



March 2018 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 16, 2018

Starts 7:00 p.m. Ends 9:00 p.m.

Community Christian Church

1635 Emerson Lane

Naperville, IL 60540

[Google Map](#)

Agenda

- 7:00 Call To Order, Welcome
- 7:10 Samantha Bingham (Clean Transportation Program Director for the Chicago Department of Transportation) presenting on: Regional and Statewide EV Programs
- 7:45 Break
- 8:00 Introductions and Discussion
- 8:20 Rich Hirschberg: Electric and Hybrid Vehicles at the 2018 Auto Show

President's Words

Michael Willuweit

I would like to thank our friends at Max Madsen Mitsubishi for hosting a mini-meeting at their Aurora dealership last month. After driving the long-awaited Outlander plug-in hybrid I was impressed with its power and features. I can see why the British and Japanese markets have responded so favorably to the vehicle over the last few years.

The March meeting is shaping up to be an exciting discussion on the shape of things to come in the world of EVs. Samantha Bingham, Clean Transportation Program Director and Coordinator for the Chicago Area Clean Cities Coalition will speak with us about EV outreach and how the Volkswagen Settlement can support EV owners in IL. Then we have our own Vice President Rich Hirschberg presenting on this year's Auto Show and his experience working their advocating for hybrid and EV usage.

In other news, Tesla's model 3 is hitting the streets of Chicagoland in greater numbers with even some of our members getting some time behind the wheel. Can't wait to hear their first hand accounts of Tesla's EV for the "working man."

Lastly, please see the newsletter for details on a memorial service for long time member Jim Schmidt this Sunday. I hope all that want to attend can and I hope to see you at our meeting this Friday.



Pre-meeting event at Max Madsen Mitsubishi. Jeff Miller (right) presented the 2018 Outlander PHEV



J-1772 charging port on the left and a CHAdeMO on the right of the Outlander PHEV



Chuck Carrington takes a test drive of the Outlander



Jeff Presents the 2018 Mitsubishi Outlander PHEV



Simon Gibson discusses Electric Vehicle Supply Equipment (EVSE) - check out Simotronics.com



Ted's Dodge Dakota getting a charge at CCC



Fred's Smart for Two
whooh whooh whooh



Jeff Green's Mitsubishi iMiev



Matt Remec, Ray DeBoth, George Zogaib and
Bil Becker lovin the presentations



Bruce's Silver Leaf



Outlander PHEV in front of the
Yellow Box getting a thorough
checking out by members

Jim Schmidt Memorial Open House

Sunday, March 18 from 2-5 PM
Beer, Wine & Snacks Served!

At Jim's Boat Shop – 4127 Orleans, In McHenry, IL

Many friends – Please Come and Celebrate Jim's Life &
Work!

From Kathleen King & Bil Becker (847.274.2155)



On a quiet night last week, I turned on Netflix looking for an interesting movie, and found Cars 3. In some way, the Cars series of movies about Lightning McQueen and the crew from Radiator Springs is a movie for kids, but in many other ways, it is a wonderful, humor filled story for adults. The movie is produced by Pixar and released by Walt Disney, which belies its adult messages and jokes. It has continued to use the most subtle racing references, all as jokes for the 'in' group, since the first Cars movie. The original Cars used Paul Newman to voice an aging racing legend. Doc Hudson. By the way, Paul Newman was one of the greatest racing drivers of his time, winning several championships, and driving for several factory racing teams. He started racing as "P. L. Newman" to avoid movie buffs from seeking pictures and autographs. The latest Cars movie again gives tribute to one of the most interesting racing legends, a guy who outlandishly bent the rules, time and time again, with the craziest unbelievable racing pieces. I'll let you see the movie yourself, and find the references to a very unusual character and his "Best Damn Garage in Town." And no, the story about the 7/8 scale Chevelle he raced isn't very true, but the car wasn't stock either. See: <https://goo.gl/4V28yV>

