

EV Inventions: REDCloud and SOU test monitoring system on electric Ford Ranger

REDCloud and Southern Oregon University showed off their electric Ford Ranger May 19 at the Student Union courtyard in Ashland. Some 50 people stopped by the red pickup to look at the electric motor under the hood and the battery management system in the pickup bed. Patrick Box of REDCloud showed visitors the 48 cells installed by REDCloud founder Melissa Brandao. "This electric converted truck is ready for freeway driving," Brandao said.



REDCloud Founder Melissa Brandao and Southern Oregon University Fleet Manager Drew Gilliland showcase the electric Ford Ranger.

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CNG-powered vehicles featured at fleet managers conference June 29



The June 29 speaker list: Charles Longmire, City of Medford, Garry Penning, Rogue Disposal and Recycling, Tim D'Alessandro, RVTD, Mike James, Jackson County, Matt Samitore, City of Central Point, Kathleen Fritz, GSA, Kris Ransom, Avista, Mike Montero, RV Clean Cities.

Rogue Valley Clean Cities Coalition will sponsor a fleet managers conference June 29 to discuss compressed natural gas fleet opportunities and challenges. Charles Longmire will talk about the City of Medford's CNG street sweeper and Garry Penning will explain Rogue Disposal's plans for CNG waste trucks. The 3-hour conference begins at 10 am Wednesday, June 29, at the Jackson County Auditorium, 200 Antelope Road, White City, Oregon. There will be a demonstration of alternative fuel vehicles in the parking lot including street sweepers, a bus, a waste truck, pickups and hybrids. The free event is open to the public; lunch will be provided. Please RSVP by 5 pm June 27, 541-779-0569 or melissa@roguevalleycleancities.org.

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“It goes from 0 to 60 mph in 20 seconds.” SOU fleet manager Drew Gilliland may test the Ranger’s fortitude by driving it to campuses around the state this summer to encourage alternative fuel use in the higher education system. If the initial project is successful, SOU may convert more vehicles in the fleet.

The Specifications: The converted electric pickup has a 19.9 kilowatt per hour lithium battery pack. It runs through a 600 amp DC controller built into REDCloud’s ExBox and SwapBox systems. REDCloud will use the pickup to test its data telemetry system developed in conjunction with Oregon Institute of Technology. SOU staff will charge the Ranger using a Level 2 charging station installed on the SOU campus by Shorepower Technologies of Portland. The Ranger will charge in 4 to 6 hours using a universal connection called J1772.

EV Visitors: Fred Baumgartner, SOU print shop manager, stopped by the Student Union courtyard to look under the hood of the Ford Ranger. “I’ve been interested in electric motors a long time after converting my drift boat motor to electric many years ago,” he said. Ashland brothers Michael Cox, 15, and Karter Cox, 12, attended the event with their dad. Would they consider driving an alternative fuel vehicle? “Yes, I would drive one to work someday if it could travel fast enough to be on the freeway.” Christy West attended the event to help with her research on electric charging station sites for the City of Medford. Michael Grubbs, Building Official for the City of Ashland, stopped by to learn more about the REDCloud monitoring system. Both West and Grubbs worked with REDCloud and Rogue Valley Clean Cities Coalition last November to sponsor the Zero Race stopover in Medford.

Event Sponsors: REDCloud is a private company that converts gas-powered pickups to electric and provides the on-board REDCloud data telemetry for remote management and diagnostics of the vehicle. The company has offices in Ashland and Portland. The May 19 event was co-sponsored by Southern Oregon University and Rogue Valley Clean Cities Coalition, in conjunction with Oregon Institute of Technology. Visit the REDCloud website <http://www.redcloudev.com/>

— By Melissa Stiles, Rogue Valley Clean Cities Coalition



Brothers Michael, 15, and Karter, 12, admired the Ford Ranger.



Television reporters attending the event included Jim McCoy and Steve Johnson of The Dove Channel 44 and Steven Sandberg of KDRV Channel 12.



Patrick Box of REDCloud holds the J1772 connector. SOU staff will charge the Ford Ranger by connecting the J1772 to the charging station set up at the public works shop. However if they drive to a location that does not have a charging station, they can plug the Ranger into a standard household outlet (120 volts).

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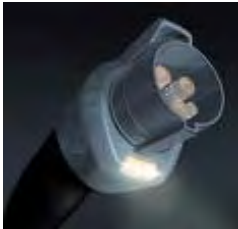
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Alternative Fuel Summer Events

Electric Vehicles Standards Panel Hosts First Plenary June 20-21 in Detroit: The first plenary meeting of the ANSI Electric Vehicles Standards Panel (EVSP) will take place June 20-21 at the Atheneum Suites Hotel in Detroit. The purpose of the meeting is to initiate work on a strategic road-map identifying standards and conformity assessment programs needed to enable the widespread acceptance and deployment of electric vehicles and associated infrastructure in the United States. Representatives of government agencies, utilities, the automotive industry, trade associations and schools or colleges are invited. Thirty-nine public and private sector organizations have joined the

RSVP to evsp@ansi.org and find more information at www.ansi.org/evsp.

EVSP initiative including: Alliance of Automobile Manufacturers, Association of Global Automakers, ATIS, Audi AG, Better Place, California Public Utilities Commission, Con Edison, Corning Inc, CSA America, Duke Energy, Eaton, Edison Electric Institute, Electric Power Research Institute, General Electric, Green Dot (Transportation) Inc, IEEE, International Association of Electrical Inspectors, International Code Council, Intertek, ITT Interconnect Solutions, Mercedes-Benz USA, National Electrical Contractors Association, National Electrical Manufacturers Association, National Fire Protection Association, National Institute of Standards and Technology, Rocky Mountain Institute, SAE International, Schneider Electric, SEW-Eurodrive, Siemens, Sony Electronics, Inc., Southern California Edison, Southern Company, TDI Power, Underwriters Laboratories, Inc., U.S. Department of Energy, Virginia Tech Transportation Institute. The American National Standards Institute (ANSI) is a private non-profit organization whose mission is to enhance U. S. global competitiveness and the American quality of life by promoting, facilitating, and safeguarding the integrity of the voluntary standardization and conformity assessment system.



Nissan Leaf Owners Will Demonstrate All-Electric Vehicles: The Rogue Valley Clean Cities Coalition Board of Directors will host the Nissan Leaf owners of Southern Oregon at a board meeting in August. Justin Denley and others recently received their new, all-electric, four-door sedans. Shipments were delayed by the devastating earthquake in Japan. In August, Mr. Denley will bring his Leaf to a board meeting and talk about its performance. Watch for more information on the events page of our website, www.roguevalleycleancities.org



Training Course for Southern Oregon First Responders: Rogue Valley Clean Cities Coalition would like to help sponsor a course for firefighters, paramedics and other personnel who respond to accidents involving electric vehicles, propane or natural gas powered vehicles. and other emergencies. The course would be taught by a staff member from the National Alternative Fuels Training Consortium (NAFTC) sponsored by the University of West Virginia. For more information about the course, visit the website <http://www.naftc.wvu.edu/cleancitieslearningprogram>. If you are interested in this course, please send an email to Melissa Stiles, Rogue Valley Clean Cities Coalition, melissa@roguevalleycleancities.org, or call 541-779-0569.

