

Summary:

For the September 16th issue of NAATBatt's Advanced Battery Weekly, we highlight the ongoing sector activities.

Key developments at NAATBatt member firms **Altairnano**, **Boston-Power**, and **MEGA Graphite** are highlighted in the Member News section of this newsletter below.

Executive Director James Greenberger suggests that a massive, government directed initiative by U.S. power companies to build a smart grid in China would serve the needs of both China and the United States and promote significant job growth in the U.S. Read "**A Marshall Plan to Build a Smart Grid--in China**" in the Executive Director's Notes portion of this newsletter below.

The NAATBatt increased 9.4%, while the U.S. and Asia Battery Indices were flat. The weekly change in the S&P500 and Russell 2000 was also relatively flat.

Key Highlights:

- **Maxwell Technologies** has been selected by **Zhengzhou Yutong Bus Company (Yutong)** to supply ultracapacitors for use in diesel-electric hybrid buses. Yutong is producing ebuses for public transit agencies worldwide.
- **Johnson Controls** is investing \$100 million to build a Start-Stop vehicle battery plant in **China**. The company plans to produce an annual capacity of 2.4 million Start-Stop batteries by 2015 for local and global automakers.
- **Coda Automotive** has started selling its electric vehicle (EV) in the United States. **UQM Technologies** is supplying the electric motors.
- **MEGA Graphite** announced it has entered into a Letter of Intent (LOI) with **Bharat Poddar** of **Chotanagpur Graphite Industries (CGI)** to create a new Joint Venture (JV) to mine, mill and produce purified graphite from CGI's properties that are located in **Eastern India** in the **Jharkhand Region**.
- **Ener1** has completed several milestones for its contract with **Russia's Mobile GTES** to co-develop lithium-ion (li-ion) based distributed energy storage systems. The company has developed and manufactured two distributed energy storage systems, which have been tested and certified by **KEMA**.
- **Nissan Motor** unveiled a new quick charger that is smaller than existing ones. The product will go on sale in November in **Japan** and with eventual rollout in the **U.S.** and **Europe**.
- **Boston-Power**, **Protean Electric** and **BRABUS** have worked together to develop two new high-performance EVs based on the **Mercedes-Benz E-Class**. The vehicles utilize Boston-Power's 1.2kWh liquid-cooled module known as **Swing Medley**.
- **Mitsubishi Motors North America** is raising the price of its new **i-MiEV** models. The starting suggested retail prices of the ES and higher-end SE versions of the EV will both increase by \$1,135 to \$29,125 and \$31,125, respectively.

- **Proton** has delivered the first batch of EVs to the **Malaysian** government for testing and expects to begin mass production in two years. Three Saga EVs and five Exora REEV (range extended EV) will be used by the **Prime Minister's** Department and four other ministries.
- **Altairnano** announced it had reached an agreement with **Inversiones Energéticas S. A. DE C. V. (INE)** to extend its current contract to supply a 10 Megawatt (MW) system for the **El Salvador Electric Grid**. Initial regulatory reviews were completed by **Unidad de Transacciones (UT)**, accepting the technical results of required electrical interconnection studies.
- **Brahms Electric Vehicles** is seeking clients for its new line of EVs: plug-in hybrid hearses. The EV, built from a **Mercedes-Benz** station wagon, is only a proof-of-concept to give funeral directors an idea of the possibilities.
- **Car Charging Group** announced a partnership with **Central Parking System** and its subsidiary, **USA Parking System** to provide charging services at locations nationwide via **Coulomb Technologies' ChargePoint Network**. The operators have 2,200 locations nationwide with 1.1 million parking spaces.

A Few More Details:

Maxwell Technologies has been selected by Zhengzhou Yutong Bus Company (Yutong) to supply ultracapacitors for use in diesel-electric hybrid buses. Yutong is producing e buses for public transit agencies worldwide. The Yutong hybrid drive system will incorporate 16 of Maxwell's 48-volt ultracapacitor modules that enable the vehicles to achieve fuel savings and CO2 emission reduction of about 25%. It will also reduce particulate emissions by up to 90% compared with conventional diesel buses. Yutong has a daily production capacity of over 170 buses

Source: Maxwell Technologies

Johnson Controls is investing \$100 million to build a Start-Stop vehicle battery plant in China. The plant will supply global and local automakers in Asia and is expected to start production in early 2013. The company plans to produce an annual capacity of 2.4 million Start-Stop batteries by 2015 for local and global automakers.

Source: Johnson Controls

Coda has started selling its EV in the U.S. The li-ion battery is being manufactured in China by a JV of which the company has a 40% stake. UQM Technologies is supplying the electric motors. In addition, Coda announced the acquisition of EnergyCs, a developer of battery management systems (BMS).

