

**Fox Valley Electric Auto Association
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March 2010 FVEAA Newsletter

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

Next Meeting

Friday, March 19th, 2010 - 7:00PM (doors open at 6:30PM) at Packer Engineering, 1976 N Washington St, Naperville, IL 60563

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.

Agenda

- **Call To Order**
- **Old Business**
- **Committee Reports**
- **New Business**
- **Intermission:** Refreshments, Networking and EV Viewing. Multiple electric vehicles will be present to show their approaches to coping with the winter weather.
- **Program:** Allan Poole will discuss the Naperville Smart Grid initiative. He will also present a program that he made in December at the American Public Power Association – Energy Efficiency and Smart Grid Summit in Scottsdale, Arizona.

Several interesting things have come up at the Chicago Electric Vehicle Consortium meeting in late February. The initial step towards charging stations is to focus on 44 stations throughout Chicago, with the focus on quick implementation. Current thinking will be to use Level 2 charging as the initial standard, so all 44 charging station should be J-1772 compliant, 30 or 40 amps, 220V. Requests for information have been sent to known vendors of charging stations. Requests for actual proposals will follow. It is hoped to have actual presentations of working charging stations by late April or early May. I had suggested that the meeting for the presentation of these charging stations be moved to a City of Chicago garage, or a ComEd facility. The committee was most interested in making sure that the boxes shown were real, and not just mock-ups.

The locations are yet to be determined. Several local businesses and colleges have expressed interest in having a charging station, and the committee is charged with a city wide distribution.

The particular J-1772 configuration has not been chosen yet. The committee plans to wait until vendors do their presentations to see what configurations are shown. No action has been taken on Level 3 charging stations, as no standard has been published.

Several considerations have been voiced over ways to incentivize the program. Some of these make it less expensive to own and operate an electric car in Chicago. Some of these will make owning an electric car more desirable, such as guaranteed parking places. Some of these will make it easy to obtain permitting for charging stations. Some of these will offer financial incentives to EV owners. No final list has been published for the various proposed incentives, although there should be specific programs proposed very soon.

In other areas of interest, the Earth Day programs seem to be popping up everywhere. I have about a half a dozen invites on my desk, but most of them seem to be programs done with good intentions, but of little substance. Some municipalities seem to feel that putting together an exhibit of several vendors who can promote their cause with a 'green' slant is a great start for a good program. it isn't.

A good 'green' program is:

- a program that educates the public
- promotes local involvement in environmental saving
- helps connect people wanting to help with projects that need peoplepower
- one that can be accomplished by people with very limited financial investment

A program that costs the public money to see, and has local groups promoting their own cause or their business doesn't necessarily promote 'green issues.'

FVEAA meeting notes February 2, 2010

Rich Carroll opened the meeting at 7:00 p.m. with some Housekeeping and Publicity items after everyone present introduced themselves.

Open Discussion

Many subjects were brought up including the Chicago Electric Vehicle Consortium, the topic of whether a charging plug might being pulled from an electric car and plugged into

someone else's car, the Nissan leaf and Chevy volt availability in Chicago, power levels and plug types, adapters, and the drive off/breakaway ability of the fuel cable.

Committee Reports

Financial Assistance - George Vergara

George created and brought with him a plan for getting grants & funds, and suggested we get a subscription to the donor's forum for researching grants.

Finance - Ted Lowe

Ted gave a fine presentation on the financial status of the club to be included in the 501(c)3 application to be submitted next month. It was suggested that we do not put any more money into Avcon charging stations since it's older and not the wave of the future. The EAA matched funds last year, around \$2100 for installing charging stations, and we would now like to be consistent with charger decisions made by the Chicago EV Consortium if possible. Immediate goal is to consider ways to use the funds and possibly buy equipment to facilitate charging

our own vehicles when we attend shows, or allow borrowing stations from the club as needed.

We are still in talks with Chicago State University about putting in a charging station

Legislative Affairs - Howard Hansen

Illinois Secretary of State in some cases requires electric vehicle owners to send a picture of their car's electric engine to verify it is electric.

New Business

Illinois Green Fleets

Howard Hansen discussed the rebate from Illinois green fleet as part of the Illinois Alternate Fuels Rebate Program. The Illinois EPA will be issuing rebates for approved applications for the 2009 program year based on the amount of funding available in the Alternate Fuels Fund.

