



March 2016 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

Next Meeting March 18, 2016

Friday March 18, 2016 7:00 p.m. to 9:30 p.m.

Community Christian Church

1635 Emerson Lane
Naperville, IL 60544

[Google Map](#)

Agenda

- 6:30 p.m. Doors Open
- 7:00 Call to Order, Welcome and Introductions
- 7:20 Old Business / New Business
- 7:40 Rich Carroll - Electric Vehicle Jeopardy!
- Break
- 8:30 John Hipchen of Telefonix Inc presents on their EVSE products and technology
- 9:15 Close

President's Words

Bruce Jones

Hi EVeryone,

I always enjoy getting mail from Chris Sharp and he recently provided some great information about how to get to and from the FVEAA meetings via the BNSF train and public transportation.

The Route 673 Pace Bus has a route on weekdays from the Route 59 train station to the Community Christian Church 1635 Emerson Lane in Naperville where we hold our meetings, and this could be quite convenient for folks downtown not wanting to drive.

FROM CHICAGO TO NAPERVILLE

BNSF train #1267 leaves Chicago Union Station at 5:22 p.m. arriving at Rt 59 at 6:03 p.m.

(Note this train does not stop in Berwyn)

The Route #673 Park-n-Ride Bus then leaves the Rt 59 station 6:05 p.m. and arrives at CCC at 6:22 p.m. just before we start to open the doors for the meeting.

OR

BNSF train #1277 leaves Chicago Union Station at 5:45 p.m. arriving at Rt 59 at 6:25 p.m.

Then the Park-n-Ride Route #673 bus leaves the Rt 59 station at 6:27p.m and arrives at CCC at 6:45 p.m

FROM NAPERVILLE TO CHICAGO

The last Park-n-Ride Bus to leave CCC is at 7:59 p.m. to Rt. 59 to catch the 8:28 train to Chicago
No buses leave CCC after our meeting, so one would have to get a lift from a member or catch a ride to Rt. 59 station and catch the #1298 train at 10:28 p.m. or #1324 train at 11:28 p.m.

[BNSF Train Schedule as of 2016-02](#)

[BNSF Fares](#)

[Route 673 PACE Bus between CCC and Rt. 59 Train Station](#)

Great Info Chris!

APRIL 23 EARTH DAY EVENT IN BATAVIA - CALLING ALL FVEEA ELECTRIC CARS AND TRUCKS

Mike Willuweit and Rich Hirschberg are coordinating our participation in an Earth Day event, something we've been wanting to do for a long time. Please let them know you can participate and bring your EV.

WHEN: Sat. April 23, (setup 10:00) show 11:00 a.m. -3:00 p.m.

WHERE: Peck Farm Park, 4038 Kaneville Road, Geneva, IL 60134

INFO [Peck Farm Park](#)

DIRECTIONS: Google [Map and Directions](#)

SPONSOR: Natural resources committee of Geneva & Geneva park district

COST: No cost for FVEEA

And thanks so much to Mike Willuweit who provided a great presentation on his Mitsubishi "i" last month. We hope to see y'all this Friday!

Thanks
Bruce

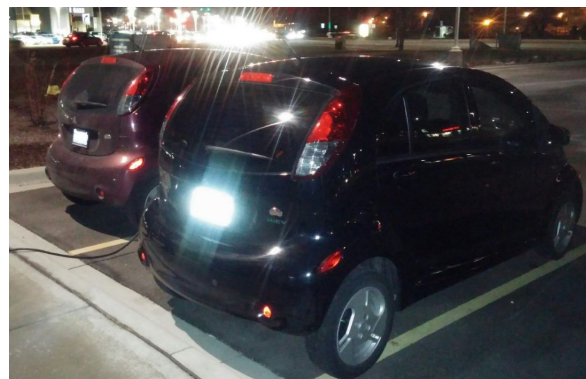
This Month's Presentations

- Rich Carroll will be preparing and hosting a version of Electric Vehicle "Jeopardy" for us that we have not seen in several years. It will test your knowledge of Electric Vehicles and trivia so come ready to be challenged.
- John Hipchen of Telefonix Inc. is all set for our next meeting to present on their charging stations. Thanks to Rich Hirschberg for setting this up with John who will bring a mock up of the Telefonix EVSE

Bruce Jones and Mike Willuweit



Mike Willuweit goes in-depth on Mitsubishi i-Miev



Duel Mitsubishi's. One from Mike and the other from Jeff Green with the Illinois Renewable Energy Assoc.



Paige Billy and Mitch with their Chevy Volt!



Paige, Billy and Mitch - Cool night at the charging station. . Next month Paige will present on their new solar panels and impact on electric bills.

FVEAA Facebook Page - Like Us!

Grant Gerke

<https://www.facebook.com/FoxValleyElectricAutoAssociation>

FVEAA Facebook Group - Join Us!

Ted Lowe

In October 2015, i created a Facebook group for the FVEAA and invited all the past and current FVEAA members i know that are on Facebook. There are 47 members so far. 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 will help to replace 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/>

Rich's Ramblings

Rich Carroll

As most are aware, significant research in new battery chemistries is being done under George Crabtree's J-CESR group at Argonne. While I believe they are the most significant player in new developments, I do keep an ear open to other research. This comes from the University of Illinois, and is a sodium battery with the possibility of also aiding in water desalination. The research was recently published in the *Journal of The Electrochemical Society*.