Source: Coda Holding and USA Today

MEGA Graphite announced it has entered into a Letter of Intent (LOI) with Bharat Poddar of Chotanagpur Graphite Industries (CGI) to create a new Joint Venture (JV) to mine, mill and produce purified graphite from CGI's properties that are located in Eastern India in the Jharkhand Region. The LOI outlines a 51/49% ownership (with MEGA owning majority share). The organizations are working towards a Definitive Agreement for the purpose of the Business. The transactions are intended to be completed and closed on or before December 31st, 2011.

Source: MegaGraphite

Ener1 has completed several milestones for its contract with Russia's Mobile GTES, a wholly-owned subsidiary of Federal Grid Company (FGC) of Unified Energy System to co-develop li-ion-based distributed energy storage systems as part of a nation-wide grid modernization program. The company

has developed and manufactured two distributed energy storage systems, which have been tested and certified by KEMA. Ener1's first system was delivered to the Black Sea port city of Sochi where it will provide large-scale emergency power backup for the micro-grid being built to support the 2014 Winter Olympic Games. The second unit is anticipated to be shipped to St. Petersburg later this year.

Source: Ener1

Nissan Motor unveiled a new quick charger (as shown in **Exhibit 1**) that is smaller than existing ones. The product will go on sale in November in Japan and with eventual rollout in the U.S. and Europe. The basic model will cost about half the price of the current model, which is stockier and has more parts, and costs 1.47 million yen (\$19,000). The higher-grade model for outdoors will also be cheaper and cost under 1 million yen (\$13,000). The company is targeting sales of 5,000 of the new chargers in Japan by the end of March 2016.

Source: Nissan Motor

Exhibit 1: The New Quick Charger



Source: Nissan Motor

Boston-Power, Protean Electric and BRABUS have worked together to develop two new high-performance EVs based on the Mercedes-Benz E-Class (as shown in **Exhibit 2**). The EVs are being offered under the BRABUS label, one vehicle is called 'Four-wheel-drive Full Electric' and the second a rear-wheel drive sedan using a hybrid drive system working in conjunction with an internal combustion engine. The vehicles utilize Boston-Power's 1.2kWh liquid-cooled module known as Swing Medley.

Exhibit 2: Benz Vehicle



Source: *Boston Business Journal*

Mitsubishi Motors North America is raising the price of its new i-MiEV models. The starting suggested retail prices of the ES and higher-end SE versions of the EV will both increase by \$1,135 to \$29,125 and \$31,125, respectively. The company did not provide a specific reason for the price increase, just citing "unforeseen changes in market conditions." Buyers of the cars will still qualify for a \$7,500 federal tax credit.

Source: *Associated Press*

Proton has delivered the first batch of EVs to the Malaysian government for testing and expects to begin mass production in two years. Three Saga EVs and five Exora REEV (range extended EV) will be used by the Prime Minister's Department and four other ministries. The EVs are expected to cost between RM70,000 (or \$10,958) and RM100,000 (or \$15,654). The Exora REEV has a range of up to 700 kilometers (435 miles) while the Saga EV could travel up to 130 km (80 miles) before a recharge is required.

Source: *Malaysia Star*

Altairnano announced it had reached an agreement with Inversiones Energéticas S. A. DE C. V. (INE) to extend its current contract to supply a 10 Megawatt (MW) system for the El Salvador Electric Grid. The contract extension was granted to permit both INE and Altairnano the time needed to conclude work necessary to obtain regulatory approval for the introduction of energy storage within El Salvador. Initial regulatory reviews were completed by Unidad de Transacciones (UT), accepting the technical results of required electrical interconnection studies.

Source: *Altair Nanotechnologies*

Brahms Electric Vehicles is seeking clients for its new line of electric vehicles: plug-in hybrid hearses. The EV, built from a Mercedes-Benz station wagon (as shown in **Exhibit 3**), is only a proof-of-concept to give funeral directors an idea of the possibilities. The firm was in the process of liaising with various hearse coach-builders to find a suitable partner to produce the electrified hearses.

Source: *Fox News*

Exhibit 3: The BEV Electric Hearse Concept



Source: Brahms Electric Vehicles

Car Charging Group announced a partnership with Central Parking System and its subsidiary, USA Parking System, the nation's largest parking garage operator, to provide EV charging services at locations nationwide via Coulomb Technologies' ChargePoint Network. There are about 17,000 parking garages in the United States. The company plans to install charging stations at sites owned by the two parking garage operators. The operators have 2,200 locations nationwide with 1.1 million parking spaces.

