



## December 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

**December 7, 2018 << NOTE New Date, Time & Location**

## POTLUCK HOLIDAY PARTY

**Starts 6:30 p.m. Ends 9:00 p.m.**

**One Arlington Heights Luxury Apartments**

**3400 W. Stonegate Blvd**

**Arlington Heights, IL 60005**

**At the corner of Euclid and Rohlwing Rd.**

[Directions](#)

### Agenda

- 6:30 pm - Doors open
- 7:00 p.m. Potluck Dinner (Everyone bring something to share)
- 2018 FVEAA Slideshow, eat and talk
- 9:00 pm - adjourn

### President's Words

Jeff Miller

I am always excited for the December party. I enjoy having conversations with all of my EV friends while eating whatever creations we come up with. I am torn on what to bring this year, since it is an all in pot luck instead of just the board bringing food I can scale back somewhat, but I enjoy sharing food.

#### **EV long term scheduled maintenance costs:**

I was recently looking into scheduled maintenance costs on existing EV's and I see that the Leaf has a required annual battery inspection which costs about \$60. They also suggest changing the brake fluid every year. Tesla isn't that good in this area, I pay \$400 to \$600 each year for it's annual maintenance visit. They do quite a bit of work every year, but you pay for it. Chevy Bolt is the clear winner in this, they don't have anything on their maintenance schedule except cabin air filters and tire rotations until 150,000 miles when they tell you to change ALL the fluids.

[https://my.chevrolet.com/content/dam/gmownercenter/gmna/dynamic/manuals/2017/Chevrolet/BOLT%](https://my.chevrolet.com/content/dam/gmownercenter/gmna/dynamic/manuals/2017/Chevrolet/BOLT%20EV/2017-Chevrolet-BOLT%20EV-Maintenance-Schedule.pdf)

[20EV/Maintenance%20Schedule.pdf](#)

I also spotted this gem in that maintenance schedule:

“Batteries • The battery supplies energy to the vehicle to start the engine.”

“Break downs or failure to start your vehicle can be avoided with having a great battery with full cranking power.”

I am with them that having a great battery is very important, but they lose me at “start the engine”!

### **Chevy Volt winter tweak:**

If you drive a 2013 or later Volt and are annoyed that the engine runs so often when it is above freezing outside you can adjust the outdoor temperature it turns on at. This isn't beneficial if you end up burning gas anyway at the end of your trip.

<https://gm-volt.com/forum/archive/index.php/t-137297.html>

“2C or -10C depending on personalization settings. You can configure this under the Climate and Air Quality vehicle settings.”

“2011 and 2012 Volt's are FIXED for the ICE to come on at 25 degrees F”

“2013 and newer can be set by the owner to either 35F and 15F degrees.”

If that isn't quite extreme enough for you maybe this mod is in our future:

<http://forums.redflagdeals.com/disabling-chevy-volt-erdt-1828799/>

I need to find something like that for my Outlander PHEV (or find some cash to upgrade mom mobile)

### **IL legislation on EV related taxes:**

<http://www.ilga.gov/legislation/BillStatus.asp?DocNum=662&GAID=14&DocTypeID=HB&SessionID=91&GA=100>

<http://www.ilga.gov/legislation/100/HB/10000HB0662ham002.htm>

<https://www.billtrack50.com/BillDetail/796910>

The bill sponsors are listed as:

[Tom Morrison \(R\)\\*](#) (district 54 Palatine area, appears to be Marty's Rep),

[Marcus Evans Jr. \(D\)](#) (district 33 Long district on the south side of Chicago),

[Randy Frese \(R\)](#), (district 94 western border of Illinois Monmoth and Carthage)

[Keith Wheeler ®](#) (district 50 Sugar Grove, Elburn, Yorkville area, appears to be Tracey's Rep)

Chris Welch (D) (district 7 Hillside, Westchester, Forest Park area)

They all won reelection this year.

