

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

***Meeting: Friday, September 21st***

**Doors open at 7:00PM**

**Meeting starts at 7:30PM**

**Packer Engineering**

**1976 N Washington St, Naperville, IL 60563**

Directions: Packer Engineering is the east 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.

<b>September 2007</b>	<b>FVEAA NEWSLETTER</b> <b>Fox Valley Electric Auto Association</b> 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** – Ted Lowe

**Approval of Minutes**

**Treasurer's Report** – Dale Corel (**New format:** round to nearest dollar)

**Old Business**

- Bylaws Changes Approved – What's Next – Ted Lowe
- Yearly Officer and Director Nominations and Elections

**New Business**

- Changing Meeting Start Time? - Doors Open 6:30, Meeting Starts 7
- Newsletters Open to Public?
- Forums Open to Public?

**INTERMISSION – Networking, Refreshments and Raffle Tickets!**

**Raffle Winners**

**Show/Tell/Ask** – Anyone can show/tell/ask something EV-related for 1-2 minutes.

## PROGRAMS

### **EV Presentation for Public Outreach – Todd Martin**

Todd will give a Powerpoint presentation that he has written that can be used when speaking about the FVEAA and EVs to the public.

### **Report on CACC EV Seminar – Ted Lowe**

Ted will show pictures and videos from the recent (better than expected) CACC EV Seminar.

### **Porsche Conversion Update – Ted Lowe**

Ted will show pictures and videos from this club car project and open the floor to questions, comments, ideas, observations, etc.

### **Seat Heater Installation Demo – Jim Dawson**

Jim will discuss the efficiency of these gems and then give a demo on how to install them in an EV.

### President's Words – Oil... 80 bucks plus/barrel

*Ted Lowe*



“Geesh... i'd hate to be driving a fossil fuel burning car nowadays... OK, you can hit me!” This is what i tell people when i talk about how well my EV works for my driving pattern. 99% of my driving is in my EV. Sometimes i supplement it's 50 mile range with an opportunity charge in the middle somewhere and occasionally i borrow a friend's car when i need more range. The EV is such a good fit for my lifestyle that i haven't bought

gasoline in over 3 years now! People are often amazed by this (some want to hit me, others want to learn how). It's not magic, just common sense. The same common sense that our FVEAA ancestors showed when they formed the FVEAA over 30 years ago. Driving an EV makes sense, or maybe “saves cents” (lots of them)! I want to share my EV grin, so let me know how i can help you to drive electric!

### August 2007 Meeting Minutes

*Rich Carroll*

**NOTE: The paper version mailed this month didn't contain the minutes.**

Minutes of FVEAA Meeting for August 17, 2007:

Call to order at 7:31 PM by President Ted Lowe at the Packer Engineering facility in Naperville. Appreciation was expressed to Packer for the ability to use their facilities for our meeting. John Emde moved to approve the minutes as printed, and is passed. Ted discussed the by-law changes, and asked that all five changes be approved/disapproved as a group. This was done with those present passing through, signing their name, and voting. Those not present will receive a ballot by mail. All members present voted. A two-thirds vote of all members will be needed to change the by-laws.

We brought the neon FVEAA sign, but noted that it was damaged in the move; Mike Aguilar has graciously volunteered to repair it.

There was a motion to increase dues, to a cost of \$25 for USPS mail, and \$15 for email. The motion failed for lack of a second.

Nominations for officers were opened, and it was noted that they will be open for one month. A member must be a paid member to nominate or to be nominated.

Charging station update. In addition to the existing station in the Aurora Train Parking lot, the station in the Elgin Library has been delayed to late this year, or in the Spring of 2008. Members were invited to submit more locations for potential charging stations.

Treasurer's Report from Dale Core: Checking balance is \$246, Savings \$5326 and National EAA dues account is \$469.

Todd Martin signed up as a member of the Green Party, and suggested we exchange mailing lists with them. It was moved and seconded to exchange lists, but under the discussion, it was noted that we must be very careful about exchanging any lists. The motion failed.