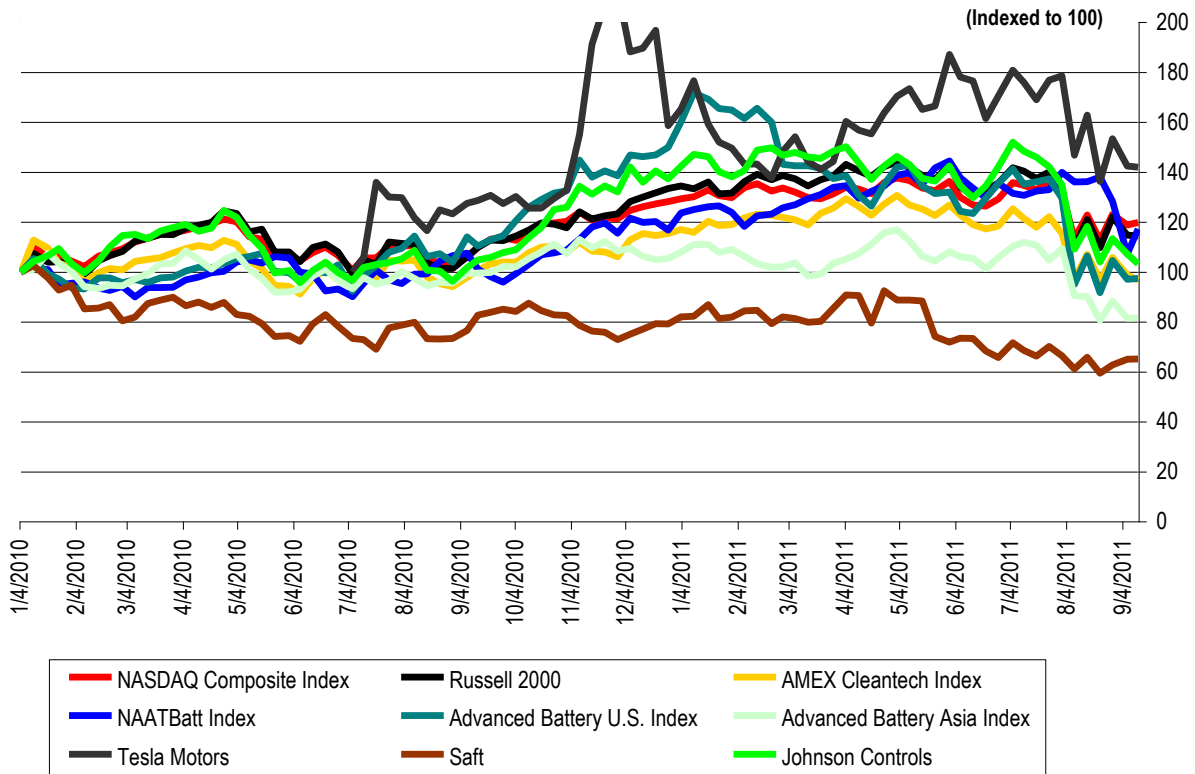
Source: Car Charging Group

Member News:

- MEGA Graphite Inc. (MEGA), a global graphite company which owns natural crystalline flake properties, announced it has entered into a Letter of Intent ("LOI") with Bharat Poddar of Chotanagpur Graphite Industries (CGI), located in Jharkhand, India to create a new Joint Venture to mine, mill and produce purified graphite from CGI's properties, located in Eastern India in the Jharkhand Region. The LOI between MEGA and Bharat Poddar outlines a 51/49 % ownership. MEGA and Bharat Poddar would jointly form a company under The Companies Act of the Indian Constitution for the conduct of business. Bharat Poddar would transfer the agreed assets, which include mining and milling operations; mining leases and permits and equipment shall be transferred to MEGA. For complete details, please visit: http://www.megagraphite.com/assets/images/PR_%20India%20termsheet.pdf
- Boston-Power, Inc. and Protean Electric announced that the companies are working together to provide the lithium-ion battery systems and electric in wheel motor solutions for two new advanced BRABUS vehicles based on the Mercedes-Benz E-Class. For complete details, please visit: <http://www.boston-power.com/news/press-releases/brabus-boston-power-and-protean-electric-team-deliver-high-performance-ev>
- Altairnano (ALTI) announced it had reached an agreement with Inversiones Energéticas S. A. DE C. V. (INE) to extend its current contract to supply a 10 Megawatt ALTI-ESS system for the El Salvador Electric Grid. The contract extension was granted to permit both INE and Altairnano the time needed to conclude work necessary to obtain regulatory approval for the introduction of energy storage within El Salvador. Initial regulatory reviews were completed by Unidad de Transacciones (UT), accepting the technical results of required electrical interconnection studies. For complete details, please visit: <http://www.altairnano.com/profiles/investor/ResLibraryView.asp?BzID=546&ResLibraryID=47295&G=322>