**Everyone, please check to see if you live in these districts!** If you do, please contact the above people as you are their constituents. Please contact them repeatedly to help them understand the error in pushing penalties to EV's. Illinois has been a leader on EV's for a very long time, let's not go backwards now. They need to raise the gas tax to make up for all of those years when they didn't raise it to cover for inflation. Raising the gas tax is the forward looking way to help the state move forward along with the rest of the world!

[https://www.ilnews.org/news/state\\_politics/statehouse-plan-would-increase-infrastructure-by-billion/article\\_a8b3e374-2316-11e8-9b8a-2b6605b7eda9.html](https://www.ilnews.org/news/state_politics/statehouse-plan-would-increase-infrastructure-by-billion/article_a8b3e374-2316-11e8-9b8a-2b6605b7eda9.html)

<https://farmweeknow.com/story-trucking-official-expects-more-attention-motor-fuel-tax-0-181338>

Many states offer large discounts on EV purchases, Illinois doesn't presently. With our budget situation as it is, I don't see us making ground of state EV rebates. The small amount of money in the state budget that this increase represents would really make people upset over what could be a short term loss once all the systems and forms are updated to collect the new fees. Drive EV adoption by raising the gas tax and moving Illinois

forward.

### Other links I found interesting:

<https://arstechnica.com/science/2018/11/high-density-lithium-in-graphene-an-intriguing-battery-possibility/>

<https://www.engadget.com/2018/11/28/audi-etrone-gt-unveil/>

<https://electrek.co/2018/11/20/china-production-solid-state-batteries/>

Solid state batteries have the potential to be the battery that kills gasoline, and here we see low volume production beginning in China. These are small cells, but I would consider this to be the large leap Toyota and others are waiting for before jumping into EV's. No doubt current Lithium Ion has put gasoline on notice, but solid state lithium cells could allow EV's to become the majority of cars sold.

<https://electrek.co/2018/10/26/vw-ceo-electric-vehicle-tesla-half-price-2020/>

<https://www.engadget.com/2018/10/21/electric-car-carbon-fiber-battery/>

[https://www.greencarreports.com/news/1119633\\_sources-gm-manufacturing-revamp-could-signal-faster-lane-change-to-evs](https://www.greencarreports.com/news/1119633_sources-gm-manufacturing-revamp-could-signal-faster-lane-change-to-evs)

<https://www.engadget.com/2018/11/16/tesla-superchargers-europe-ccs-cable/>

<https://electrek.co/2018/11/26/rivian-r1t-all-electric-pickup-specs/>

<https://electrek.co/2018/11/29/rivian-r1t-electric-pickup-truck-order/>

<https://electrek.co/2018/11/20/fedex-fleet-electric-vans-change/>

<https://electrek.co/2018/11/20/oil-companies-republicans-kill-electric-vehicle-tax-credit/>

<https://www.foxnews.com/auto/l-a-auto-show-5-electric-cars-coming-soon>

<https://electrek.co/2018/11/28/chargepoint-raises-240-million-daimler-bmw-accelerate-ev-charging-infrastructure/>

<https://electrek.co/2018/12/02/tesla-model-x-police-vehicle/>

<https://electrek.co/2018/12/03/porsche-increase-production-taycan-electric-vehicle/>

“In Norway alone, the automaker says that they received close to 3,000 reservations with deposits. Normally, Porsche sells only about 600 vehicles per year in the market.”

I do not hold any interest in any car manufacturer or any of their subsidiaries

### EXTRA! EXTRA! TV News Segment Aired on NBC Chicago Nov. 15th

Ted Lowe

Here is the segment that aired discussing the proposed increases in the registration fees for EVs and hybrids:

<https://www.nbcchicago.com/investigations/Hybrid-Electric-Vehicle-Owners-Hit-With-Higher-Registration-Fees-500635981.html>

I think they did a good job describing the issue and was happy they selected a couple of my “soundbites” that made the points i wanted to make. We can literally drive on Sunshine! And efficiency should be rewarded, not punished! Editorial comment: Unelect dinosaurs asap!