Here are some links: <https://news.illinois.edu/blog/view/6367/319955> to an article on the research, and <https://youtu.be/3QWoEOAI0zM> a video showing the concept.

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Now there's a sound idea

Public (Federal) Law 111-373 (a.k.a. The Pedestrian Safety Act of 2010) provides for Electric Vehicles and Hybrids to make 'alert sounds' when they are operated below the speed where tire noise, wind and other factors create enough noise to warn pedestrians about the vehicle approaching. That 'alert sound' was not defined in the law, but it was left to the National Highway Transportation Agency to create regulations. The law specifically states that it applies to new electric or hybrid vehicles. NHTSA was supposed to have regulations published in 2015, but those rules have been delayed until at least March, 2016.

Be aware that there are no mandatory pitch, no length, no changes in pitch, no volume specified in the law, but these should be covered by the specific regulations. I look for this to be fodder for the late night talk show hosts in their comedy monologues. The sound for EV's at low speed has yet to be announced, but it will likely be an electronic tone based noise.

Be aware that the National Federation for the Blind has pushed hard for these regulations. Their concern is that visually handicapped pedestrians would not know that a car was approaching, and the pedestrian, lacking warning, might be harmed. Suffice it to say, the responsibility for avoiding a car-pedestrian accident rests with the car driver.

Curiously, there is no pending regulations for three wheel vehicles, or for two wheeled vehicles including bicycles. Many states have a requirement that bicycles have a warning system, a horn or a bell, but that law is not enforced. I could not find an Illinois law, but Secretary of State Jesse White has a pamphlet for bicyclists, called Bicycle Rules of the Road, which tells cyclists to make sure they have, among other requirements, a horn or bell that can be heard up to 100 feet.

http://www.cyberdriveillinois.com/publications/pdf_publications/dsd_a143.pdf) So, with this soon to be introduced regulation for EV's, we will have cars honking horns, EV's making some (likely) tone, trucks with air horns, silent three wheelers, motorcycles with a buzzer or horn, and bicycles with bells or horns. Somehow this cacophony of sounds is supposed to be a warning to visually handicapped folks. Sounds like more noise pollution to me.

Most legislators will tell you that their primary function is to create reasonable laws. Unfortunately, I think, for many that their primary function is to get reelected, and to that end, look like they are creating reasonable laws.

Membership Update

Ted Lowe

NOTE: Our website is still down and i will soon put more effort towards restoring it. Please stay tuned for an update.

We currently have **101** members. 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 anytime, thanks! Howard Hansen had a **great idea**... giving an FVEAA membership as a gift!

Meeting Minutes - February 19

Michael Willuweit

Introductions & New Business

New law dealing with EV spots ICE'd. ICE cars now face \$75 ticket and towing at their expense. The law can be read here:

<http://www.ilga.gov/legislation/fulltext.asp?DocName=09900HB0198&GA=99&SessionId=88&DocTypeId=HB&LegID=83826&DocNum=198&GAID=13&Session=0>

New definition of autocycle -- must have steering wheel, seating required. No need for motorcycle license for autocycles, same size as motorcycles.

[Illinois autocycle law](#)

[additional information](#)

(625 ILCS 5/1-104.2)

Sec. 1-104.2. **Autocycle.** A 3-wheel motor vehicle that has a steering wheel and seating that does not require the operator to straddle or sit astride it.

(Source: P.A. 98-777, eff. 1-1-15.)

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(625 ILCS 5/1-147) (from Ch. 95 1/2, par. 1-147)

Sec. 1-147. **Motorcycle.** Every motor vehicle having a seat or saddle for the use of the rider and designed to travel on not more than 3 wheels in contact with the ground, but excluding an **autocycle** or tractor.

(Source: P.A. 98-777, eff. 1-1-15.)

Committee Reports

Rich H. (outreach committee) talked about some future events.

Green Fair in Elgin (around Earth Day) Michael Willuweit can bring 1 maybe more EVs

Aurora GreenFest (Solar Powered EVSE will be there)

IREA (Jeff Green)

Website still has issues, Please utilize the facebook page in the interim

Bruce's presentation on the World of EVs

George Vergara

Movement to create a new committee to raise money for EV projects.

Jim Schmidt requested 5 minutes to talk about electric boats and offer some 2016 calendars. Jim wanted to clarify his earlier comments about the codes of boat building to recognize that his boat association has only devoted a few pages to electric propulsion of boats, a very small effort.

He also mentioned some seminars about battery R & D.

8:05 break

8:30 Michael Willuweit presentation on his experience of owning and driving a 2012 Mitsubishi I-MiEV this winter.

He encouraged people that for around \$7k, it's a great car to jump into the EV experience.

The presentation can be viewed here:

<https://docs.google.com/presentation/d/1e-rtsAeXG6Aqkr-WrgM-NIPNUj0AeVAkbaxKgbmjSkq/edit?usp=sharing>

Membership Form

Ted Lowe

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



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It is great having near zero, or sometimes even negative, rates to fill up my car for nearly free or even better!

—Daniel H., Hourly Pricing participant since 2015

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