

**NC Alternative Fuels Consortium
Meeting November 27, 2007 - 1:30-3:30
State Energy Office
1830A Tillery Place, Raleigh, NC**

MEETING SUMMARY

In attendance: Anne Tazewell, NCSC/NCSU; Penny Perkins, NCDA & CS; Tobin Freid, Triangle Clean Cities; Scott Jennings, NCSU; Ron Allison, DOA MFM; Andy Watry, DHHS; John Yoxtheimer; Carolina Industrial Equip.; Ward Gaskins, Carolina Industrial Equip; Larry Lane; UNC-C; Don Sykes, DOA P & C; Ben Matthews; NC DPI; Ronnie Faison, Highway Patrol; Bruce Thompson, NCDOT; Kenneth Taylor, NCDENR; Craig Warren, NC DPI; Cathy Griner, DOA P&C; Jennifer Epperson, Govs office; Jason Nelson, NC Biotech Center; Timmothy Brooks, NC Dept of Corrections; Michael Williams, Dept of Corrections; Jim Westbrook, DOA P&C; Larry Shirely, SEO; Bryan Roy, NCSC/NCSU; Amy Hill, Ilderton Dodge; Jill Mongelli, GEM

Neighborhood Electric Vehicles (NEVs) : For the first time NEVs (low speed electric vehicles that can be charged in 110 volt outlets and can be operated on streets zoned up to 35 mph) are available on the state purchasing contract. Cathy Griner is the administrator for the NEV contract 070N. **E-ride** ~ John Yoxtheimer, Carolina Industrial Equipment and **Global Electric Motorcars** ~ Amy Hill, Ilderton Dodge/Chrysler & Jill Mongelli, GEM representatives spoke about their respective NEVs

Following is excerpted from contract at: <http://www.doa.state.nc.us/PandC/070n.pdf>

Contractor (Issue Order To)	Contact	Delivery (Calendar Days)	Service Truck Response Time
Carolina Industrial Equipment, Inc. Fed ID #56-2186428 4315 Taggart Rd. Charlotte, NC 28208	John Yoxtheimer mark@ciequipment.com 1-800-476-2434 Toll Free (704) 588-4522 Phone (704) 588-2592 Fax Manufacturer's Website: http://www.e-ride.com/	45-60 Days	1 to 2 Working Days
Ilderton Dodge, Chrysler, Jeep Fed ID #56-0274930 701 South Main St. High Point, NC 27260	Amy Hill Fleet Manager amyhill@ilderton.com (336) 822-8708 Phone (336) 887-4043 Fax Manufacturer's Website: www.gemcar.com	30-60 Days	2 Working Days

VEHICLE EQUIPMENT:

All units offered on this contract are equipped with the following equipment.
Hi/Low Beam Head Lamps Front Windshield Wipers

Stop Lamps Hard Doors
 Turn Signal Lamps Side Windows
 Tail Lamps Speedometer
 Side Reflectors Seat Belts
 Parking Brakes Solid Roof
 Rear View Mirrors Heater/Defroster
 Side Mirrors Dash Mounted Fan or Vented System
 Front and Rear Windshields Automotive Horn
 License Plate Bracket Dome Light
 12 Volt Accessory Power Outlet
 Battery Discharge Indicator

Term Contract 070N 6 CONTRACT ITEMS / PRICING:

Item	Item/Contractor	Price
1.	E-Ride Industries EXV2 Includes Side Stakes Contractor: Carolina Industrial Equipment	\$18,713.00
2.	GEM e2 Contractor: Ilderton Dodge, Chrysler, Jeep	\$10,887.00
3.	GEM e4 Contractor: Ilderton Dodge, Chrysler, Jeep	\$13,994.00
4.	GEM eS Contractor: Ilderton Dodge, Chrysler, Jeep	\$11,755.00
5.	GEM eL Includes Side Stakes Contractor: Ilderton Dodge, Chrysler, Jeep	\$13,180.00
6.	GEM eL XD Includes Side Stakes Contractor: Ilderton Dodge, Chrysler, Jeep	\$14,398.00

OPTION PRICING: All optional equipment may be purchased at a discount of 6% off MSRP.