See Jeff's great analysis above and let's discuss this issue as a group and come up with an official FVEAA statement and some strategies to resist efficiency-punitive laws.

### New FVEAA Website Under Development!

Ted Lowe

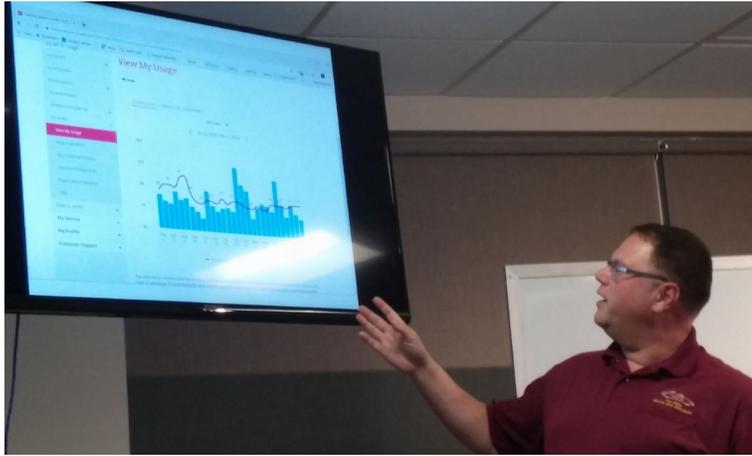
As i mentioned at our last meeting, i've been making very good progress on our new website! I'm approximately 80% completed now rewriting/porting apps from our old version of Joomla! (1.0) to 3.8. I will publish a more detailed status report in the forums soon. I plan to have the new website ready to use by the end of Feb. 2019.

Here is a sample screenshot from the new Membership DB, a key application. It is more usable with some

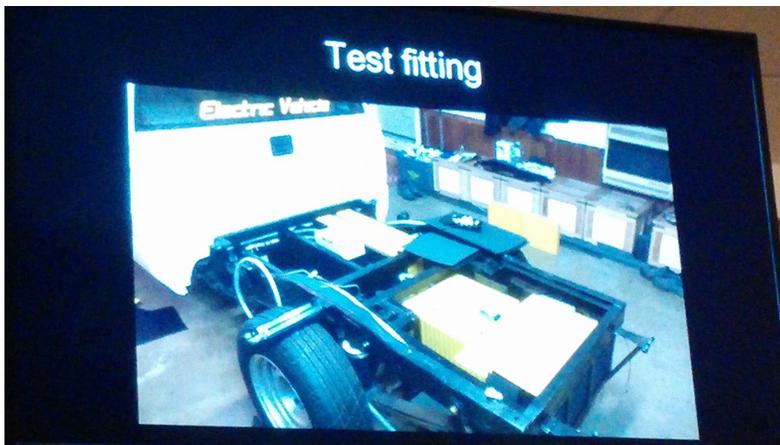
new features. I look forward to sharing more soon:

Membership DB v2.0.0 [Help](#)