But cheating is a vicious word, so many teams simply believe they are interpreting the rules and realizing that their interpretation is way beyond the spirit of the rules. An interesting bending of the rules took place in Formula E, the Electric powered Formula racing series from Europe this weekend. And it was not directly with the electric Formula cars, but their communications. As many techies know, two of the most common WiFi Bands are 2.4 GHz and 5 GHz. 2.4 is older, more common, and penetrates walls better. But 5 GHz is faster. Most of the new routers and gateways used in homes have both enabled by default, and they can claim the best performance by selecting the data from either the 2.4 GHz band or the 5 GHz band as their advertising sees fit. Any serious enthusiast knows that off the shelf WiFi routers have a standard set of software, but many enthusiasts know that you can re-flash a new set of software for your router, giving much better performance in most cases. In fact, one of the reasons the WRT-54G from Linksys was the best selling wireless router was that it was dead simple to replace the Linksys software with DD-WRT firmware. <https://goo.gl/Y5pZt1>

This weekend five teams were caught using modified WiFi, using not the 5 GHz band, but bending the WiFi rules to use the band from 5 to 6 GHz. Not normally very noticeable, until you realize that race communications was on a 5.9 GHz band and suffered interference. So four of the five teams were given a €5,000 fine, with €3,500 suspended until the end of the 2017/18 season on the condition they do not violate the regulations again. Affected teams were Dragon Racing, Renault e.dams, Jaguar and Venturi. The Andretti team was also noted to be in violation, but they produced a letter from the FIA stewards from 2016 saying they had an approval to use that band.

So the big scandal of the week in Formula E was the illegal widening of the communications bandwidth for transmitting race car data. See: <https://goo.gl/ieyAVP>

The more things change, the more things are really the same.

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 69 members as of 8/15/17. 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/>

Membership Update Ted Lowe

We currently have **67 active paid-up** members, down one from last month! Please renew and recruit new folks!



FVEAA Membership Report
as of 2018-03-13 04:58:05

Count of Members by Type

Membership Type	Count	Paid Up
BusinessStd	1	1
Family	6	6
Individual	58	56
LifetimeInd	3	3
Totals	68	66

Other Statistics

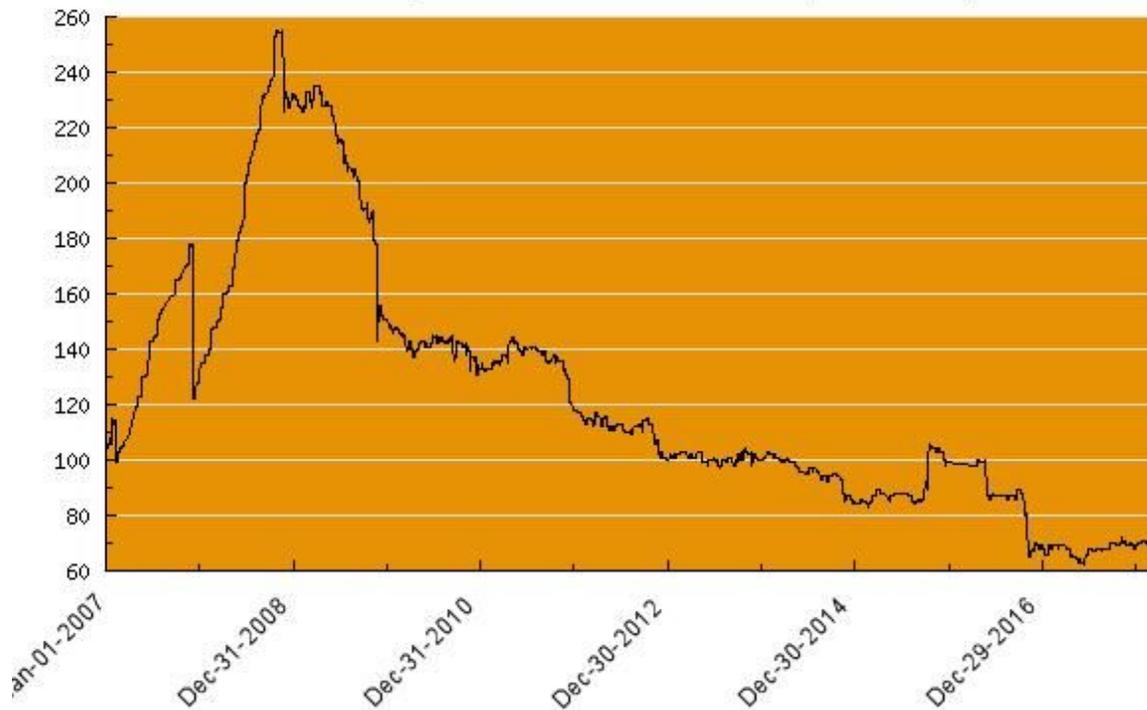
Statistic	Value
% Paid Up	97.1%
Avg. Paid Up Days	194.6 days
% With Email	95.6%