Exhibit 4: Indices Performance

(From January 4, 2010)

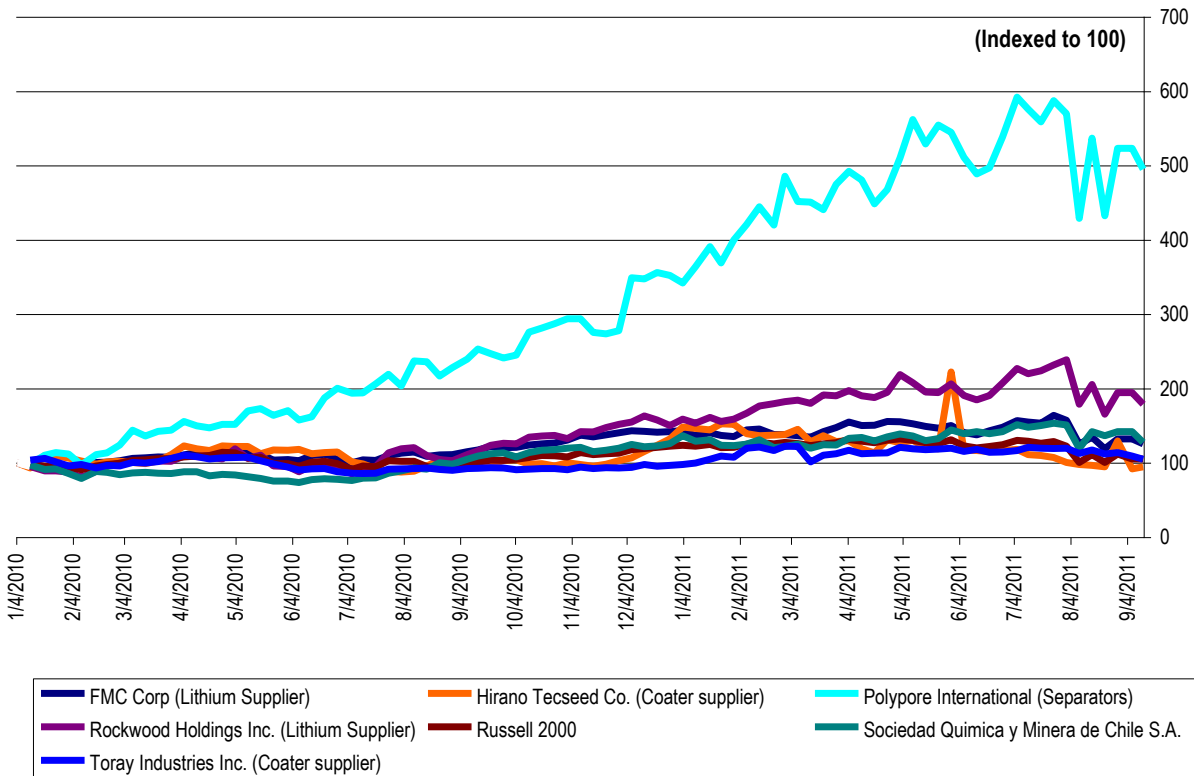


Index	Close on 9/12/2011	52-Wk High	% of 52-Wk High	Performance		
				LTM	YTD	Week
Dow	11,061.1	12,928.5	85.6%	5.8%	(5.2%)	(0.7%)
S&P 500	1,162.3	1,370.6	84.8%	4.4%	(8.6%)	(0.3%)
NASDAQ	2,495.1	2,887.8	86.4%	10.2%	(7.3%)	(2.6%)
Russell 2000	679.8	868.6	78.3%	6.0%	(14.9%)	(0.2%)
AMEX Cleantech Index	949.1	1,292.4	73.4%	(2.4%)	(17.4%)	(2.1%)

Source: Bloomberg and ThomsonOne

Note: The select NAATBatt Index is a market-value-weighted average and includes ALTI, BASF, COP, ENS and XIDE. The Advanced Battery U.S. Index is a market-value-weighted average and includes HEV, MGA, MXWL, UQM and VLNC. The Advanced Battery China Index is a market-value-weighted average and includes BYD, CBAK, GS Yuasa, LG Chem and Panasonic.