The Illinois Alternate Fuels Rebate Program is available to any resident, business, local government or organization in Illinois. It offers rebates to anyone using E85 or biodiesel fuels (20% blend or higher), and for acquiring vehicles that run on alternate fuels. All E85 and Biodiesel Fuel Rebate applications for 2009 were to be submitted by January 31, 2010 for consideration. Rebates could take up to five months to be issued. For more information see <http://www.illinoisgreenfleets.org/>

2010 American Solar Challenge

On April 16, at the FVEAA meeting we will feature representatives from Northwestern University presenting, and showing off their electric solar racing car at the FVEAA meeting. At the time it was unknown how much a "donation" would cost to reimburse the team for travel, so a motion was passed and seconded allowing up to \$150. The race starts in Tulsa, Oklahoma on June 20, and ends at the finish line in Naperville on June 26th. For more details see <http://americansolarchallenge.org/events/asc2010/>

Earth Day Events

Dave Aarvold is in charge of checking on upcoming earth day activities where the FVEAA can get involved.

Bruce Jones will check with the Naperville for Clean Energy and Conservation group which is setting up Earth Day activities for North Central College in Naperville on Sat April 24th.

Quicken

Ted Lowe recommended we purchase Quicken for accounting purposes. The motion was seconded and approved for Ted to purchase

IIT Zinc Air Battery Presentation

David Fairbanks from the Illinois Institute of Technology gave an excellent presentation on their recent research, and how they were retrofitting a couple of Chevrolet S-10 pickups donated by Argonne Laboratories with Zinc air batteries. (a recent article on Zinc-air batteries in the recent Popular Science magazine noted Zinc-air has the potential to be up to 10 times more potent as Lithium-ion batteries) His presentation about the CZAR CAR using refuelable electric Zinc air batteries is now posted on the FVEAA web site.

Raffle

Howard Hansen was raffle meister for the 6 in 1 all in one keychain screwdriver, Plug-in Vehicle Solutions Tshirts and Quick car shine wipes

Tesla

Three Tesla electric sports car enthusiasts Sam Carnavacciolo, Carl Walters and Steve Schnur drove their cars to the meeting and displayed them for the members. Next month they have offered to give rides if the weather cooperates, so we will probably be raffling off rides at the break next meeting on March 19!

Naperville Green Efforts - Robert Fieseler

Robert Fieseler, Naperville City Councilman gave a presentation on renewable efforts in the city of Naperville. He started by discussing Hydrogen as a fuel and demonstrated a fuel cell hydrogen powered car model. Naperville's municipal electric system is owned and run by Naperville, and they are implementing a Hydrogen system at the Jefferson St. fueling station. The station was purchased for \$1 from BP when they were exiting the Hydrogen business. The site will be recommissioned by Air Products with advice from partner Argonne laboratories. He mentioned the Naperville Smart Grid grant (Federal \$ 11M plus matching \$11M) which will be the topic at the FVEAA meeting in March.

Based on another grant, The Green Fuels Depot will convert leaves and grass picked up from Naperville residents, and converted to SynFuel at the 95th street waste water treatment facility. So instead of dumping the biomass in a landfill creating methane gas, it will be used to power city trucks. Several groups are involved with this, including Peter Schubert of Packer Engineering (the building we meet at!), Argonne labs, and the College of DuPage who will deploy gassifiers for the beta site. They are also involved with the Department of Energy which has a fleet of 10-15 plug-in hybrid vehicles being tested under extreme weather and the Chicago area is a good place for that

Bob stressed that job creation is an important priority. Naperville is currently purchasing energy through a Goldman Sachs contract up in 2012 then they'll use the new prairie state coal fired plant down state for a 20 year contract. Naperville is a 40% participant in the coal plant contract. This subject sparked a lot of conversation by the audience. Bob also believes Hydrogen is going to be the next energy source in 20 years.

Rich Carroll ended the meeting at 9:25 p.m.

Financial Assistance Committee Report

George Vergara

There are a few obstacles than need to be overcome, but the committee is concentrating on its long term goal to bring Financial Assistance to the FVEAA. A long term plan was

submitted to the committee members. Anyone who wants a copy of this plan please see me at the meeting.

We are trying to contact the Chicago Public Schools to see if they would be interested in a program to promote electrical automobiles which would compliment their existing solar program. So far, the person in authority has not been available.

Up coming EVents

Rich Hirschberg

As we cruise into the spring and summer months, there are many EV-ents to put on your calendar. These are opportunities to tell the world about our success in building, driving, legislating, and living with a full electric, highway-capable, crash-worthy, gas station-avoiding, EV grin-wearing, vehicle.

These EV-ents are spread out all over, so take your pick and let me (Rich Hirschberg-Outreach Director) know what you can commit to. Even if you don't have an EV, come out, show off your super cool FVEAA red shirt, and support the effort. As I see it, we are the ones to teach the Chicago metro area all about the EV movement.

