

# Charged Up



## ELECTRIC VEHICLE ASSOCIATION OF SAN DIEGO (EVAOSD)

An affiliate of the Electric Auto Association (EAA)

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### Officers:

President: \*Insert Your Name Here\*

Vice President: You wanna be the VP!

Treasurer: Lloyd (needs to be promoted) Rose

Program Chairman: Joseph S. Gottlieb

Newsletter Editor: How hard could it be!

Webmaster: Russ Lemon

Librarian & AV: Lloyd Rose

**Regular Meetings:** Our meetings are on on the 4th monday of every month (except December).

**Location:** California Center for Sustainable Energy  
8690 Balboa Ave., Suite 100 · San Diego, CA 92123

**Place:** Main Conference Room

**Next Meeting:** Sept. 24th, 7 PM

**Program:** EVAOSD Position Nominations

### Presidents Message:

This is going to be a sad newsletter because no one sent me squat. It's election time and this month will be nominations! Come to the next meeting with your desires to conquer the world or just the EVAOSD. Seriously, if you want to run for a position in the EVAOSD please come and speak up. We are changing hands and need more people to jump in.

### For Sale:

Epic EV is having a sale of extra stuff: I have 85 batteries in house that I would like to sell for \$190/piece  
Model # 31-PC2150-Retail is \$375/piece !

Here is a link to the specs:

<http://www.odysseybatteries.com/battery/pc2150.htm>

I also have a couple of pallets of Delta Q Chargers as well.

Model #922-7254 QuiQ-dci ICON  
Charger 72V / 12V DC-DC Converter  
\$450/ charger

Thanks-Hope all is well.

Bill Hogan

General Manager

Epic Boats/Epic EV

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**GE Announces \$63 million in New Orders for Breakthrough Battery**

New GE Start-up Shows Immediate Return on Investment in Telecom Market

10 new telecom customer orders in seven countries during first few weeks of GE Energy Storage operations. Durathon battery estimated to reduce diesel fuel consumption by up to 40 percent. New customers to save tens of millions of dollars over lifetime of batteries

SCHENECTADY, N.Y.--([BUSINESS WIRE](#))-- GE's (NYS: [GE](#)) Energy Storage business announced today \$63 million in new Durathon battery orders since the business launched in July. In its first weeks of operation, the business secured 10 new telecom customer orders across several regions, including Africa, Asia, India and the U.S. - powering a total of more than 3,500 cell towers. The breakthrough battery provides reliable and cost-effective energy storage options for a broad range of global customers and is being produced at GE's advanced manufacturing factory here.

Prescott Logan, General Manager, GE Energy Storage said, "Durathon batteries help solve key challenges for customers in emerging markets, where power outages and cycle disruption are prevalent, and in developed markets where batteries currently take up large spaces in cramped urban centers. The technology is unique because it can function in a variety of extreme conditions and store as much energy as lead-acid batteries twice its size while lasting up to 10 times as long."

GE's innovative Durathon battery technology works by employing environmentally responsible sodium chemistry to capture excess energy from the diesel fuel generators. When the generator is off and the battery is fully charged, it feeds the stored power back to the cell tower. This hybrid, cyclic charge/discharge operation reduces fuel consumption by up to 40 percent.

With headquarters in Nairobi, Telecommunication, Power and ICT Service Provider, Adrian Company LDT is among GE's newest Durathon battery customers.

Bernard Njoroge, Group Managing Director, Adrian Group of Companies, noted, "Our main challenge is downtime due to frequent power outages on the grid. For our sites located in densely populated areas where wireless signals and data transmission loads are heaviest, the Durathon battery has proven to be the perfect innovation solution for us to implement."

The Durathon battery can help extend mobile phone service to billions of people worldwide by helping generator-powered cell towers operate more efficiently, while also reducing greenhouse gas emissions. With more than one billion people - and potential cell phone subscribers - living in remote areas with no accessible power grid, operators are often forced to continuously power cellular base stations using diesel fuel. This costs an average of \$20,000 to \$30,000 per site and adds more than 50 tons of carbon dioxide into the atmosphere per year.

Megatron Federal, an engineering company based in Johannesburg, South Africa, was the first customer to sign a purchase agreement for 700 batteries in early 2012, adding 300 more shortly thereafter. The company with products and services in power generation, transmission, distribution, construction and telecommunications, signed another agreement to purchase 6,000 batteries when GE Energy Storage formally opened the new Schenectady facility. These batteries will ensure the continuous operation of telecom installations in Nigeria. They will also enable Megatron to lower both fuel consumption and emissions of diesel generator powered telecom towers by up to 50 percent.