The motion was changed to allow our club to make their information available to our members, and they can make our information available to their members. Motion to table failed. The motion on reciprocal mailings failed.

Ron Hirschberg reported on the Outreach Committee. Rich's Dad, Dick Hirschberg was introduced, as was the flyer for the 2007 Downtown Elgin Car and AFV Show, on September 8.

Wayne McGuire and Gerry Jackson have been very active in presenting some of the parts of the Club conversions of the Porsche 944. Both have been active in sub-committees of the project, and were chosen FVEAA'er of the month.

New Business.

The Meeting of the Chicago Clean Cities Coalition is 9/7/06, a Thursday AM in Wooddale. Anyone interested should see Ted Lowe,

Plug-In Partners is promoting their national campaign to increase membership. This was given to Todd Dore for review.

George Gladic announced that his 1993 Escort EV is for sale, contact George if you are interested.

The raffle prizes this month included a renewable energy DVD and two solar/home power magazines.

Thanks to James, the raffle netted \$59, with the winners being:

Kevin Zak, a Home Power magazine with an EV article in it  
Ken Simmerman, a Solar Today magazine  
Mike Aguilar, a Best of Home Power CD.

In an inpromptu show and tell session, the Zen Vehicles NEV (neighborhood electric vehicle) was now being distributed from Davenport.

A Green Car Mall is being planned for downtown Chicago.

Electric lanterns using 12 LED's were made available to club members on a one time basis for \$12.

A short discussion of low rolling resistance tires was held, with a consensus of opinion that high pressure, good quality radials were almost as good in gas mileage, at a substantial price savings, when compared to some of the special low rolling resistance tires.

Rich Carroll discussed the new developments and general philosophy of Pioneer Conversions.

Wayne McGuire and Gerry Jackson discussed several parts of the club conversion of the Porsche to an EV. Battery boxes and mountings have been developed, an much work has already been done.

### Proposed Bylaws Changes Approved

*Ted Lowe*

I'm happy to report that over 2/3 of the total FVEAA membership has approved the changes I recently proposed to our bylaws! Here are the details of the vote:

Members Eligible To Vote	155
Members Voted (or granted proxy)	117 (75.5%)
Yes Votes	69 (44.5%)
Proxy Votes (used for Yes)	44 (28.4%)
No Votes	4 (2.6%)
Yes + Proxy Yes Votes	113 (72.9%)

Thank you all for voting on these important issues! An updated version of the FVEAA Bylaws is attached to this newsletter.

### Business Memberships Coming Soon

*Ted Lowe*

Now that the bylaw changes have been approved, we can begin working on an important initiative, namely, introducing business memberships. Business

memberships will allow FVEAA to increase our operating revenue and thus increase our viability and the ability to accomplish our mission. It will raise our level of professionalism as we develop and extend NFP-business partnerships. Finally, through promotion of our 'cleaner energy related' business sponsors, our mission-driven efforts will have wider reaches.

The BoD approved 3 business membership levels in our March BoD meeting, but we couldn't proceed because the dues were specified in our bylaws. With bylaws dues verbiage gone now, I will begin implementing the new membership system that includes the 3 levels of business membership as follows:

Business Membership Level	Yearly Dues	Benefits
Business	\$100	Business card sized ad in the FVEAA monthly newsletter and listing on the fveaa.org Sponsors page.
Business Premier	\$250	Fourth page ad in the FVEAA monthly newsletter and more prominent listing on the fveaa.org Sponsors page.
Business Charter	\$500	Half page ad in the FVEAA monthly newsletter and most prominent listing on the fveaa.org Sponsors page. The ability to promote their business at FVEAA Events.

Once the new membership system is in place, I'll be asking you to recruit businesses that would be interested in sponsoring the FVEAA. Stay tuned.