Exhibit 5: Supplier Performance
(From January 4, 2010)



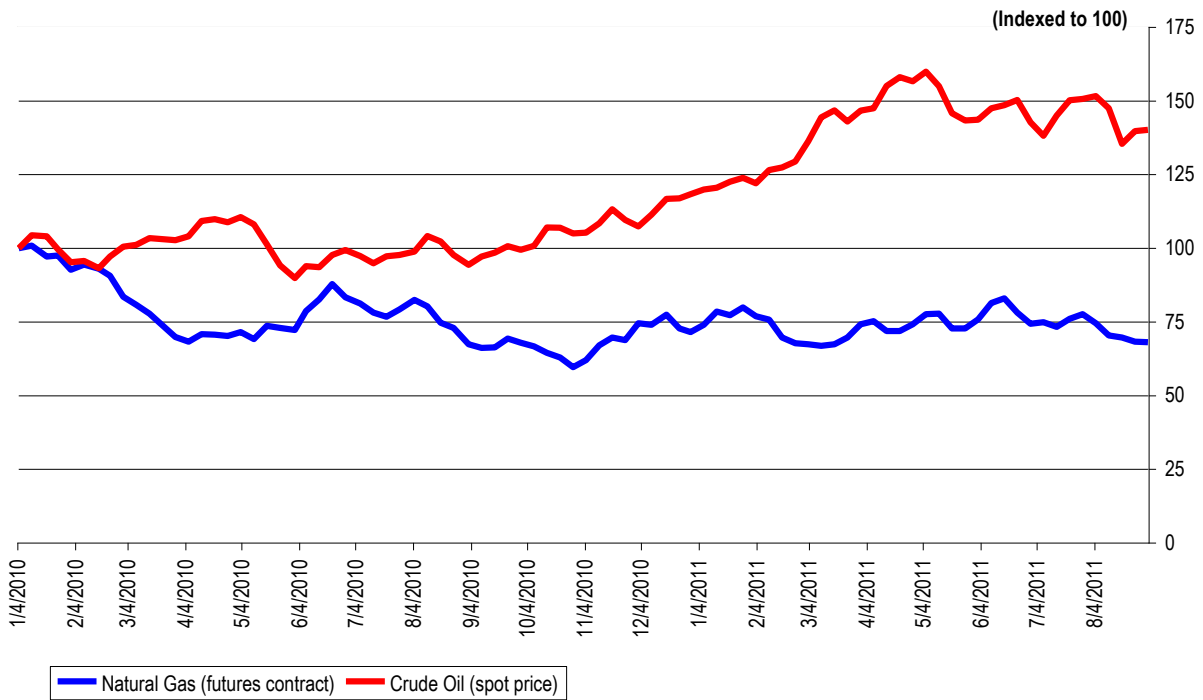
Source: Bloomberg

Exhibit 6: Commodity Prices

Commodity	Price on 9/12/2011	Price on 9/6/2011	Price on 8/12/2011	1 Week Change	1 Month Change
LME Copper (Cash, \$ per tonne)	8,645	8,919	8,851	(3.1%)	(2.3%)
LME Lead (cash, \$ per tonne)	2,425	2,424	2,386	0.1%	1.6%
LME Nickel (cash, \$ per tonne)	20,850	20,620	21,775	1.1%	(4.2%)

Source: LME

Exhibit 7: Natural Gas and Crude Oil
(From January 4, 2010)



Source: EIA

Executive Director's Notes



A MARSHALL PLAN TO BUILD A SMART GRID--IN CHINA

I wrote in last week's column about the three most interesting insights into the future of grid-connected energy storage offered last week at the 2011 NAATBatt Annual Meeting and Conference by David Mohler, chief technology officer of Duke Energy. It occurred to me after posting my article that I neglected one other important insight. The fourth insight came not from David's speech but from where he went after his speech: David is in China this week exploring commercial opportunities, undoubtedly trying to find ways to monetize Duke's expertise in power technology.

The last time I checked, China was outside of Duke Energy's service territory. But Duke, as always, may be on to something. Duke and other owners of advanced electric power technology, including energy storage technology, may have the most advanced electric power technology in the world. But the immediate market for that technology is not in the United States. The immediate market for that technology is in China.

The potential growth in China's electricity sector is astounding. A 2010 KPMG study expects that electricity consumption in China will rise to 6,400 TWh by 2020, up from 3,600 TWh in 2010. To meet that demand, approximately \$2.8 billion in additional investment will be needed, says KPMG.

But building a replica of the early Twentieth Century power grid used in America will not solve China's problem. Rising living standards, and even more rapidly rising expectations, will press China's leadership to expand the availability of electric power even faster than KPMG projects. The key to doing this will be maximizing the efficiency of electricity use, not just the level of its production. In addition, the environmental impact of new coal-fired electricity generation plants poses a very real threat to public health and economic growth in China. Integrating and balancing large quantities of variable, renewable energy onto the grid is not just an environmentalist's wish in China—it is an economic imperative for the country.

