



ELECTRIC VEHICLE ASSOCIATION OF SAN DIEGO (EVAOSD)

An affiliate of the ELECTRIC AUTO ASSOCIATION (EAA), 2031 Ladera Ct., Carlsbad CA 92009 Ph: 760.753.2949

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Regular Meetings: 4th Tuesday of every month (January thru November), at 7:00 pm,
Location: San Diego Regional Transportation Center, at the corner of I-15 and El Cajon Blvd.
Place: In the Autotorium
Next Meeting: Tuesday, November 23, 2004 @ 7 p.m.
1st Subject: Canadus Power Systems www.canadus.com
1st Speaker: Cathy Walters-Gillick
2nd Subject: Life on Oxygen Electric Transporters
2nd Speaker: Dan Wolfson and Dave Cultter.

The President's Message

As I start preparing for our November meeting and our last newsletter of the year, I am thankful for all of the help and support that has been given to EVAOSD during the year. 2004 has been a very good year in a time where less production EV have been available. Our membership has grown and we have been able to have interesting programs. On behalf of the EVAOSD Officers I would like to thank each of you for your membership, participation and all of the assistance that we have received.

For our October meeting we had two meetings in one, again. We were honored to have Dr. Jim Burns, Associate Professor of Mechanical Engineering, associates and students from SDSU to discuss their participation in a national competition sponsored by GM to develop the SUV of the future as their part of the Challenge-X. Also Kevin Taylor was able to show a video during the California Fuel Cell Partnership Road Rally that was in San Diego on September 19, 2004.

We also heard from Paul Worlie about a San Diego City Council Meeting to discuss the use of Segway HT.

During our last meeting we discussed our expenses and cash flow. The majority of our expense is for printing and postage for our newsletter. In an effort to reduce our cost our Webmaster Russ Lemon is going to start putting the EVAOSD Newsletter on our website in an effort to reduce the amount of mailing. We understand that some of our members do not have e-mail access and we will continue to have a need to mail some newsletters. Also as a fund raiser we started having a 50/50 raffle. October's winner was Dave Cultter.

I look forward to seeing you at our last meeting of the year on Tuesday, November 23, 2004 @ 7p.m. The meeting will be at the RTC (Regional Transportation Center), in the Autotorium located on the southeast corner of Interstate 15 & El Cajon Blvd.

Bill Hammons, President EVAoSD

The EV Grin

"EV'ers know about the grin that someone has just after driving an EV." Here are some notes for the San Diego EV Community.

Calendar of Events

11/23 EVAoSD Meeting
Final meeting for 2004

12/2 CALSTART 2020
Conference in L.A.

1/25 EVAOSD Meeting
First meeting for 2005

2/22 EVAOSD Meeting

2/22-24 Clean Heavy
Duty Vehicle Conf.
La Quinta, CA

3/8-10 Global Alternative
Fuels '05 Expo & Forum
Berlin

3/22 EVAOSD Meeting

4/2-6 EVS 21 Monaco

4/17 EarthFair 2005
San Diego, CA

4/26 EVAOSD Meeting

5/1-4 11th Nat'l Clean
Cities Conf. & Expo.

Palm Springs, CA

5/15-18 Windpower '05
Conference & Expo.
Denver, CO

5/24 EVAOSD Meeting

Special Thanks to our members that renewed recently...

Chris Phillips, Michael Kaplan and Homer Steuck have renewed their membership in support of EVAOSD. We also received donations from Stan Bell & Bruce McCandless.

Earth Fair 2005...

April 17, 2005 our annual EarthFair in Balboa Park is the largest free annual environmental fair in the world. EarthFair 2005 will be our 16th

anniversary. Each year, the EarthFair draws around 60,000 visitors.

Produced entirely by volunteers, EarthFair features more than 200 exhibitors, special Health and Technology theme areas, a Food Pavilion, a special Kids' Area, five entertainment venues, and a Children's Earth Parade (*All Species Welcome*).

www.EarthDayWeb.org or call 858-272-7370

Addition to our EVAOSD library... "End of Suburbia"

Russ Lemon has provided a copy of this

documentary for our members to view. www.endofsuburbia.com. For more information contact our librarian Kevin Taylor.

A Holiday Wish...

I wish you the best for this season of lights.

A time that is precious and full of delights,

With joy that extends past the month and the year,

With all whom you love being happy and near.



Guiding Transitions:

11th National Clean Cities Conference and Expo

Palm Springs, California

May 1-4, 2005

hosted by Clean Cities Coachella Valley Region

Taking Turns ‘ - - -, _ _ _ Messages from our members . . .