**Yearly Officer and Director Nominations Open**

*Ted Lowe*

Per our Bylaws, nominations for our yearly elected officers and directors have been officially open since the August meeting and will remain open until the elections at this month's meeting. Nominations so far are:

- Ted Lowe, President
- Todd Martin, VP
- Dale Corel, Treasurer
- Todd Dore, Director
- Rich Hirschberg, Director

Please submit your nominations to myself or any other officer or director anytime before the election begins at this month's meeting.

**Ken's Korner**

*Ken Simmermon*

## EV Tips for the Month

1. Yes, the electric car is low maintenance, but most still have differential and transmission oil levels to check, and in most applications there are synthetic oils available which help in the winter months. Careful when switching, if you didn't have a leak you may wish synthetic.
2. For peak driving or (rolling) efficiency check the following:
  - a) Remember EV's are extremely heavy and may throw off the front end alignment have it checked if tires are wearing unevenly or handling is abnormal
  - b) Check for dragging brakes.
  - c) Use high efficiency tires and at the highest rated pressure.
  - d) Don't forget to coast,coast,coast to a stop!
3. Keep a 2 prong adapter on board in the event you are charging at a ground fault location. If your EV trips the ground fault you could use the adapter BUT BE VERY CAREFUL, this may put a LETHAL stray voltage on the car's chassis, due to dirty batteries or how your EV is wired.
4. Now is a good time to be thinking battery heaters if needed.

Keep em safe and keep em rolling!

Event Report – CAAC EV Seminar

*Rich Hirschberg*

WOOD DALE - EV enthusiasts don't despair!

Even though the major car manufacturers haven't produced a decent mass-marketable electric vehicle (EV), there ARE companies out there making cute, useful, and quick little EVs. The Chicago Area Clean Cities' (CACC) EV seminar on Thursday, September 6th proved that point. It highlighted the many on-and-off road electric vehicles that are available in the tri-state area.

The vehicles featured were low-speed NEVs (Neighborhood Electric Vehicles), electric ATVs, utility vehicles, and converted passenger vehicles. Some had a closed-cockpit and some were open.

The seminar was presented by Clean City organizations from the tri-state area; our CACC, the South Shore Clean Cities (Northern Indiana) and Wisconsin Clean Cities-Southeast Area. This annual event, which showcases what is happening on the EV technological edge, had speakers from both the major manufacturers such as GM and small manufacturers such as Miles Electric Vehicles, E-Car Automobiles, e-Power Synergies, Rolling R Golf Cars, and GEM (Global Electric Motorcars). Our own Ted Lowe had an impromptu opportunity to speak and gave what ended up being a motivational talk about EVs, our (USA) culture and the need to "get off the couch" or be left behind as the world races to develop EV technology.

Taking place at Maple Meadows Golf Course in Wood Dale, Illinois, we met in a nice big parking lot; the perfect place to do a ride and drive to put these vehicles

through their paces.

The stand-up police 3-wheeled vehicle was fun to drive but I felt like I was going to tip over if I didn't constantly shift my balance (guess that's the idea). I think I test drove all the different vehicles and for the most part was impressed with the lot - some more than others. But unfortunately, the legislation is not in place in Illinois to allow the city-style vehicles to go over approx. 25 or 30 mph (although I did have one of them well over 30 mph). Still, these vehicles are definitely worth giving some consideration to especially if their limits fit your lifestyle.

I hope to have many of these EV manufacturers/distributors in attendance at upcoming showings of WKtEC and at some of our meetings.

## Car Show in Elgin Hits Reality

*Rich Hirschberg*

September 14, 2007, ELGIN - It was 9:05 am and still no cars.

But a few minutes later, there it was, the first car participant for the first downtown Elgin car show – an old hot rod. We looked at each other with much relief. Soon many cars came streaming in – just in time for the 10 am start. About 40-45 cars made it out to be in the show that day.

And as it turned out, our show was a complete success. I am referring to the **2007 Downtown Elgin Car and AFV Show**. This was the first show of its kind in the downtown Elgin area. Some of you may remember the Elgin Community College shows of 2005 and 2006. That organization decided not to do a show this year.