Encouraging Our Membership To Grow in 2018 and Some History Ted Lowe

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!

Here is a time-varying graph of our membership size from 2007 to now. Note that we peaked at about 255 members in the Summer of 2008 when gas was nearing \$5 per gallon. We were also attending lots more invitational EEvents with our EVs. **Let's get out there and grow the FVEAA in 2018!!!**

FVEAA Paid Up Members as of March 13, 2018 1:44pm



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):

<http://www.fveaa.org/renew>

THANK YOU for your continued support of the FVEAA!

Meeting Minutes - February 16, 2018

Bruce Jones

Mitsubishi Pre-Meeting Meet n Greet

At 5:30 Jeff Miller organized a special pre-meeting get together to view and test drive the Plug-in Outlander at Max Madsen Mitsubishi at 3990 Ogden Ave. Aurora IL 60504

Sales Consultant Jim Miller is reachable at jim@maxmadsen.com 630-898-6000 (no relationship to Jeff Miller our Treasurer and Mitsubishi aficionado.)

Main Meeting at 7pm at CCC

At 7:05 p.m. Mike Willuweit opened the meeting at Community Christian Church and due to the schedule for Mitsubishi representative **Jim** Miller, we delayed introductions until after the break.

Our own **Jeff** Miller gave a presentation on the Mitsubishi Outlander PHEV, a mid-to large SUV, which he likened to a big Chevy Volt with all-wheel drive

Break 7:25 to 8:00 p.m. t tour of the SUV by Jim

Jim Miller was our host at Max Madsen and he came to the meeting to provide a hands on demo of the 2018

Mitsubishi Outlander PHEV.

Prices for the PHEV SUV run a reasonable mid thirty thousands to low forties before a \$5800 tax credit.

Attendee Introductions

After the break we had introductions

EVSEs

Simon Gibson presented on Electric Vehicle Supply Equipment (EVSE)

He described the basics of EVSE and their purpose.

Simon also inserted a good joke - What's the difference between an Introverted engineer and an extroverted engineer? – the extrovert looks at the other person's shoes!

Simon is intent on being more involved with the EV charging infrastructure

See his blog at **Simotronics.com**

Notes

Bil Becker says companies should look at taking the 100% capital depreciation this 2018 in the republican tax plan - might be able to use that with renewable energy equipment but check with your lawyers, tax accountants etc.

Meeting ended at 9:40 p.m.

This week a Naperville Sun article came out on Wednesday including FVEAA members Bruce Jones, Ted Lowe with recommendations for Naperville to start preparing for electric vehicles. Here is a link to the article [FVEAA in the Naperville Sun Wed. Feb 14, 2018](#)

NAPERVILLE SUN

WEDNESDAY, FEBRUARY 14, 2018

Bruce Jones, of Naperville, uses his electric hybrid Mini to promote conversations about renewable energy.

Leading the charge

Former president of local auto association urges Naperville to prepare for influx of electric cars

Jones worked out with an electric vehicle charging station at Community Center at an event in Naperville where the Fox Valley Electric Auto Association meets.

BY SHERANN BAKER
 Naperville
 Cities like Naperville need to improve their electrical infrastructure to accommodate the new wave of electric cars, plug-in hybrids and electric vehicles, according to a former president of the local auto association. Bruce Jones said it's only a matter of time before most electric vehicles are on the roads.
 "The city is not ready, the former president of the Fox Valley Electric Auto Association said.
 "It's time to start working on this now," Jones said.
 Last year, Jones and other members will use some form of electric propulsion.

