

Fox Valley Electric Auto Association
PO Box 214
Wheaton, IL 60187-0214

Return Service Requested

Monthly Meeting: **Friday, December 18th, 2009 - 7:00PM** (doors open at 6:30PM)

Meeting Location: **Packer Engineering, 1976 N Washington St, Naperville, IL 60563**

Directions: Packer Engineering is the on East side of Washington St, just North of the I-88 Tollway (North of Diehl, South of Warrenville Rd). Turn off of Washington onto Bighorn at the Packer Engineering sign, then take the first right into Packer Engineering and then an immediate left. Park in the lot between the buildings. 1976 is the new building up the hill. Enter the building in the middle of the North side.



December 2009 FVEAA Newsletter

The FVEAA is a Not-For-Profit Illinois Corporation and the Chicago Area Chapter of The Electric Auto Association

Meeting Agenda

Business:

Call to Order and Introductions
Old Business
 Committee Reports -
Updates and Excitements
New Business

Program:

Maps of Existing Charging Stations and StrawList of proposed stations in Chicago - Ted Lowe
Scooter Auctions - Rich Carroll
Todd Martin - Battery Types available for EV's
Todd Martin, "Vanna" Hannah Hamstra, and a supporting cast to do "Battery Jeopardy"

Intermission - Raffle tickets, refreshments, EV viewing and networking

Thanks to all who helped, cheered, and enjoyed the Controller presentation and Jeopardy Game last month. Special thanks go to "Vanna" Hannah Hamstra, and our 'game' game contestants, Craig Dusing, Todd Dore, and Ken Simmermon. Each put lots of their personality into the game, and made the entire thing fun.

In fact, I received lots of praise for the game, but the thanks really goes to the contestants and Hannah, who took what could have been a boring exercise, and turned it into a fun program.

Todd Martin has been looking at batteries for some time, pondering over many different choices. Some of his batteries in his Solectria Force are becoming unusable, and Todd has been comparing alternatives. He has offered to **tell us about the choices in batteries**, so we all can learn from his research, and also rerun the Jeopardy Game with batteries as the subject. Hannah has agreed to come back even though her schedule this month is busier than the pancake waitress at the North Pole Grill on December 25.

The CEVC (Chicago Electric Vehicle Consortium) is meeting again, this time on the Monday before the FVEAA meeting, so we should have lots to tell you about. Ted will talk about the **map of proposed charging station locations** floating in this committee, and Rich will contribute some thought about **the incentives Chicago plans to offer EV's** among other things.

Dave Habiger found a way to use the **\$7,500 tax credit** offered for purchase of a new plug in vehicle, and we should be able to hear more about that before the meeting.

We have spent some time on the gracious donation of Mike Mastrangelo. He donated **three adult electric scooters and one kids scooter**. I have decided that the kid's scooter would be an ideal offering just before the holidays. I suspect more than one someone would love to find this under their holiday tree. There are three adult scooters, all need batteries. I decided to separate these into two groups, the first is a group of two, and will be also be auctioned in December. Of these, there is certainly an almost complete scooter, missing only batteries and a charger, and another that is essentially missing some pieces, and could serve as a parts scooter, or a basis for a complete build. The yellow, adult scooter is fairly complete, and we'll hold it for an auction in January. See separate article on the Scooter Auction.

Meeting Minutes*Bruce Jones*

Rich Carroll started the meeting at 7:00 p.m.

ADJUSTING MEETING TIMES

Packer Engineering needs us to exit the building by 9:45 or the alarm will sound. So we'll aim to end our meetings at 9:30 p.m.

SCOOTERS DONATED FOR FVEAA AUCTION

Mike Mastrangelo of Zero Motorcycles is donating 4 electric scooters to the FVEAA. We'll be auctioning them off starting next month.

SIGNIFICANT RENEWABLE ENERGY GRANT AWARDS

Recently four significant grants related to Smart Grid and electric car charging infrastructures were awarded in the Chicago area.

- 1) Chicago vehicle consortium awarded a \$15M grant for electric charging stations within the Chicago area. Ted Lowe, Rich Carroll and Dave Harbinger are on the consortium committee.
- 2) Matching funds expanded the Chicago grant (above) which is now worth around \$49M
- 3) An electric infrastructure grant from US to state of Illinois
- 4) \$15M Smart Grid Investment Grant for Naperville for smart meters and smart grid technology.

WIND POWERED RESTAURANT

Todd Dore gave a presentation on Big Windy, a large 108 Kw wind turbine recently installed in Schiller Park providing power to a restaurant called "Great Expectations." Electrifying

A GREENER FOOD BANK - NEEDS FVEAA MEMBER HELP

Bruce Jones presented "A Greener Food Bank" about how three local groups are coming together help local families, disabled veterans and those in need. NetGain Technologies is donating a hybrid electric step van test vehicle to the food bank run by New Community Ministries. Work needs to be done to make the van ready for food bank use to supply fresh fruit and vegetables. FVEAA members will help by making donations to this worthwhile hybrid truck effort. Mail check to:

New Community Counseling and Ministries

2208 Mecan Drive
Naperville, IL 60564

- Or On-line Donations can be made at: <https://www.networkforgood.org/donation/MakeDonation.aspx?ORGID2=061751180>

WHAT IS ELECTRIC VEHICLE CONTROLLER JEOPARDY?

Alex Trebek would be proud of the entertaining game that Rich Carroll prepared packed with facts and trivia on current and future electric vehicle controllers. Hannah Hamstra, Director Of Sales and Marketing for NetGain, helped keep things under control, by tracking the scores as Rich read the answers to the questions. The three contestants who battled it out were Todd Dore, Craig Dusing and Ken Simmermon, with the winner being Ken Simmermon. They were all good sports, and winners from our point of view.