So when Jennifer Benson of the **Downtown Neighborhood Association of Elgin** ([www.downtownelgin.org](http://www.downtownelgin.org)) asked me about doing a car show, I about jumped out of my chair with a very enthusiastic YES!

With a few phone calls and many emails later, we were underway.

Sponsored by the Chicago Area Clean Cities coalition ([www.chicagocleancities.org](http://www.chicagocleancities.org)) and the American Lung Association ([www.lungUSA.org](http://www.lungUSA.org)), the car show featured many local car clubs – The Bare Bones Car Club, The Elgin Model T Club, and The Elgin Gearheads. Some regional clubs showed up as well - The Northern IL Street Rod Association, the Chicago Prius Group, the Orphan Car Club of Aurora, and the Fox Valley Electric Automobile Association.

In the AFV category, we had Todd Martin with his Geo Metro EV that features a Solectrica motor, Jerry Sorenson brought his Quadricycle (bit hit with the crowd), Gary Swick of Dundee-Crown High School brought his Bio Bus, Jessy Bradish and Peter were there representing the veggie/biodiesel crowd and the Chicago Prius Group had 3 Prii (that's plural for Prius) and answered questions.

In a post-event story about the car show, Todd Martin was the big interview for the Courier News, our local newspaper, and my favorite quote of his was "It's not a sports car, it's never going to win any drag races." Hummm... maybe we should have John Emde and company take a look at Todd's ride and as they say in Hollywood, "Pimp my Ride".

Did you know that, according to Todd, his electric car is one of only about 210 in the state.

Sponsoring the event locally was Keeney's Sporting Goods, PK Antiques, and Elgin Jewelers. Dignitaries in attendance were our State senator, our State representative, the Elgin mayor and several council members.

Stay tuned for next year's date - it will be around the same time next year as this year. It will be bigger, better, and include even more AFVs and related vendors.

## Club Car 2007 Project Update

*Ted Lowe*

Our conversion of Eric Schoonveld's Porsche 944 is proceeding well.

Both front and rear battery boxes are almost complete and the actual batteries have been test fitted in them. The battery boxes sub-team will skin the boxes soon.

Eric will be install coil-over shocks in the rear to support the added weight.

Wayne is working on mounting the AC compressor to the motor's front shaft.

Eric has heard from reliable sources that power steering will not be necessary, which simplifies the under-the-hood arrangement quite a bit.

Ted Lowe worked with other members to inventory all the parts that Eric bought from EV America and created a Bill of Materials spreadsheet that lists each part by subsystem, part #, purpose, price, where purchased, etc. We will continue to develop this BoM and share it with all FVEAAers in the future.

More details, pictures and videos will be presented during the program section of the September meeting.

The Porsche will be included in a Sun Times article soon, including some cool 'action-shots' like this one:





### **Future Work Sessions:**

We will be **meeting every Saturday morning until further notice, from 9a to 1pm.** Eric's garage is at 2511 W Maypole, Chicago, IL. The closest intersection is Lake and Western. Eric's cell is 312-618-7483. When Eric is out of town, Wayne McGuire has a key to the shop. Wayne's cell is 773-655-5092.

We hope to finish the Porsche by mid-November before the weather gets too cold and to give time for Eric to submit his paperwork for the \$4,000 IL EPA conversion rebate before years end.

FVEAAers In The Media

*Ted Lowe*

Appearing in the Elgin Courier News from the show arranged by Rich Hirschberg. Todd Martin got top billing.

[http://www.suburbanchicagonews.com/couriernews/news/548932,3\\_1\\_EL09\\_A3CARS\\_S1.article](http://www.suburbanchicagonews.com/couriernews/news/548932,3_1_EL09_A3CARS_S1.article)

Congrats Todd and Rich!

Welcome New FVEAAers

*Ted Lowe*

Join me in extending a warm welcome to these new FVEAAers:

Thomas Kranz from Lake Forest  
Jon Christophersen from Wheaton  
Samuel Merian from Lake in the Hills  
Bruce Lanzerotti from Wheaton

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

## Two Showings of WKtEC in September

*Rich Hirschberg*

We have two more public outreach opportunities coming up soon!