Larry Emerson reports... FedEx Express Hybrids Roll Into New York

New York - FedEx Express, a subsidiary of FedEx Corp. yesterday announced it had placed into service ten low-emission, hybrid electric delivery vehicles in New York City just in time for its holiday peak season. The FedEx OptiFleet E700 hybrid electric vehicles began delivering packages on routes in the New York metropolitan area following an agreement with New York State Energy Research and Development Authority (NYSERDA) to demonstrate the viability of lower-emission hybrid powertrains in heavy-duty vehicles. The project began four years ago when Environmental Defense, an organization recognized for its work with industry leaders to create environmental and business innovations, approached FedEx Express about working together to create the next generation delivery vehicle. The New York City Department of Transportation, which works closely with NYSERDA, also played a pivotal role in making hybrid vehicles possible in New York. The New York launch is a joint initiative with Environmental Defense, Eaton Corporation (NYSE: ETN) and NYSERDA. "New York City is a dynamic economy with many trucks on its streets essential to keep commerce moving, so it is important that we continue to develop innovative solutions to reduce vehicle emissions," said John Formisano, Vice President of Global Vehicles, FedEx Express. "Today's roll-out not only represents one-half of FedEx's total commitment for these vehicles this year, but is also a positive step in our commitment to effective environmental management as a global corporate priority and in the local communities we serve." NYSERDA awarded federal NYCDOT Congestion Mitigation and Air Quality funds to FedEx Express to support the placement of the FedEx OptiFleet E700 hybrid electric vehicle in New York. Cleveland, Ohio-based Eaton Corporation, one of the world's most recognized industrial manufacturers, produced the hybrid electric powertrain for the vehicle. For more information, visit www.fedex.com and www.eaton.com. -

2004-10-21 International Says Ready to Produce Hybrids in '06

Kalamazo, Mich. - International Truck and Engine Corporation has become the first major truck maker to announce that it will be ready to commercially produce medium-duty hybrid work trucks in 2006, if customer demand continues to grow. Jim Williams, International's director of sales and distribution for new products, made the announcement at the Hybrid Truck Users Forum (HTUF) National Meeting in Kalamazoo, Michigan. International is already preparing to fully integrate hybrid drivelines into their truck chassis on their assembly line in Springfield, Ohio as part of a pre-production program for utility hybrid trucks and other efforts. International plans for pre-production to occur in 2005, leading to limited commercial production in 2006. -

Fuel Cell Technology Update – November 2004

For more information on the following stories, click on the provided link, contact Jennifer Gangi at jennifer@fuelcells.org or call (202) 785-4222, ext. 17.

TRANSPORTATION APPLICATIONS

Quantum Ships First Fuel Cell Vehicle to U.S. Army.

Quantum Fuel Systems Technologies Worldwide, Inc., (QTWW) and the U.S. Army TARDEC's NAC (Tank-Automotive Research, Development and Engineering Center's National Automotive Center) unveiled a high performance, fuel cell off-road vehicle, the "Quantum AMV™" (Alternative Mobility Vehicle), nicknamed the "Aggressor." The vehicle is designed and manufactured by Quantum for the U.S. Army under contract with the NAC.

http://www.qtww.com/press_releases/pr_oct_25_2004.shtml

Michelin, PSI Introduce New Fuel Cell Vehicle.

Michelin and the Paul Scherrer Institute (PSI) have built a new fuel cell vehicle. The "Hy-Light" prototype exhibits 102 horsepower as well as a range of 400 kilometers (300 miles).

<http://www.spacedaily.com/2004/041013162041.jqt2rsb8.html>

German Scientists Equip Vehicle with DMFC.

Scientists from Research Centre Jülich have equipped a commercial electric vehicle with a direct methanol fuel cell (DMFC). The new vehicle is known as "JuMOVE" and has successfully completed road trials.

<http://www.fz-juelich.de/portal/index.php?index=281&cmd=show&mid=240>

Ford Introduces Hydrogen-Powered Cars, Bus.

Ford has introduced the H²RV, which combines an internal combustion engine powered by hydrogen, boosted by a supercharger, with a Ford patented Modular Hybrid Transmission System (MHTS). Two H²RV vehicles, based upon the Ford Focus wagon, are now on the streets of southeastern Michigan, generating thousands of real-world miles. Ford also introduced a new shuttle bus with a hydrogen internal combustion engine (H₂ICE) that boasts a 99-percent reduction in carbon dioxide (CO₂) emissions. The new vehicle features a Ford E-450 chassis cab paired with a shuttle bus body and a 6.8-liter Triton V-10 engine fueled with hydrogen. The H₂ICE E-450 seats up to 12 passengers and is equipped with a 25-gallon equivalent, 5,000-pound-per-square-inch hydrogen fuel tank. The vehicle is expected to have a range of up to 150 miles, depending on conditions and vehicle load.

http://media.ford.com/newsroom/release_display.cfm?release=19385

GM, SAIC to Develop Fuel Cell, Hybrid Vehicles in China.

General Motors Corporation (GM) has signed a joint agreement with Shanghai Automotive Industry Corporation (SAIC) to pursue the development and commercialization of fuel cell and hybrid electric vehicles in China, including a two-year demonstration project based on GM's HydroGen3 fuel cell vehicle.

<http://media.gm.com/servlet/GatewayServlet?target=http://image.emerald.gm.com/gmnews/viewmonthlyreleasedetail.do?domain=74&docid=9047>

Volkswagen, Tongji University and IAV to Develop Fuel Cell Vehicles in China.