Duke's hunting for opportunities in the largest smart grid and energy storage market in the world is understandable. But it may also evidence a larger, missed opportunity. China's needs are greater than even Duke can address. Moreover, much of the intellectual property and know-how that China would need to build a truly best-in-world smart grid are spread among numerous U.S. companies and, to some extent, concentrated in the U.S. Department of Energy. This is more than a one company job.

There is a deal to be cut here. It is time to put substance into the Framework for Ten Year Cooperation on Energy and Environment signed by President Obama and President Hu in November 2009. The

government of China should contract with the U.S. power industry, coordinated through the U.S. Department of Energy, to build a complete smart grid in China. This would be no less than a Marshall Plan to build a 21st Century smart power grid in China.

For the Chinese, the advantages of such a deal are obvious. China would end up with the most sophisticated and, yes, the most competitive power grid in the world. That system will help meet China's energy needs, continue its economic growth, and preserve its social stability. If China wants to build such a system, it must deal with American companies. They alone have the know-how and technology to create it. China could try to acquire that technology through one-off deals with companies such as Duke. But it will have massive IP and export control restriction problems to contend with. All those issues could, however, be resolved in one large framework deal.

From the U.S. perspective, the advantages are also clear and would be profound. The most immediate advantage would be U.S. job creation. Assuming that the project included aggressive U.S. labor and materials content requirements (which would be an essential part of the deal), the U.S. job creation potential of building out the Chinese national power grid would make the package of tax credits and school building repairs being debated today in Washington look almost humorously anemic. Moreover, building out a smart power grid in China will ensure that American companies and American workers maintain their leadership in smart grid and energy storage technology. We will come out of the project smarter than we went in.

Of course, the idea of a Marshall Plan for China may strike many as odd, and even as dangerous. China is an economic competitor and one that many Americans view as an adversary. But building a smart grid for China, even if that grid will be better and more competitive than the grid we have in the United States, makes sense for a couple of reasons, in addition to immediate job creation:

First, creating and selling technology is what America does as a nation. It is what Americans have done for decades and what we continue to do better than anyone else. Right now we have a lot of valuable smart grid and energy storage technology sitting on the shelf. While it is right to want to sell it for a fair price, it is foolish to leave it sitting unsold. No tailor would fail to sell a suit to a customer because the customer would be better dressed than the tailor. It is time to make a sale.

Second, building a 21st Century smart grid in China may be the key to building one in the United States. Today our efforts to roll out smart grid and energy storage systems in the United States are largely stuck. The inertia is due, not to foolish politicians and stupid regulators, but to the fact that, despite its inefficiencies and antiquated complexities, the United States has an electrical power grid that works pretty well. This is a problem (or a benefit, depending upon your perspective) that China does not share. Integrating new technologies into the existing U.S. power grid is a high risk proposition for electric utilities, whose principal obligation to customers is providing safe, reliable power at the cheapest possible price. Having these same utilities roll out and gain experience with new grid-connected technology in China, however, may provide the validation necessary to deploy that technology in the United States.

Smart grid and energy storage technology is the key to U.S. job growth. We have to find a way to get it off the shelf. The veto of smart grid legislation this past week by Illinois Governor Pat Quinn, a well-known populist (who also happens to be in China this week), should wake us to the sober reality that in tough economic times it is going to be hard to sell the good enough as the enemy of the excellent to hard pressed U.S. taxpayers and ratepayers. We need to look elsewhere for a large, immediate market for smart grid and energy storage technology. If our government will coordinate the effort, there may be a major opportunity to the East.



James J. Greenberger
Executive Director

September 16, 2011



NAATBatt Membership Applications for 2011

2011 Membership Applications and Dues Structure

NAATBatt is accepting applications for membership for the 2011 calendar year. Membership dues for 2011 are \$10,000 for Corporate Members, \$10,000 for OEM Members, \$10,000 for Utility Members, \$5,000 for Associate Members, \$1,000 for Individual Members, and \$500 for Non-Profit/Government Members. Please click on <http://naatbatt.org/membership-inquiry/> and indicate that you are interested in a 2011 membership.

Why Join NAATBatt?

NAATBatt's mission is to grow the market for advanced electrochemical energy storage technology in North America. NAATBatt provides regular educational programming on topics of interest to the advanced battery community, a weekly newsletter chronicling developments in the North American advanced battery market, networking opportunities for industry participants and their customers, including our recently concluded conference on PEV's and the grid, and public policy initiatives, such as the recent NAATBatt-sponsored meeting with Chairman Jon Wellinghoff of FERC and production of written comments to FERC in support of distributed energy storage technology.