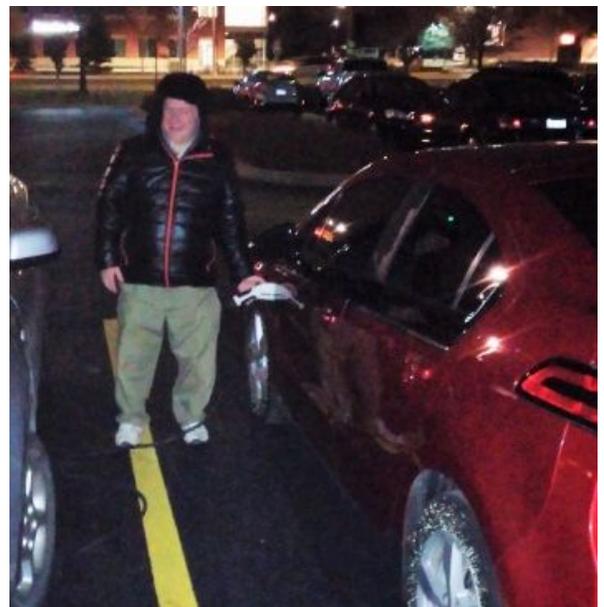
<input type="text" value="lowe"/>	<input type="button" value="Search"/>	Notes: <input type="checkbox"/>	<u>Id:</u> <input type="text" value="32"/>	[ 37 of 71 ]	<input style="border: none; text-decoration: underline; text-decoration-color: gray;" type="button" value=" ^First^ "/>	<input style="border: none; text-decoration: underline; text-decoration-color: gray;" type="button" value=" &lt;Previous "/>	<input style="border: none; text-decoration: underline; text-decoration-color: gray;" type="button" value=" Next&gt; "/>
<input type="button" value="New"/>	Show: <input checked="" type="radio"/> Active <input type="radio"/> All <input type="radio"/> Not Active <input type="radio"/> Active/Applied <input type="radio"/> Applied						
<u>First Name</u>		<u>Last Name</u>		<u>Business Name</u>			
<input type="text" value="Ted"/>		<input type="text" value="Lowe"/>		<input type="text"/>			
<u>Street Address</u>			<u>City</u>		<u>State</u>	<u>Zip Code</u>	
<input type="text" value="2003 Paddock Ct"/>			<input type="text" value="Wheaton"/>		<input type="text" value="IL"/>	<input type="text" value="60187"/>	
<u>Email</u>				<u>Website</u>			
<input type="text" value="ted.lowe@fveaa.org"/>				<input type="text"/>			
<u>Home Phone</u>	<u>Work Phone</u>	<u>Cell Phone</u>	<u>Fax</u>	<u>MI</u>	<u>Title</u>		
<input type="text"/>	<input type="text"/>	<input type="text" value="630-260-0424"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
<u>Paid Through</u>	<u>Newsletter Dist</u>	<u>Member Since</u>	<u>Date Entered</u>				
<input type="text" value="2019-10-13"/>	<input type="text" value="Electronic"/>	<input type="text" value="1999-06-18"/>	<input type="text" value="0000-00-00 00:00:00"/>				
<u>Status</u>	<u>Source</u>	<u>Type</u>	<u>Last Updated</u>		<input type="button" value="Update"/>		
<input type="text" value="Active"/>	<input type="text" value="Member Refe..."/>	<input type="text" value="Individual"/>	<input type="text" value="2018-12-03 11:23:46"/>				
<b>Enter Payment</b>							
<u>Paid</u>	<u>Paid Through</u>	<u>How</u>	<u>Where</u>	<u>Term</u>	<u>Note</u>	<u>Auto</u>	
<input type="text"/>	<input type="text" value="2020-10-13"/>	<input type="text" value="Online"/>	<input type="text" value="PayPal"/>	<input type="text" value="1"/>	<input type="text"/>	<input type="button" value="Renew"/> <input checked="" type="checkbox"/>	
<b>Notes (71)</b>							
<input type="text"/>						<input type="button" value="Add Note"/>	
<b>Plugins</b>							
<input type="button" value="Do Direct Mailman Sub"/>	<input type="button" value="Do Direct Mailman Unsub"/>	<input type="button" value="Do Direct Mailman Who"/>					
<input type="button" value="Edit Biz Ad"/>	<input type="button" value="Show Past Due By Date"/>						



Chris Young describes his meticulous conversion of a Chevy S10 Pickup to Electric that he did with his Father. Beautifully done Chris and Co.!



Slide of Chris Young's 2003 Chevy S10 Conversion from Gas to Lead to Lithium. This project started around 2008 taking the truck from Internal Combustion Engine (ICE) to Lead Acid Electric Vehicle in 3+ years. Then Chris and his father Phil converted it to Lithium Ion which took another 2+ years. Completion July 2018! Now the truck gets over 100 miles per charge



Andy Schaeffer plugs in his Chevy Volt



Photos of Chris' truck from National Drive Electric Week  
Sept.16, 2018



**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 **58 active paid-up** members, down TWO from last month! **Please renew** and recruit new

folks!