Incorporating NEVs on Campus

Larry Lane, UNC Charlotte, spoke about the University's effort to replace gasoline utility carts and vehicles with NEVs. To date UNC Charlotte has incorporated 56 Low speed vehicles (LSVs) and NEVs. LSVs are not street legal, like NEVs but can be utilized on internal roads. In addition to the electric vehicles they also utilize LSVs that are E85 compatible flex fuel vehicles (FFVs) <http://www.tigertruck.com/flexfuel/index.html>.

The electric NEVs only cost 80 cents per day to charge/refuel. UNC-C estimates they are saving \$5,000 annually through reduced fuel costs and maintenance



(no oil changes) . The University has 3 charging sites- for Facilities, Maintenance, and Housekeeping. Vendors come to the campus to train mechanics on vehicles. This has been a very successful program and will continue to expand. Typical gasoline golf style utility carts are heavy polluters- providing emissions equal to multiple cars while NEVs offer zero tail pipe emissions. They are also typically charged during off –peak (low rate) hours. UNC-C is also in the process of installing an E85 pump for campus FFVs.

Petroleum Displacement Plan

Bryan Roy, NC Solar Center, gave an overview of the PDP FY 2006-07 progress report. (See attached.) The final report is being reviewed by the SEO and Governors Office before being sent to Joint Legislative Commission on Governmental Operations.

Bryan has been compiling a “Wright Express analysis on missed opportunities to use E85”, a document that MFM will soon start to distribute to FFVs leased vehicle operators to encourage refueling at nearby stations. For example in November a PDP reduction could have been achieved if organizations used 4,798 gallons of E85 in their flex-fueled vehicles from commercial service stations instead of using their Wright Express Card to purchase regular unleaded at public stations. This number includes all fill-ups within 3 miles of a commercial E85 station and half of the fill-ups within 6 miles of a commercial E85 station. This data does not include the missed opportunities to fill up with E85 at the MFM station on Blue Ridge Road.

A result of concerns that were raised at the Alt Fuels Consortium meeting about the limited hours the Blue Ridge Rd location was open for fueling ***MFM has recently announced that E85 is now available 24/7 at the Blue Ridge location.***

State Contract: Alt Fuels , Hybrids & FFVs

State Contract Biofuel Prices Sept-Oct: B20 (+3 cents), E10 (+2 cents), E85 (-45 cent Current: B20 (+5 cents), E10 (-1 cent), E85 (-48 cents)

A new contract for E10 will be in place soon. New contracts are expected to result in pricing E10 below the price of gasoline. To view current fuel prices on state contract visit:

<http://www.doa.state.nc.us/PandC/dynfuels/fuelcost.asp>

2008 Hybrids and FFVs on state contract:

Passenger Vehicles	Trucks	Vans/SUVs
Toyota Prius	Dodge Dakota (4WD, Ext Cab)	Chevy Uplander
Toyota Camry Hybrid	Ford F150 (6,000#)	Chevy Express
Ford Crown Vic (Law/Reg)	Chevy Silverado (6,400#)	Ford Escape Hybrid
Dodge Avenger (6-cyl)	International 4300 (23,500# Diesel)	Jeep Grand Cherokee
Chevy Impala (6-cyl)	Ford F750 (31,000# Diesel)	Dodge Durango
		Chevy Tahoe (Law/Reg)
		Chevy Suburban 1500

EPAct Credit Banking and Selling Program ~ The State is in the process of conducting trades of approximately 167 credits through 8 individual transactions. These trades will yield over \$160,000 for the expanded use of alternative fuels by the state fleet. As credit transactions are completed funds are deposited in the Alternative Fuel Revolving Fund held by the NC Dept of Administration. The first round of funding will go to expanding the state's access to E85 refueling. It is the use of E85 in state FFVs that will allow North Carolina to have excess EPAct credit to sell. Due to the closing of the state E85 pump downtown, the use of E85 has decreased in FY-07-08.

Announcements

CNG refueling infrastructure available from DENR – contact Anne.Galamb@ncmail.net
To learn more about CNG fast fill station to is available at no charge. This is a very nice station that can no longer be utilized by the State since the closing of the downtown fueling site.

Upcoming Meeting

State-EPA Symposium on Integrated Approaches for Energy Climate & Environment 2008 – Chapel Hill, January 7-10 Registration is FREE!
www.excelgov.org/sustainableresults

Next Alternative Fuels Consortium Meeting: January 29th 1:30-3:30