NAATBatt recently concluded the highly successful meeting and conference entitled "The Impact of PEV's on T&D Systems: Challenges and Solutions", in Louisville, Kentucky. The conference was the largest cross-industry event to date focused on the impact of plug-in electric vehicles on the grid. The conference outlined the improvements and upgrades that utilities must make to the grid in order for it to accommodate mass-market electric vehicles. The conference emphasized the critical role that grid-connected energy storage can play in promoting vehicle electrification in the United States. Emphasizing the necessary relationship between grid-connected storage and electric vehicles is one of NAATBatt's primary missions.

NAATBatt is a not-for-profit trade association qualified under Section 501(c)(6) of the Internal Revenue Code that is working for the benefit of the entire industry. **Every dollar spent on NAATBatt memberships and programs goes to recouping program costs and to supporting activities intended to benefit the entire advanced battery industry.** At a time when it seems that the only people making money on advanced lithium-ion technology are professional conference organizers, the advanced battery industry should take control of its own market and its own future. NAATBatt exists to market for the industry, not to the industry. But NAATBatt needs your support to do it. Please join us.

North American Industry Announcements and Calendar

Presentations from the NAATBatt 2011 Annual Meeting and Conference Now Available:

Speaker presentations, speaker bios and attendee lists from the just concluded NAATBatt's 2011 Annual Meeting and Conference are now available on the NAATBatt Web site. Go to www.naatbatt.org and navigate to the 2011 Annual Meeting and Conference link to view them. The links are password protected, and the password is available to NAATBatt members and conference attendees for no charge. Others may purchase access to the presentations for \$250. Please contact Jim Greenberger at jgreenberger@naatbatt.org for your password. Photos from the conference will be posted shortly.

Presentations from the Workshop on Distributed Energy Storage Posted: Presentation materials, handbooks, attendee lists and working group discussion summaries from the April 21, 2011 DOE/NAATBatt Workshop on Issues in Distributed Energy Storage have been posted on the NAATBatt Web site at: www.naatbatt.org. The materials are available for review to all Workshop registrants and to all NAATBatt members. Please contact Jim Greenberger at jgreenberger@naatbatt.org for your password.

Presentations from the NAATBatt 2010 Annual Meeting and Conference are Available:

NAATBatt's 2010 Annual Meeting and Conference entitled "The Impact of PEV's on T&D Systems: Challenges and Solutions" was a great success. More than 40 industry experts presented and the conference on topics relating to how the grid was going to accommodate the new load that will be generated by plug-in electric vehicles. Copies of the speaker presentations are available on a secured portion of the conference Web site. Access to the Web site is free to NAATBatt members and conference attendees. Access to the presentations is now available to all other for the price of \$250. Please contact Jim Greenberger at jgreenberger@naatbatt.org for more information about accessing the presentations.

NAATBatt Membership Information. NAATBatt is taking applications for membership from well qualified industry participants and supporters. Membership in NAATBatt is a great way to keep abreast of developments in advanced technology batteries and to support the growth of a market for products that could change the world. Your support for NAATBatt programs, newsletters, and committees is essential to the success of our organization and our industry. To inquire about membership, please complete the following inquiry form: <http://naatbatt.org/membership-inquiry/>. NAATBatt will respond with additional information about membership.

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- ***Battery Power 2011:*** Battery Power 2011 will be held on **September 20-21, 2011** in Nashville, Tennessee. The show will highlight the latest capabilities, design issues, trends and market forecasts in batteries and battery-powered products and systems. The conference Web site can be viewed at: http://www.batterypoweronline.com/bppt-conf11/bp11_index.php.
 - ***4th International EV Battery Tech USA: Global Cost Reduction Initiative:*** EV Battery Tech USA will be held on **September 21-22, 2011**, in Troy, Michigan. The leading automotive OEM's will attend the conference and discuss how to reduce the cost of EV batteries by specifically

evaluating near-term advances in energy density, battery life extension, preventative methods for cell degradation and failure, battery safety improvement and testing. NAATBatt is a supporting organization of the conference and NAATBatt members are entitled to a 15% discount on registration. The conference Web site may be viewed at: <http://www.ev-battery-tech.com/>.