## FVEAA Membership Report

as of 2018-12-04 04:58:12

### Count of Members by Type

Membership Type	Count	Paid Up
BusinessStd	1	1
Family	5	5
Individual	54	49
LifetimeInd	3	3
Totals	63	58

### Other Statistics

Statistic	Value
% Paid Up	92.1%
Avg. Paid Up Days	193.8 days
% With Email	95.2%

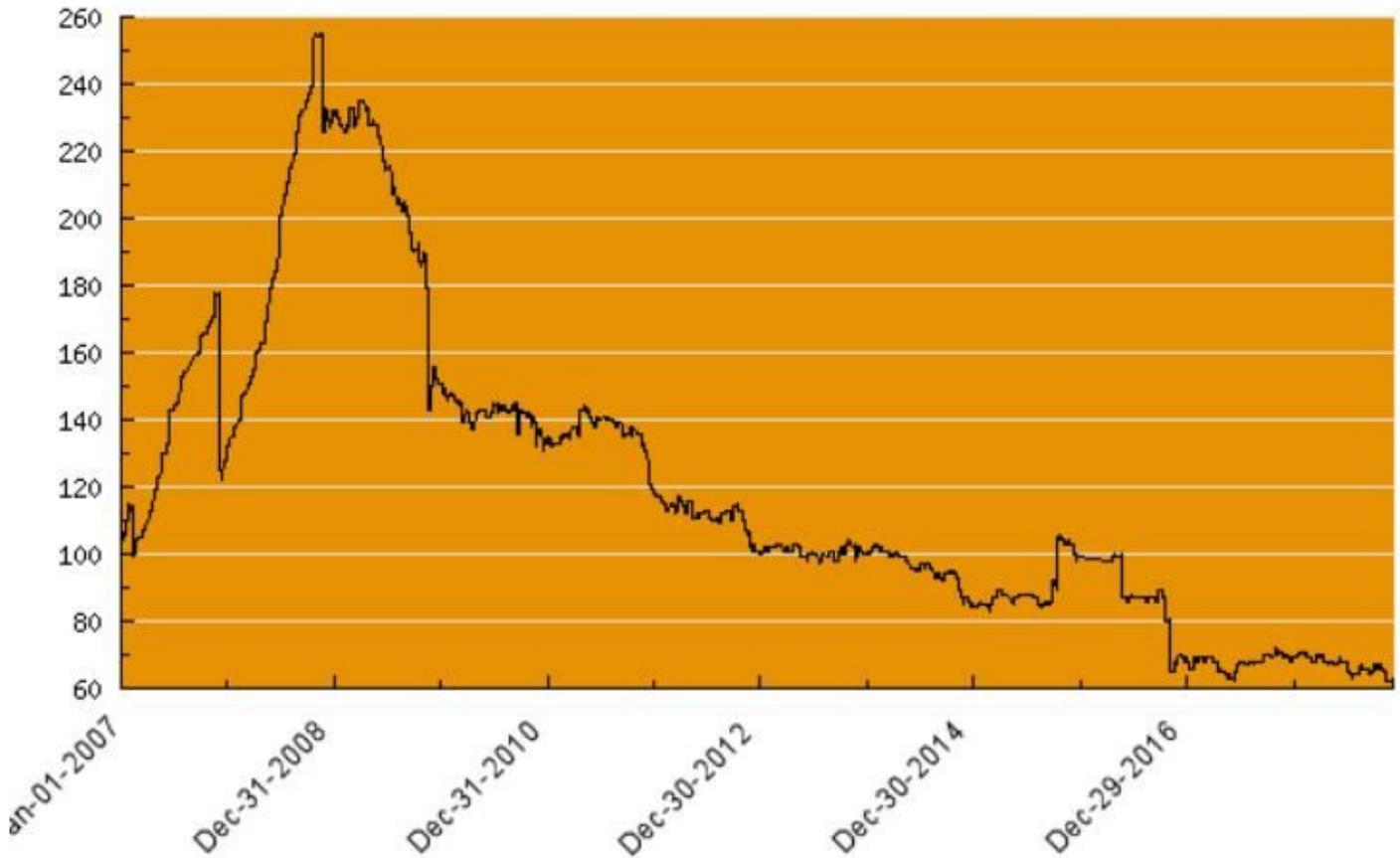
### Encouraging Our Membership To Grow in 2018 and 2019 and Some History