Volkswagen AG has signed an agreement with Tongji University and German engineering company IAV to develop fuel cell vehicles in China. Volkswagen will provide the body and Tongji will contribute fuel cells and high-power batteries.

<http://quote.bloomberg.com/apps/news?pid=10000085&sid=amg64NqzBdU&refer=europe>

Parker and Vectrix Unveil Second Generation Scooter; Parker Makes Equity Investment in Vectrix.

Parker Hannifin Corporation and Vectrix Corporation unveiled the second generation of the VX-Fce fuel cell/electric hybrid scooter, which integrates a fuel cell system with a battery-powered electric scooter, at the 2004 Fuel Cell Seminar. The scooter is expected to be launched in major cities throughout Europe and the United States in the next two to three years, making it the first commercially viable fuel cell powered vehicle. In other news, Parker announced it is also making an equity investment in Vectrix Corporation, to help begin production of the scooter.

<http://phx.corporate-ir.net/phoenix.zhtml?c=97464&p=irol-newsArticle&ID=640436&highlight=>



DaimlerChrysler and Honda to Play Lead Sponsorship Roles and Display Vehicles at CALSTART's "2020" Conference!



DaimlerChrysler and Honda Motor Company will play lead sponsorship roles and display multiple vehicles, all of which illustrate each company's respective strategies to reduce petroleum consumption, inside the conference hall at CALSTART's 2020: California's Transportation Energy Future conference on December 2nd in downtown L. A.



These companies produce vehicles that have the technologies that can help California meet its "2020" goals of 15% reduced petroleum consumption and 20% increased use of alternative fuels in on-road vehicles by the year 2020. For instance, DaimlerChrysler's **Jeep Liberty clean-diesel** and Honda's **Accord Hybrid** both obtain over 30% better fuel economy than their gasoline only counterparts. DaimlerChrysler's **Global Electric Motorcars (GEM)**, which is powered by batteries, and Honda's compressed natural gas powered **Civic GX**, which can be refueled at home, both eliminate petroleum consumption and the need to refuel at gas stations. Furthermore, Mercedes' fuel cell **A-class "F-Cell"** and Honda's **FCX** are powered by hydrogen fuel cells, which have the potential to reduce the state's petroleum consumption in the future.

These two companies join the impressive list of organizations sponsoring this event, including the other top-level sponsor **Southern California Edison**. Additional sponsors are Toyota, Bosch, the South Coast Air Quality Management District, Clean Energy, Sempra Energy, Fed Ex Express, Pacific Gas and Electric, the California Air Resources Board, and the California Energy Commission. By supporting this event, these innovative companies are expressing their interest in moving California towards an advanced and efficient transportation future.

CALSTART's "2020" conference will be a dynamic gathering of distinguished policy makers, politicians, advocates, academics, industry representatives, and others to explore the various needs, technologies, and methods for achieving California's "2020" goals. Due to take place in the spectacular Pacific Ballroom of the Wilshire Grand Hotel, this conference will be a unique forum to draw attention to this goal that was recommended by the California Air Resources Board and California Energy Commission as well as spark discussion on California's transportation energy future. CALSTART will use the occasion to host its prestigious "Blue Sky" Awards luncheon at which the 2004 winners will be presented. These awards recognize outstanding efforts to address state, national, and international clean air goals.

Don't miss this opportunity to become part of the solution! **Early registration expires November 19th!** Visit <http://www.California2020.com> or contact Monica Alcaraz at (626) 744-5655 for more information.

Location: The Wilshire Grand Hotel, 930 Wilshire Boulevard, Downtown Los Angeles, CA

Date: December 2, 2004 **Time:** 8:30- 4:30

Download the invitation

at: http://www.calstart.org/programs/ca2020/CALIFORNIA_2020_Invite_2004.pdf

Register online at: http://www.calstart.org/programs/ca2020/ca2020reg_form.php

Download the registration form at:

http://www.calstart.org/programs/ca2020/CA_2020_Registration_Information.pdf

EVAOSD Newsletter

Monthly, 6-10 pages, covering San Diego County and Southern California
Subscription rates: \$12.50 per year (\$15 foreign, via sea mail)

EAA Current Events

Monthly newsletter of the Electric Auto Association
Subscription rates: \$39 per year (\$45 foreign), includes a subscription to the EVAOSD Newsletter. Please send directly to EAA using form found at membership@eaaev.org

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 PROVIDE ALL INFORMATION AS YOU WANT IT TO APPEAR FOR MAILING

(Please print clearly.)

Name _____
First name Middle Last

Title (optional) _____

Company (optional) _____

Address 1 _____

Address 2 _____

City _____ State _____ Zip _____

Home Phone (optional) (_____) _____ - _____

Work Phone (optional) (_____) _____ - _____

Cell Phone (optional) (_____) _____ - _____

Email address _____

Please make check or money order payable to: EVAOSD.
Send this form and payment to: Russ Lemon, EVAOSD Treasurer.



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