DES PLAINES: The Des Plaines Public Library will show the movie on Thursday, September 27, 2007 starting at 7 pm. We have been invited to display several electric cars in front of the library between 6:00 and 7:00 p.m. I am finding out more about potential opportunity charges at the library. We can maybe meet before hand for some dinner somewhere near the library. Following the movie, we will lead a Q & A session and I am sure the discussion will carry out to the EVs.

The library is located at 1501 Ellinwood St., Des Plaines, IL 60016 (847-827-5551).

OAK PARK: The following Sunday, September 30th at 1 pm, a group of local organizations (including the Oak Park Coalition for Truth & Justice, [www.opctj.org](http://www.opctj.org)) will be showing WKtEC in at the Oak Park Public Library.

The library (Main Library) is at 834 Lake Street, Oak Park, IL

We have been invited to bring up to 4 EVs and park them in a very central plaza between the main entrance and the park to the East. I will check for opportunity charges at this location as well. We will be doing a Q&A session after the film. We are to show up at 1pm and the movie will start at 2pm. EV drivers should pull into the Plaza from the street North of the library (Ontario St).

Contact Rich Hirschberg, [goafvs@yahoo.com](mailto:goafvs@yahoo.com) IF YOU CAN BRING YOUR EV TO DES PLAINES and/or OAK PARK or want more information.

## New EV Resource

*Ted Lowe*

### **Yahoogroup electric\_vehicles\_for\_sale**

[http://autos.groups.yahoo.com/group/electric\\_vehicles\\_for\\_sale/](http://autos.groups.yahoo.com/group/electric_vehicles_for_sale/)

So far I haven't seen any posts about EVs for sale, but some interesting discussions about recent EV-related developments.

**FVEAA Bylaws - September 18, 2007 version with Amendment 1****ARTICLE I: OFFICERS AND BOARD OF DIRECTORS**

A. OFFICERS. There shall be four officers of the Corporation; President, Vice President, Secretary, and Treasurer. Their duties shall be those normally performed by those officers and outlined in these By-Laws.

B. BOARD OF DIRECTORS. The four officers of the Corporation and three additional elected Directors shall comprise the Board of Directors. The President of the Corporation shall also be the chairman of the Board. The Board of Directors shall meet as necessary to transact any and all business that comes before it as set forth by these By-Laws and amendments thereto.

C. ELECTION PROCESS. Nominations for Officers and Directors commence at the August meeting with closing the day of the September meeting. The four officers and additional board member shall be duly elected by a majority vote of the members present at the annual meeting each September and shall serve a term of one year from the date of election or until their successors are elected.

D. VACANCIES. Vacancies in elective offices shall be filled by a majority vote of the Board of Directors for the interim between the time the action is taken and the next annual meeting, at which time the offices shall be filled as specified in Paragraph C, above.

E. REMOVAL FROM OFFICE. A proposal for removal from office of any officer of the Corporation shall be discussed at the meeting such proposal is made, but action can not take place until the next regular meeting. A two-thirds affirmative vote of the membership present shall be required to remove an officer from office.

**ARTICLE II: COMMITTEES**

A. STANDING COMMITTEES. This Corporation shall not have standing committees.

B. SPECIAL COMMITTEES. The President shall appoint special committees and their chairmen as needs arise.

C. COMMITTEE VACANCIES. Vacancies on shall be filled immediately by presidential appointment.

**ARTICLE III: MEETINGS**

A. ANNUAL MEETINGS. The annual meeting shall be held at the September regular meeting.

B. REGULAR MEETINGS. Regular meetings shall be held on the third Friday of each month unless changed by the Board of Directors.

C. NOTIFICATION. All current members shall be notified by mail of each Annual, Regular and Special Meeting by the Secretary, or the Secretary's agent, at least one week prior to the meeting.