- **Utility Scale Flexible Power Summit:** The Utility Scale Flexible Power Summit will be held on **September 27-28, 2011** in Denver, Colorado. The utility power conference will examine issues currently limiting optimal generation and transmission flexibility, as well as exploring the potential of future storage and financing options. Information about the Summit can be found at: <http://www.greenpowerconferences.com/EF/?sSubSystem=Prospectus&sEventCode=RE1109US&sSessionID=5151b42fadaadaeda7c8206f42773de2-4205310>.
- **Developing Grid Storage Projects:** Infocast will produce the Developing Grid Storage Projects conference in Dallas, Texas on **October 5-6, 2011**. The conference will discuss the regulatory drivers and business models for grid storage projects in the United States. NAATBatt will be a supporting organization of the conference.
- **The Business of Plugging In:** The Center for Automotive Research will host The Business of Plugging In conference at the Hyatt Regency in Dearborn, Michigan on **October 11-13, 2011**. The conference will examine the challenges of moving EV's from early adoption to mass market acceptance and will feature a ride-and-drive event highlighting the newest EV's. More information can be found at: www.bpiconference.com.
- **EESAT 2011:** The biannual international Electrical Energy Storage Applications and Technologies conference (EESAT) will be held at the San Diego Marriott Hotel and Marina in San Diego, California on **October 16-19, 2011**. The conference will highlight specific electrical energy storage applications and technologies, especially as they relate to the electricity grid. More information about EESAT 2011 can be found at: <http://www.sandia.gov/eesat/index.html>.
- **The Battery Show:** The Battery Show conference and exposition will be held in Novi, Michigan on **October 25-27, 2011**. The Battery Show is North America's largest free to attend exhibition for advanced batteries. The exhibition showcases the latest battery technologies and solutions, ranging from electric vehicle applications to raw material suppliers. Its two-track business and technology conference examines battery market development and opportunities, including how technical advances are likely to impact performance, safety and cost. For more information on The Battery Show or to register, visit www.thebatteryshow.com.
- **Lithium Battery Power:** Knowledge Foundation will host the 7th Annual International Conference on Lithium Battery Power on **November 7-8, 2011** in Las Vegas, Nevada. The conference will examine advances in lithium-ion battery technology. The conference Web site can be accessed at: http://www.knowledgefoundation.com/viewevents.php?event_id=254&act=evt
- **7th Lithium Mobile Power Conference:** Knowledge Foundation will host the 7th Lithium Mobile Power Conference on **November 7-8, 2011** in Las Vegas, Nevada immediately following the battery safety conference. The conference will provide a general survey of the lithium-ion battery industry. The conference Web site can be accessed at: http://www.knowledgefoundation.com/viewevents.php?event_id=254&act=evt.
- **2nd Battery Safety Conference:** Knowledge Foundation will host the 2nd Battery Safety Conference on **November 9-10, 2011** in Las Vegas, Nevada. The conference will discuss safety

incidents and product recalls regarding lithium-ion batteries. The conference Web site can be accessed at: http://www.knowledgefoundation.com/viewevents.php?event_id=253&act=evt

- **1st North American & Asian Lithium-Ion Technology Conference:** The North American & Asian Lithium-Ion Technology Conference will be held on **January 12, 2012** at the University of Nevada Las Vegas in Las Vegas, Nevada. The conference is co-sponsored by UNLV and an affiliate of the Lion Battery Industry Association of South China. More information about the conference can be found at: <http://lbiana.org/industry-events/>
- **International Battery Association – Pacific Power Source Symposium Joint Meeting 2012:** The 2012 meeting of the International Battery Association and Pacific Power Source Symposium will be held on **January 9-13, 2012** at the Hilton Waikoloa Village in Hawaii. Information about the program may be viewed at: <http://www.soest.hawaii.edu/PPSS/index.htm>.
- **2012 International Advanced Automotive Battery Conference:** The 2012 International Advanced Automotive Battery Conference (AABC) will be held on **February 6-10, 2012** in Orlando, Florida. The program will feature five days of intensive meetings, symposia and tutorials. Information about the program can be found at: <http://www.advancedautobat.com/>.
- **International Electric Vehicle Symposium:** The Electric Drive Transportation Association will produce the 26th international Electric Vehicle Symposium and exposition (EVS26) on **May 6-9, 2012** in Los Angeles, California. Information about EVS26 can be found at www.EVS26.org.
- **IEEE PES Transmission and Distribution Conference and Exposition:** The IEEE PES Transmission and Distribution Conference will be held in Orlando, Florida on **May 7-10, 2012**. The conference will focus on innovation in power delivery systems, including storage systems. Information about the conference can be viewed at: <http://www.ieceet-d.org/>.
- **5th Symposium on Energy Storage: Beyond Lithium Ion:** The 5th Symposium on Energy Storage: Beyond Lithium Ion will be held in Berkeley, California on June 5-7, 2012. The Symposium will focus on next generation battery technologies, such as silicon anode technology, lithium sulfur batteries and lithium air. More information can be found at: <http://bestar.lbl.gov/bl5/program/>.



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