as a house car for their guests and they thought it would be great if it could be converted into an electric car.

David Martinson also attended and is looking to convert a 1940 classic car to electric as well.



Installation of EVSE (Electric Vehicle Supply Equipment)

- Requires electrical installation that is safely and efficiently installed at the home and in compliance with building and electrical codes.
- Typically an electrician applies for a permit to install EVSE; the pamphlet would guide the electrician / electrical contractor to undertake this process in an efficient, safe and cost effective manner.



Simon Gibson

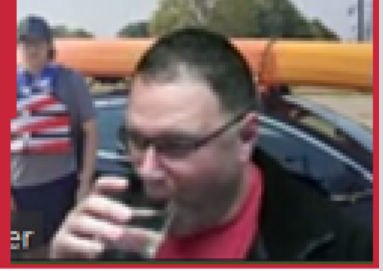
Simon presented his Training Brochure idea to the ICC Beneficial Workshop recently and gave the presentation at the meeting



Ted Lowe, pictured in a photo from 2002, owned one of the early Electric Vehicles in Illinois, the Yellow S-10, and now has the green Dodge Dakota



Chicago Auto Show



No plug, no plug

Jeff attended the 2023 Chicago auto show in February and here are a few of the cars he (and Steve Bergman) saw



Ford F100 Custom Conversion



Ford F150 Lightning



Hyundai Ioniq5



Subaru Solterra / Toyota bZ4x

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 2022-04-13 04:58:09

Website Registered User Statistics

No report this month due to a technical issue on our website i need to look into. i suspect it was caused by the the recent PHP update by our hosting company.

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 **66 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 2022-04-13 04:58:09

Count of Members by Type

No report this month due to a technical issue on our website i need to look into. i suspect it was caused by the the recent PHP update by our hosting company.

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 EEvents. Volunteer to attend EEvents 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 EEvents 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 13, 2022 2:13pm



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!

- **President Jeffrey Miller started the meeting at 7:05 p.m.**
- He hosted the Opening and Introductions
- Lindsay Inman, first time attendee, represented The Langham Hotel in Chicago. They have a pink 1982 London Taxi in good shape (except for the motor which is having trouble) that serves as a house car to take guests on short trips. The hotel would like to convert it to an electric vehicle!
- Dave Martinson, also a first time attendee has a 1940 classic car he wants to convert from ICE to electric as well.
 - Jeff will be contacting them to follow up
- Per Steve Bergman, Bruce Lanzeroti indicated there is something called an ITEA car, a very low cost for a new car purchase? (*buyer beware! This is for information purposes only and not an endorsement*) <https://www.iteacar.com/twinwillows>
- Larry Haynes, who drive a Tesla model 3 big battery said in the Chicago Grant park south garage has EV charging stations (EVSE)
- Per Steve
 - **LOOPHOLE IN EV LICENSES**
 - Steve described new loophole(s) at the IL SOS whereby an EV owner may be able to place a non-EV license plate on their EV at lower cost. He went through several scenarios
 - A key point is that this is NOT documented on the Secretary of State web site due to what they call an error or typo. Uh huh
 - What happens if an electric car has an ICE license plate, does it require an emissions test?
 - **Unique Mobility Electrek and Prius for sale**
 - As noted last month, Steve is still looking to sell two cars including a 2009 Toyota Prius and his 1979 Electrek built by Unique Mobility a company in Colorado.
 - Please email Steve, ib1777@yahoo.com
 - (see video per Kyle)
 - https://www.youtube.com/watch?v=FyZd4_2unFM&ab_channel=AgingWheels
 - This would have to be a purchase by an individual, not the club

CEJA INSPIRED EVSE TRAINING PRESENTATION - SIMON GIBSON

- Jeff, Tracey, Bruce and Simon Gibson recently suggested ideas for the CEJA workshops being held in Illinois and Simon, Tracey and Jeff presented at the recent ICC Beneficial Workshop.
- Tonight Simon showed his overview of the EVSE Training recommendation
- This training would educate electricians and vendors on how to install a charging station.
- He is collecting information to start the training and sought input from the group
- WELL DONE SIMON!!
- Bruce posted this URL of a useful guide he helped create with some home EVSE planning information that may be useful
- <https://studylib.net/doc/18495422/texas-river-cities-plug-in-electric-vehicle-initiative?msckid=b16166d3a72311eca521e9855225b2d4>
- Break 8:15- 8:30 p.m.
- **“2023” CHICAGO AUTO SHOW - No Plug, No Plug** - Jeff Miller
- Jeff presented on the electric vehicles on display at the Chicago Auto Show in Feb 2022
- Lots of info on new pickup trucks and electric vehicles, of note
 - Ford F100 custom conversion
 - Ford F150 Lightning

- Ford E-Transit
 - Subaru Solterra / Toyota bZ4x
 - Chevy Silverado electric
 - Hyundai Ioniq5 and Kia EV6
- Great job Jeff thanks !

- The meeting adjourned at around 9:30

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: rolywaller@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).