**ARTICLE IV: MEETING PROCEDURE AND QUORUM**

A. PROCEDURE. Standard parliamentary procedure shall be the normal authority for action by the Corporation except in those cases covered specifically by these By-Laws.

B. QUORUM

1. ANNUAL MEETING, AND REGULAR MEETINGS. All matters requiring membership approval shall be decided by a majority of those members present and voting except for any matter for which a different requirement is specifically set forth in these articles.

2. BOARD MEETING. A quorum for a Board Meeting shall be any meeting where four or more Board Members are present.

**ARTICLE V: MEMBERSHIP**

A. DUES. The Corporation shall charge dues for membership. The Board of Directors may decide to change the dues structure (levels and amounts) as necessary to support the Corporation's mission and operations. Changes in dues will not take effect until a member's renewal date.

B. MEMBERSHIP-IN-GOOD-STANDING. A member shall be in good standing if his dues have been paid for the current year. Members in good standing shall have voting rights at the annual meeting and at all other meetings.

- C. **FORFEITURE OF MEMBERSHIP** A member may be dropped from membership if:
1. A written resignation is submitted.
  2. He fails to abide by the Articles of Incorporation, By-laws (including amendments thereto) or the policies of the Corporation. Such a case is to be judged by the Board of Directors and is subject to a majority vote of the membership at the next regular meeting if the member in question so requests.
  3. Annual dues are not current. The Board of Directors may defer dropping a member for non-payment of dues if it so elects.

#### **ARTICLES VI: CORPORATION PROPERTY AND FUNDS**

- A. **OFFICIAL BOOKS** The official books of the Corporation, including the official copy of the Articles of Incorporation and By-Laws as amended, minutes and other similar records, shall be maintained by the Secretary.
- B. **FUNDS** All funds in excess of \$50.00 shall be kept by the Treasurer in a bank account. Signatures authorizing the withdrawal of funds shall be those of the President or Vice President and the Treasurer.
- C. **OTHER PROPERTY** All other property shall be under the control and responsibility of the President or his agent. The President or his agent shall keep control and cost data on all Corporation owned equipment in a permanently bound book provided by the Corporation for that purpose. Such equipment shall be loaned to and used by Corporation members only, and only for stated periods of time. A member borrowing equipment shall sign for it in the record book. Members shall be required to return equipment to the President or his agent at the time specified, and shall not lend it to other members for non-members. It shall be the responsibility of the President or his agent to keep the equipment in good working condition, requisition any assistance needed from Corporation members. Where amounts greater than \$10.00 are required to repair equipment, authorization must be secured from the Board of Directors.

#### **ARTICLE VII: AMENDMENTS TO THE BY-LAWS**

Amendments to these By-Laws may be proposed and discussed at any regular meeting. Proposed amendments may not be voted upon until the next regular meeting. Prior to the next regular meeting, the Secretary shall notify the entire membership of the proposed amendment along with the notification of that meeting.

An adoption of an amendment shall require a 2/3 majority affirmative vote of the members voting at the regular meeting in the month following the regular meeting where the amendment was proposed

#### **ARTICLE VIII: DISSOLUTION**

In the event of dissolution of the Corporation, all donated property and funds shall be returned to the donators. All assets shall be sold and the resulting funds along with any other funds the Corporation has shall be used to pay any liabilities the Corporation may have accrued. Any residue shall be divided among the members-in-good-standing.

#### **AMENDMENTS TO BY-LAWS**

Amendment 1 – September 18, 2007

Having received an affirmative vote by a 2/3 majority of all FVEAA members, the changes as proposed and documented in the August 2007 FVEAA newsletter were adopted.

#### **RESOLUTION**

*RESOLVED BY THE FVEAA BOARD OF DIRECTORS THAT: The FVEAA become an independent, affiliated Chapter of the EAA. We agree that five FVEAA members will individually become EAA members; two of those will be members of the FVEAA Board, and that we will observe the other requirements of affiliation, except that we will retain our use of the FVEAA Logo. Adopted January 17, 2003*