GE ecomagination Vice President, Mark Vachon said, "It is estimated that the telecom industry accounts for two percent of the total world carbon footprint and could reach an alarming four percent by 2020 if solutions aren't implemented in the near-term. We know that in this current global context, we must stay laser focused on what our customers need to make their operations more productive, resource efficient, and environmentally smart." GE Energy Storage is experiencing increased demand for the technology with other new orders set to be finalized. By mid-2013, GE anticipates having more than 1,000 hybrid telecom installations worldwide and over five times that number by year-end.



Nissan unveiled their all-new [100% electric Panel Van version e-NV200 Concept](#), decorated with Nissan and [FedEx](#) graphics and logos, this week at the 64th IAA Commercial Vehicle International Motor Show in Hanover.

Nissan has been working with FedEx Express since December 2011 to test the e-NV200 in real world operations to help shape development of the 100% electric compact delivery vehicle. FedEx Express currently operates 130 all-electric vehicles worldwide in several configurations including step vans and

larger, making the company an ideal collaborator for this research and development initiative.

View slideshow: [Nissan & FedEx developing e-NV200 electric delivery van](#)

Estimates from the research firm Frost and Sullivan suggest the global market demand for light duty electric commercial delivery vehicles in Europe and North America will be in the area of 200,000 by 2016. The largest demand is thought to be in Europe where the motivation to find cheaper alternatives to oil and gas, address environmental issues along with greater governmental support and incentives is driving commercial operators to embrace the electric commercial delivery van faster than in the US.



### Smith Electric Vehicles Cancels IPO

Smith Electric Vehicles Corp. of Kansas City, which has had to cut production of its electric-powered commercial trucks, scrapped an initial public offering that it had hoped would raise more than \$70 million.

The company and existing owners had offered 4.45 million shares for \$16 to \$18 each — a total ranging from \$71.2

million to \$80.1 million. Smith announced late Thursday that it was pulling the Nasdaq Stock Market IPO and that it would “pursue private financing opportunities.”

“We received significant interest from potential investors; however, we were unable to complete a transaction at a valuation or size that would be in the best interests of our company and its existing shareholders,” Bryan Hansel, Smith’s chief executive officer, said in the announcement.

Smith Electric needs outside financing, having slashed its production target for this year and saying it was running short of cash. The company recently pledged assets to obtain an \$11.5 million loan to ensure operations through September.

The company went on to receive \$32 million in federal grants, and President Barack Obama visited the Kansas City plant in 2010 to highlight efforts in the United States to build a greener economy.

The company has had some prominent businesses buy its medium-duty electric trucks and vans, including Frito-Lay, FedEx and Staples, which mainly use them for deliveries.

Read more here: <http://www.kansascity.com/2012/09/21/3826261/smith-electric-cancels-ipo.html#storylink=cpy>

### **CBO: Government will spend \$7.5 billion on electric vehicles.**

Over the next seven years, the federal government will spend \$7.5 billion on policies to boost the U.S. electric-vehicle industry. But a [new report](#) from the Congressional Budget Office raises questions about how quickly these programs will achieve many of their intended goals.

In particular, the report scrutinized the \$7,500 tax credit that the government is now offering to consumers who purchase plug-in hybrids like Chevrolet’s Volt or all-electric vehicles like Nissan’s Leaf. This credit, the CBO estimate, will cost \$2 billion between 2009 and 2019.

In the short term, this credit is unlikely to make electric cars affordable, the report argues. Even with the tax break, an average plug-in hybrid would still cost roughly \$4,000 more over its lifespan than a conventional vehicle of similar size and performance, assuming that gasoline prices continue to average around \$3.60 per gallon (an assumption that might be wrong). In other words, the tax credit would have to be much bigger to make electric vehicles competitive.

That’s one reason why CBO only seems to be expecting around 270,000 or so electric vehicles to get sold over the next seven years\*—far below President Obama’s [goal](#) of putting one million electric vehicles on the road by 2015. Still, the report notes, those sales figures could very well go up if either the cost of gasoline goes higher or the price of electricity goes down. (Alternatively, the cost of batteries might also plunge—a [recent report](#) from McKinsey & Company predicted that lithium-ion battery prices could fall by as much as two-thirds this decade, giving a major boost to the industry.)