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 EVents. Volunteer to attend EVents 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 EVents with our EVs. **Let's get out there and grow the FVEAA in 2019!!!**

## FVEAA Paid Up Members as of December 4, 2018 3:26pm



### Monthly Treasurer Reports

Ted Lowe

As Treasurer, i am publishing a brief Treasurer's Report to our forums around the time our monthly newsletter is published.

i am publishing our various cash balances (Money Market, Checking, PayPal) to this location:

[FVEAA Committees](#) > [Finance](#) > [Treasurer Reports](#)

This area of the forums can only be seen by FVEAA members. As an IL Non-Profit corporation, we have no requirement to publish our assets or financial statements publicly.

Feel free to contact me if you have any FVEAA financial matters to discuss.

### 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!

Upcoming EVents

*Rich Hirschberg*

# NOTE TO **EV**eryone! OUR DECEMBER 2018 MEETING WILL BE ON **FRIDAY DECEMBER 7<sup>th</sup> 2018**

In December we will hold our annual Holiday POTLUCK party hosted again by Marty Belovicz  
Starting at 6:30 p.m. Ending 9:00 p.m.  
Bring something fun and delicious to share!

## LOCATION;

One Arlington Heights Luxury Apartments  
3400 W. Stonegate Blvd  
Arlington Heights, IL 60005  
At the corner of Euclid and Rohlwing Rd.

Meeting Minutes Nov. 16, 2018 -

*Bruce Jones*

- **WELCOME**
  - VP Rich Hirschberg opened the meeting at 7:15 with welcomes and introductions of all attendees
- **TED LOWE ARGUES AGAINST PROPOSED EV TAX**
  - Ted Lowe was interviewed by NBC channel 5 by Chris Coffey and it aired yesterday, Nov. 15 at 6 p.m.
  - The subject was an electric/hybrid tax being considered to help fund road construction
  - Jeff Miller ran the clip that included Ted who provided outstanding arguments against the tax. Way to go Ted!
- **ELECTRICAL USAGE LAST MONTH AT JEFF'S HOUSE**
  - Jeff presented some graphs showing his costs for electricity and specifically during the club meeting on October at his house
  - Kw rate was about 10 Cents per Kw and he showed peaks on the day before and during the meeting
- **NEW FVEAA WEB SITE**
  - Ted Lowe discussed the current FVEAA.ORG web site which is 12 year old and is based on a very old version of the Joomla! open source website package
  - He has written custom plug-ins for it since 2006 and he described some problems that have occurred over the years
  - Ted has built an upgraded development-site with latest Joomla! 3.8 version. Many of the old plug-ins are being rewritten (and improved)
  - Ted plans to finish by end of February
- **BREAK 7:45 - 8:15**

- **CHEVY S-10 CONVERSION - Chris Young**

- Chris Young gave an outstanding presentation on his two conversions of a 2003 Chevy S10 pickup truck
- First from ICE (internal combustion engine) to Lead Acid and then from Lead Acid to Lithium
- All in all these conversions have occurred over the last 8 years
- And in 2017 he actually visited the factory in China where they manufactured the batteries

- **MEETING ADJOURNED 9:30**

**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



# Best Hybrid Batteries

Only The Best

Michael Bradley

18600 IL-59

Shorewood, IL 60404

Phone: 708-669-9402

Email: [besthybridbatteries@gmail.com](mailto:besthybridbatteries@gmail.com)

Web: [www.besthybridbatteries.com](http://www.besthybridbatteries.com)



