

Directions: From the Boughton & Weber Rd intersection, go south 0.5mi (past all the malls) and turn right (west) on Clow Intl. Pkwy. Park in the lot next to Charlie's Restaurant. The meeting is in the Packer Wings hangar (second hangar north from the parking lot). Enter the hangar from the side door on the south side.

Meeting: Friday, May 18th
Doors open at 7:00PM
Meeting starts at 7:30PM
Clow International Airport
130 S Clow Intl. Pkwy, Bolingbrook, IL 60440

Fox Valley Electric Auto Association
PO Box 214
Wheaton, IL 60189-0214

May 2007	FVEAA NEWSLETTER Fox Valley Electric Auto Association A Not-For-Profit IL Corporation & Chapter of the Electric Auto Association (eaaev.org)	
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Meeting Agenda

Ted Lowe

Call to Order and Introductions

Approval of Minutes – Rich Carroll

Treasurer's Report - Dale Corel

Old Business

- Upcoming EVents
 - WKtEC Showing and EV Show – May 19th – 2pm - Lockport
 - WKtEC Showing and EV Show – June 28th – 6:30pm – Elgin
- New Location Update – Ted Lowe
- Charging Infrastructure Update – Todd Martin
- Club Project Update – Tim Moore
- Midwest AFV Expo Update – Rich Hirschberg

New Business

- Honorary members category?

→ Business members recommendations

Intermission - Networking, Refreshments and Raffle

Programs

The Making of the WGN Story - "Little Juice Coupe"

John Jeide, John Emde and Ted Lowe will share their stories, pictures and video about the making of the excellent story that WGN recently produced and aired.

PHEV Performance in the Real World

Todd Dore will share more information on how well his Prius PHEV is performing.

DC Motors - A Brief Overview

John Emde will present an overview of DC motors, how they work and the different types. Other motor experts from the audience will add to the discussion as well.

Important Location Update

Ted Lowe

Now that the warm weather is here, flying season is in high gear at Clow Airport. **Park in the Charlie's restaurant parking lot instead of near the hangar!**

President's Words

Ted Lowe

Busy Times - Good Times - Right Times

Is it fate that the day the WGN story airs, that gasoline prices hit their all time high? Or is it just plain "luck"? Either way, we've been getting calls from around the country, emails and new members as the story plays out. We will do our best to handle the extra busyness that comes out of such media attention while remaining true to our mission, to help our members drive electric and to promote electric transportation to the public.

I remind you all that we doing the right thing at the right time for the right reasons! Keep busy, keep focused and have good times along the way!

Come to the meeting on Friday for more on the "making of" the WGN story!



Meeting Minutes

Rich Carroll

Meeting April 20, 2007 - Clow

Call to order: 7:34 Attendance Sheet was passed around.

Ted Lowe Introduced himself. We started with intros of people present. Each told where they were from and their EV interest. Forty three people were present during the introductions.

After a motion, the minutes were approved as printed.

No treasurer's Report was presented. Dale Corel was not present.

Ed Meyer touched on safety rules for the institution. We need to let the hanger insurance folks know in advance.

There was a motion to forgive Ed for his quick response to an email. While some felt no motion was needed, the motion quickly passed.

Ed re-explained the safety needs, and once the main overhead door is closed, there is only one service door o exit.

Dale came in and gave the treasurer's report, and reported: Savings \$5326, Checking \$1578. This was accepted on a motion.

Tomorrow is the beginning of the Chicago Green Festival. Sherry Boschert's is speaking in Madison and Whitewater today, and we'll be there tomorrow.

May 19 is John Emde's showing to WKTEC at his clubhouse in Lockport 2 PM is the movie, followed by an EV car show.

Ted passed out "not dead yet" signs.

Midwest Alternative Fuel Expo brochures were handed out to new people.

Rich Hirschberg, explained there will be a WKTEC public showing at the library in Elgin on June 28, a Thursday night.

Our association is working on infrastructure charging project. We have installed Avcon chargers at one of the Aurora public train parking areas, and the city electricians are working on the installation of this charging station. Phil Silagi was here from the city of Aurora. This will be the first of the stations we have in our program. It will be at the Transportation Center in Aurora, near the casino.

Our second electric vehicle AVCON charger will be installed at Clow Airport. It will be in within a week.

At Ogilvie Transportation Center, there are new spaces available; and the manager of parking at Millenium park is interested in pursuing a charging station.

We are working on a possible new meeting location, hoping to find something more centrally located. Lewis University has offered us their large meeting room, a 300 person theater on Route 53 in Romeoville.

Rich discussed Cruise nights.

We discussed some of the efforts to obtain plug in recharging locations. Norman discussed his trial to get 110 volt recharge locations for smaller cars like the Zap. He met with a variety of responses to his request, and shared a few with us. He described his trials at the Secretary of State to get his M class license with a three wheel restriction. (J-11 restriction.)

Rich Hirschberg discussed the Alternative Fuel Vehicle expo in August on the second weekend. August 1 and 12

Special prizes the Rich Carroll, Johjn Emde and Ted Sanders for their rapid finding pf the easter egg on the new web forums.