Overview

1. **Earth Day Celebration**, Wednesday, April 21st, 6 to 8 pm.
2. **7th Annual "Under the Dome" Car Show**, Saturday, May 1st, (times?)
3. **Elgin's Green Expo** – Saturday, May 8th, 9 am to 4 pm
4. **Homer Glen Earth Day/Arbor Day Celebration**, Saturday, May 22nd, 11 am to 4 pm.
5. **The Navy Pier Green Fest**, Saturday & Sunday, May 22 & 23rd, (times?)
6. **The Midwest Renewable Energy Fair**, Friday to Sunday, June 18-20, (times?)
7. **Green Village Series 2010 Green Car Show**, Monday, July 12th, (time?)
8. **Will County Auto Rebuilders**, Sunday, Aug. 29th, 8:30 am to 3 pm
9. **The Midwest AFV Expo**, Saturday, Sept. 11th, 9 am to 3 pm
10. **Showing "Who Killed the Electric Car?"** – run of schedule

Earth Day Celebration, Wednesday, April 21st, 6 to 8 pm.

Location: Olive Mary Stitt Grade School, 303 East Olive Street, Arlington Heights

Last year: Impressive turn-out - Earth Day fair and huge book sale; 300 visitors, activities & science demonstration, lots of vendors and local officials on hand.

Side note by Pete: Although I worked on a solar oven project with my daughter last year, it worked so well during the competition (conducted throughout the day) that it caught on fire! There is still a black char-mark on the school brick. I'd like to think that means we won...

If you are interested in bringing your EV, Pete and Rich Hirschberg can coordinate with the administration to facilitate 110V and possible 220v if available.

7th Annual "Under the Dome" Car Show, Saturday, May 1st, (times?)

Location: Bridgeview Park District – Sports Dome, 8900 S. 77th Avenue.

Entrance fee: ???

The Southside's only indoor car show; a show in a "bubble" - an inflatable dome; normally used for sporting events, golf range practice, soccer games, etc., but on May 1, it turns into a car show. Spend the day relaxing and talking cars with lots of visitors. Don't worry about rain, it doesn't affect the show.

Note: Rich Carroll has done this show several times and likes the facility and the people.

Elgin's Green Expo – Saturday, May 8th, 9 am to 4 pm

Location: The Centre (a.k.a. Family Rec Centre) 100 Symphony Way, Elgin

Last year: 150+ exhibitors, 1000s of visitors

Theme: all things green & energy efficient, but with special emphasis on older home retrofits, sustainable gardens, landscaping, new technologies & innovative products for your home, business or community. Free admission, free gifts, and family fun.

Homer Glen Earth Day/Arbor Day Celebration, Saturday, May 22nd, 11 am to 4 pm.

Location: the Konow Farm, 16849 Cedar Road, Homer Glen, IL

Entrance Fee: ???

Note: Pioneer Conversions plans to bring one or more vehicles.

The Navy Pier Green Fest, Saturday & Sunday, May 22 & 23rd, (times?)

EcoLogical Products Company, Inc. will be displaying some of their new NEVs from Zap - the shuttle van and XL truck are primarily for campus and community use with a top speed of 25 mph. Li-Ion battery packs are now available for added range and hill climbing action.

Glenn Hunter of EcoLogical Products Company, Inc is scheduled to be there.

The Midwest Renewable Energy Fair, Friday to Sunday, June 18-20, (times?)

Location: ???

Entrance Fee: ???

Green Village Series 2010 Green Car Show, Monday, July 12th, (time?)

Location: Plainfield Public Library, 15025 Illinois Street, Plainfield, IL 60544

We as a group are committed to this event – the organizer specifically invited us.

(more details to come)

Will County Auto Rebuilders, Sunday, Aug. 29th, 8:30 am to 3 pm

Location: Moose Picnic Grounds, 159th Street, Lockport, IL.

Entrance Fee: free to the public, \$20 to show your vehicle (EV).

Last year: Over 150 antiques and american muscle along with one EV. The crowd was really impressed with the EV. Let's get a few of our faster EV's here to show folks that EV's do not need to be slow.

The Midwest AFV Expo, Saturday, Sept. 11th, 9 am to 3 pm

Location: Downtown Elgin, Civic Center Parking Lot

Last year: over 135 vehicles, many vendors, lots of visitors, 50/50 raffle, door prizes, goody bags.

Showing "Who Killed the Electric Car?"

Locations: T.B.D – we usually show the movie and do a Q & A session both before and after the show.

We've been at various libraries thus far, but we can go to churches, community centers, colleges, Boy Scout rally... any where we can get a decent size crowd. (let Rich Hirschberg know if you have ideas, locations, contacts, etc.)

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 ? _____

Member Types and Annual Dues (Please circle one)		Newsletter Delivery Types (Please circle one)	
Individual	\$15	No Newsletter	\$0
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Business	\$100	Postal Mailed	\$15
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Total Due from Both Columns:			

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

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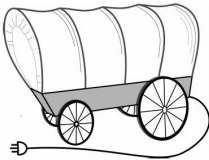
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