What’s more, for the next several years at least, the electric-vehicle tax credit will have “little or no impact” on America’s overall gasoline consumption or greenhouse-gas emissions, the report said. That’s because of how the credits would clash with the Obama administration’s new [fuel-economy rules](#).



The Kick Gas Car Club is a support group for current and future electric vehicle owners, established in 2007 and based in San Diego, California. Our mission is to convert and maintain electric vehicles for green trees, clean air, blue sky's and healthy oceans EVERYwhere, a local effort with global significance. Our hearts also tell us to do this for EVERY current and future Jack and Jill see "About Puff the Mechanical Dragon" our Kick Gas Car Club mascot and a metaphor for the four stroke cycle engine which has been polluting our environment for over one hundred years. Club members collectively own and operate a car conversion shop stocked with specialized tools and equipment needed to undertake the conversion process safely and quickly. To date the Kick Gas Car Club has converted or has had a hand in converting well over two dozen ICE cars ( Internal Combustion Engine) to NICE cars ( No Internal Combustion Engine ) powered by electric batteries. We also offer EV conversion workshops for a small fee and to date almost two hundred people have participated. The Kick Gas Car Club is self funded by its members on a voluntary donations basis. Please come and join us for one of our EV workshop held the first Saturday of each month or for one of our EV Work-a-Days held each remaining Saturday of the same month. If you do decide to visit, you will find us diligently working on Kick Gas Car Club member EV's as we share technical knowledge, sweat equity labor and great meals with like minded friends who choose to love and live POWERFUL as they drive NICE-ly by EVERY gas stations in their neighborhood and hopefully sometime soon in the whole WORLD ! Why not? Saz the KGCC



# Electric Auto Association (EAA) Membership Application Form

Fill out this form, attach a check, money order or use PayPal, in US funds only, payable to 'Electric Auto Association'. CE = Current EVents newsletter

e-CE  \$35 USA & other Countries  \$25 Student  \$25 Senior (>65-USA/Canada only) birth year

paper CE  \$45 USA  \$48 Canada  \$52 World  \$29 Student  \$29 Senior (>65-USA/Canada only)

\$120 (supporting level-1)  \$240 (supporting level-2)  \$500 or more (high voltage)\_\_\_\_\_  do not list my name

I support the \_\_\_\_\_ EAA Chapter (additional chapters, \$10 each) \_\_\_\_\_

(\$10each ) Additional Chapters or Special interest group (other than the one that comes with the membership)

You can fold this form as indicated and mail it with your payment enclosed. Use tape to seal the form, **on the sides**, before you mail it or send an e-version of this form, through PayPal using <http://electricauto.org/eamembership.html>

New Member  Renewal

Name  email

Mailing address (Apt. #)  Home phone

Mailing City, State & Zip-8  Work phone

Electronic version of Current EVents, paperless only, link sent by email, if your membership was for the e-version, that is what you will receive

Do you own or  Lease an electric vehicle (plug-in)  production  conversion  bicycle  hybrid or  None

please include miles driven and type of vehicle

All information in this application is for the exclusive use of the EAA and not sold or given to any other organization.

**Please identify your primary areas of interest relating to the EAA (check as many as your wish)**

Owner/Driver  Hobby/Builder  Professional/Business  Competition (Rallies, Races, Records)  Plug-in Hybrids

Environmental/Govt. Regs  Social (Rallies, Shows, Events)  New Technology & Research  Solar & Wind Power

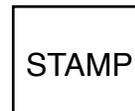
Promotion & Public Awareness of EVs  Student or General Interest  Electrathon/Bicycle/Scooter/Other

The Electric Auto Association is a non-profit, 501(c)(3) for the promotion of electric vehicles. Your donations are tax deductible and with your membership you will receive the EAA publication, "Current EVents". All information and statistics in this application are for the exclusive use of the EAA and is not sold or given to any other organization or company. Your membership dues include a percentage goes to the EAA Chapter you support for public Electric Vehicle promotion EVents like rallies, shows and EV rides.

Current subscribers have borrowing privileges for the association's video tape and publications library. Subscribing to the newsletter is optional and is not a requirement for membership. EVAOSD meetings are always open to any and all interested parties. New Subscribers, please use this form to register to receive the EVAOSD Newsletter. Current Subscribers, please use this form to send us any change in your details.

Please make check or money order payable to: EAA and reference EVAOSD. Send this form and payment to: Lloyd Rose, EVAOSD Treasurer; 2755 Dos Aarons Way, Suite A, Vista, CA 92081

EVAoSD Newsletter  
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