The raffle was organized. Ted noted that we had made the front of the Daily Herald with a combined solar/ EV article. We'll be on TV soon with the maiden voyage of an electric truck for WGN-TV.

Steve Grushas took an informal survey of the group. He discussed the possibility of a highway speed vehicle conversion. Steve's question was, "Who would be interested at \$15,000? (less the Illinois EVA rebate of 4000 makes it about 11,000)"

Raffle took place netting \$22.

Three speakers made presentations after the break.

Brad showed his electric assist package for his bicycle. It was a 36 volt system tied to a hand throttle. His cost was \$336 for the battery, controller, wheel, motor. The stated range of the bike is 15 miles, but this is unclear if this is combined pedal and electric power, or what pedal participation was used. It uses a DC motor, promises 300 cycles on the batteries, and cost about \$90 to replace batteries. The bike runs about 20 MPH in level areas. The package was designed for mountain bikes, and can use 26 inch, 24inch, or 20 inch tires. While brushless is more efficient, this system was more available. Wilderness Energy is one supplier of this kind of bike, while Falcon EV advertises 30 to 40 mph.

Ted discussed the upcoming Cool Globe program in Chicago. In the past the city has placed objects to be decorated around the city, each decorated by a group. Last time, it was cow statues. This time, the city will use globes, and has plans to put up 122 decorated 5 foot globes. Ted is into adding led's to the globes, and a solar panel to power the globe for several hours. This makes it a miniature,

small scale, off grid electric system. This uses a single 50 w panel (\$275)

Todd Dore showed data from his solar panel recharging where he was up to 64% of his electricity from solar sources on sunny days. When he recharges his Plug IN Prius, at Millennium park, it is also partial solar. He has a two kilowatt solar system with ten panels at home. He is expecting to have forty five to fifty percent of his power from the solar panels. His system cost \$650 for the building permit and about \$19,000 for the rest of the system, of which \$8000 was rebated from the State of Illinois. He also added a solar thermal system for another \$20,000 with a separate \$8,000 rebate.

Todd calculated payback period at thirty to fifty years. This does not take added value into account.

Greg Zamos discussed the status of his Dreamcar 123, with his patent status and future plans.

The meeting was adjourned at 10:56

Newsletter Editor

Rich Carroll

These are exciting times for electric vehicle owners. Several things have changed in the last few months, and interesting developments are just around the corner. A casual examination of the EV market just 12 months ago would have shown that all the major manufacturers that produced electric powered vehicles for the US had stopped production. Now, there are rumors of Toyota producing nothing but hybrids in 2021, of more new EV's from GM, and of commercial conversion of "commodity" cars. A year ago, if you wanted to buy a new EV, you couldn't. You might find a used EV, perhaps converted by a hobbyist, or occasionally one might find one of the major manufacturers past EV efforts.



All that has changed. You can go down to the car store and buy an EV today. Maybe not in each neighborhood, but certainly in our area. You can order high priced EV's that appear to be close to production on the West Coast. And soon, you'll be able to view a used car store with economy sized EV's in it, converted from major manufacturers cars.

So the EV market does not appeal to just hobbyists, but to the city dweller, who simply needs short range, economical transportation. It looks like very soon you will be able to go to the EV store, choose between a sedan, a coupe or perhaps a station wagon, and take one home.

Ah, yes, exciting times.

WktEC Film For Public Outreach – May 20th - Lockport

Ted Lowe

John Emde has arranged a showing of the Who Killed the Electric Car film for

his community. Come join us and be part of the outreach!

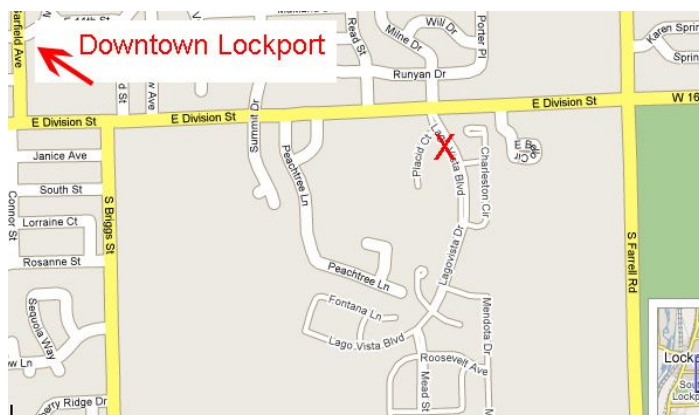
The film will start around 2pm and end about 3:30pm. Then we will go outside where our EVs will be shown and answer questions. Directions:

John's subdivision is Lago Vista which is SE of downtown Lockport. Enter from Division St between Briggs St and Farrell Rd. There are no gates or guards yet. Drive ½ block, you can't miss it, it's a big building on the right. Bring your own popcorn.