OUTREACH

Rich Hirshberger is the outreach coordinator who, besides finding events for us to promote electric vehicles, partners with businesses or schools to educate them on electric vehicles and some of the challenges facing the electric car industry over the years. See Rich for outreach possibilities.

OLD BUSINESS - none

NEW BUSINESS - none

CHICAGOLAND CHARGING STATIONS

Todd Martin provided a brief summary of electric car chargers, answering questions and noting there are a half dozen or so AVCON chargers in the in area, a few Coulomb chargers from Carboday in Chicago, with potential for others coming from companies like NetGain.

See the list being posted on the FVEAA web site for up-to-date car charger locations. An electric car today may need multiple adapter cables to provide it with the ability to charge from many kinds of power charging stations. The variety of chargers and connectors is likely to challenge us for a quite a while until there is further growth, standardization and consolidation in the industry.

Meeting adjourned at 9:30 p.m.

Scooter Auctions

Rich Carroll

Thanks to the generous donation of Mike Mastrangelo, we have some electric scooters to auction off. After some discussion, here is the process:

In December, at the FVEAA meeting we will auction two adult scooters as a package, and one kids scooter as an individual auction. All the scooters are missing batteries (available for \$30 each online) and chargers, but these are not expensive chargers, and are also available online if you do not have a charger.

First Auction

The kids scooter is an IZip I-200 electric scooter. It uses two 7AH or 8 AH 12V+ batteries in its 24V system. These were relabelled by Schwinn and also sold by Wal-Mart. The motor has 200W of power in its DC Earth Magnet Motor. It is rated for a top speed of 12 MPH (19 kph) and a range of 5 miles (8 km). It is designed to carry up to 85 lbs. Here are the specs as listed by Wal-Mart:

http://www.walmart.com/catalog/product.do?product_id=5684228 The batteries in this scooter can be used for short demonstrations, but have extremely limited capacity.

This I-200 scooter uses two sealed PbAc batteries, rated for 7 AH. You can find the batteries on the internet for \$30 delivered, here is a pair for \$50 plus delivery.

<http://www.electricscooterparts.com/izip2006i200parts.htm> You can also find a pair for \$34 plus delivery at

<http://www.batterymart.com/p-12v-7ah-sealed-lead-acid-battery-2pk.html> You will also need a battery charger, if you do not have a 24V charger, the first above link will point you to a new one for \$32. Obviously, you can find used units on eBay or Craigslist or your favorite local ad listing service.



Second Auction

The second auction is for two electric scooters, model XYDH-070. We have one copy of the owner's manual, so you will get a digital copy we scanned along with the auction scooters. One of the scooters is missing some parts, consider it either a great parts source, or most of the pieces you need to create your own vehicle. Both scooters have dead batteries and no chargers. These scooters were rated for a 21 mile (34 km) range and speeds up to 12.5 mph (20 kph). These are rated for a load capacity of 200 lbs (90 Kg). The motors are 500W, and also use 24 V, but were originally equipped with 2 batteries of 12 volts 12AH each. A simple internet search shows many batteries when searching for (12V 12AH battery), and almost all are in the \$25-\$30 range. Chargers are similar to the ones needed for the kids scooter.

Please note, that Mike gave us three adult electric scooters. We're auctioning two in December, and one will be held until the January meeting. The December auction is for a complete scooter and a mostly complete scooter.



Auction Rules

We'll start bidding at some modest amount and solicit bids from any person present. If you

win the bid, and are not a member, you will have to become one for us to accept your auction winning. If you are already a FVEAA member, this is one of your membership benefits. The scooters can be folded for travel, and we'll help you with this if that's convenient. The scooters may be picked up at the December meeting at the auction, or at Pioneer Conversions during the next week. We did not plan to offer a delivery service since they can be folded to put into your vehicle. Like the online auctions say, "Don't bid unless you plan to pay." We reserve the right to make up rules on the spur of the moment to make sure some realistic person takes these scooters away, and the club treasury becomes a little better. Online bidding, proxy bidding, and other forms of substitute bidding is discouraged.

Again, thanks to Mike Mastrangelo. These were a primary business interest of Mike and Susie in the past, until the Zero Motorcycles came along. Their business is now shifted to this exciting electric motorcycle, and you should certainly look at <http://zeromotorcyclesmidwest.com/>

Membership Form

Nathan Stowe

FVEAA Membership Application Form

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

The FVEAA offers these types of memberships (please circle your choice):

Individual	\$ 15
Family	\$ 20
Business	\$ 100
Premier Business	\$ 250
Charter Business	\$ 500

Newsletter Delivery Types (please circle your choice):

No Newsletter	\$0
Electronic Only	\$0
Postal Mailed Only	\$15
Postal Mailed and Electronic	\$15

TOTAL DUE: _____

Please make your check payable to "FVEAA" and postal mail it with this membership application form to:

FVEAA

PO Box 214

Wheaton, IL 60187-0214

Attn: Membership

Charter Business Member ComEd



The future empowers us.

We live on earth together, sharing its resources.

From educating and encouraging our customers to conserve, to using cleaner electric vehicle technology in our own operations, ComEd is meeting the environmental needs of our communities, today and tomorrow.

ComEd is proud to sponsor FVEAA.

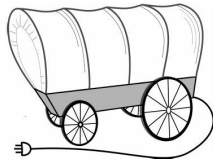


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