Charging stations available

Electric, From Page 1

A Tesla plug into the first charging station located on the first floor of the south parking deck at Edward Hospital.

the same permit in 2007, eight in 2016 and 16 in 2018. The city requires the permit to ensure homeowners contact a reputable electrical contractor or electrician to assess their home's wiring and contact Naperville Electric Utility to determine if the city's electric system can handle the added draw. One place where Jones said Naperville can start moving forward is with building codes.

Jones suggests at minimum the city should require that infrastructure be installed for future charging stations on all new construction. Most electric vehicles need to charge at a home—whether it be a house, apartment or condo—at work, where a vehicle sits for eight hours or more a day, he said.

"The least you can do is lay the conduit where future charging stations would go," he said. "It's a lot cheaper to set up electrical wiring when apartments, houses and businesses are being built than to set up the ground later," he said.

A perfect example is the charging station at Community Christian Church's Yellow Box in Naperville, where the Fox Valley Electric Auto Association meets monthly. As the former president of the auto group and a member of the church's congregation, Jones said he was looking for a way for the association to install a charging station so that members could charge their cars.

But the \$8,000 estimated cost to trench an electric line to the parking was out of Jones' price range. Construction of an addition to Yellow Box in 2017 helped Jones see his vision

to fruition. Since conduit for light poles already was being installed, Jones worked with church and the construction company to provide the electricity for a charging station that's now located in the east parking lot near the intersection of Ogden Avenue and Rickert Drive. Mike Tjarda, facilities director at the Yellow Box, said the free station is available to anyone, and 15 cars are regular.

"It gets used quite a bit," Tjarda said. "A couple of individuals (Jones included) plug in during service." A variety of public and private charging stations are available throughout Naperville. Some are free, others charge a fee.

The city of Naperville operates Level 2 charging stations (featuring 200-240 volts for a faster charge) in the Van Buren surface parking lot, 44 W. Van Buren Ave., and in the first level of the Van Buren Parking Deck, 43 W. Van Buren Ave. The fee is \$1.50 per hour (charged to a credit card), and vehicles are permitted to park at the charging station up to three hours.

Other places to plug in include an investment company auto dealership, Edward Hospital and North Central College. Staff members who drive a Tesla, a Chevy Volt, or a Nissan Leaf often take advantage of the charging station at Edward Hospital in Naperville, according to Bruce Enders, the hospital's supervisor of facilities and engineering. "Anyone can charge for three to six hours," Enders said. "We do have a lot of electric cars here."

The problem, according to a message board, is some drivers leave their vehicles charging for a full day. Enders said it's likely the medical professionals forget to move their vehicles once the car is charged. Parents of students and visitors can contact the college for access, said Anna Halverson, a sophomore environmental studies major from West Dundee. Sarah Galtner, a senior physics and environmental studies major from Manteno, said 68 charging stations were recorded during January, though the monthly average is between 40 and 60 sessions. Galtner said the goal is reduced carbon emissions. Young people concerned about the impact of fossil fuel emissions on the environment will play a large role in the demand for electric cars, Fox Valley Electric Auto Association President Ted Lowe. Solar panels on his home allow him to draw half of the energy needed to charge the Dodge Dakota pickup he had converted to electric, Lowe said. "We can literally drive on sunshine," he said. The price point for electric vehicles, the distance a driver can go on a battery charge and the cost of gasoline are main reasons why more consumers aren't taking the leap yet, though automakers already are making strides, he said. Perhaps the best known company for electric cars is Tesla, whose Model S starts at \$85,000 and can travel 230 to 300 miles before needing to be recharged. Chevrolet says its 2018 Bolt EV, which also starts around \$35,000, has a range of 238 miles on a single charge. "When gas goes up to \$6 a gallon, you'll see a lot more people looking at electric," Lowe said. Jones added the business community needs to recognize the importance of charging stations as asset and a way to attract quality job candidates. "It's coming," Jones said. "If you had a choice to work at company A that has a charging station or company B that doesn't, which would you choose?" "This is the new wave."

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



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