Map Link:

<http://maps.google.com/maps?f=q&hl=en&q=Lago+Vista+Bldg,+Lockport,+IL+60441&sll=37.0625,-95.677068&sspn=33.214763,66.796875&ie=UTF8&om=1&ll=41.579353,-88.031194&spn=0.007656,0.016308&z=16&iwloc=addr>

Map:



New Location Update

Ted Lowe

Long time member Ray Oviyach has been working with the people at Triton College to see if we can return there. Here's his latest update:

Ray Oviyach wrote on 5/10/2007:

Hi Ted,

I have been in touch with a gentleman (Jon) in Community Education at Triton. He is new there but is trying hard to help us out. He calls me about every 2 weeks and says they are still working on but still have not come to a decision. A board member that has been instrumental in getting us (FVEAA) into Triton has just lost the election but perhaps he may have put in a few good words to his replacement. I will give them another 2 weeks and then I will try to pressure them into making a decision once and for all and will get back to you. Right now I think there is still some hope of getting back in. Talk more later. Take care.
Ray

Midwest Alternative Fuel Vehicle Expo 2007 Update

Ted Lowe

All things are go for the 2007 Midwest AFV Expo! Mark your calendars for August 11-12, 2007. We want to have a dozen EVs there and dozens of FVEAAers in attendance! We've posted an announcement on the Expo's website at www.midwestafvexpo.com We're looking for your input on the website as we add content!

Club Project 2007 Update

Ted Lowe

New member Eric Schoonveld has purchased a very nice 1985 Porsche 944 for the donor vehicle. Project coordinator, Tim Moore, has been working with Eric on various design issues and this project will begin within the month. The project work sessions will be at Eric's garage in Chicago, likely on Saturday mornings throughout the summer. Stay tuned for more!

Solar Powered Cool Globe Project

Ted Lowe

I decided not to present more on this cool project at our FVEAA meeting due to limited time and it's only tangential connection to our mission. You can read and view more at:

<http://www.illinoissolar.org/gal/solar-cool-globe/>

EV Discussion List

A resource

Are you looking for technical help on an EV project? If so, tap into an incredible resource on the Internet, the EVDL! This is a mailing list of EV experts and enthusiasts from all the world that pose questions and share answers on EV technical issues. It is a very active list, so setup an email filter to sort your email to a separate mailbox. More info at:

www.madkatz.com/ev/evlist.html

Welcome New FVEAAers

Ted Lowe

Join me in extending a warm welcome to new FVEAAers:

*Lyle Tarter from Aurora
Eddie Roman from Chicago
Brad Bray from Orland Park
Ken Keuler from Thiensville
Erwin Gugolz from Northbrook
Mark Williams from St. Charles*

*Robert Heinlen from Chicago
Jerry Juderjahn from Parma Heights
Dan Michael from Crawfordsville
Eric Schoonveld from Chicago
Joe Prazen from Peru*

Welcome aboard, folks! We hope to see you at meetings and other EV events! Let us know if we can be of help in your EV pursuits!

Early this month, plans were announced in Mexico City, for the launch new company to convert approximately Tsurus into EV's. Tsurus is the name used in Mexico for the car sold in the use as the Nissan Sentras. The converted cars will be in the fleet of the city government, and the Tsuru is quite a popular car in Mexico City.

The prototype for the project is a 1993 Tsuru that was converted to electricity by Azure Dynamics. Azure Dynamics is the successor to the Solectria line, which featured Geo Metros and S-10's. Solectria was one of the most successful of the commercial conversion companies, as they did have significant financial input from electric companies. Ricardo Espironza from Azure Dynamics is partnering with Victor Juarez, a Mexican businessman, and involving city officials from Mexico City, which is an extremely large metropolis. Mexico City has almost 9 million residents, with the metro area inhabited by almost 20 million.

The tentative plans include three major companies, including the Azure Dynamics AC drive system to compete for a complete conversion package. Mexico City officials hope the conversion package to cost less than the equivalent of ten thousand dollars. Cars will be converted locally, and the fuel savings will pay part of the cost. Currently, some city employees siphon off small amounts of fuel from the government vehicles they use, and divert this for their own use. Electric propulsion would stop this loss of government funds.

General Motors has apparently stopped production of their hybrid trucks, the GMC Sierra and the Chevrolet Silverado. The GM trucks did not offer very significant fuel savings over their gasoline counterparts, normally only yielding about two MPG over similar, gas powered trucks. The General will apparently wait until the two-mode hybrid system, developed in partnership with Daimler/Chrysler and BMW, becomes available.

Zap! apparently has a new four wheel, flat bed truck ready for introduction.

Miles Automotive has announced their all electric XS500 Javlon sedan, which is intended to sell in the \$30,000 ballpark. They are aiming at a 2008 introduction, and claim and 80 mile an hour speed and a range of about 150 miles with Lithium batteries. They are also planning on a 75,000 to 100,000 mile warranty. Substantial portions of the vehicle are sourced from China. With all their announcements, they have yet to produce a working prototype, so we won't hold our breath for that one. They have produced low speed vehicles, which are limited to 25 MPH by law. See:

<http://video.yahoo.com/video/play?vid=469398&fr=#>