



Triad Mobile CARE Partnership
Piedmont Triad Council of Governments
July 23, 2009

Meeting Summary

In attendance: Edward Gillespie, Lincoln Energy Systems; Lorelei Elkins, Triad Air Awareness; Jack Martin, Triad Electric Auto Assoc; Ralph Cox, Winston Salem State Univ; Dick Kabis, WSSU; John O'Brien, Berico Fuels, Inc; Doug Canavello, Pyramid Environmental; Matt Jenkins, Southern Pump & Tank; Lee DuVall, Guilford Tech Comm College; Lawrence Egerton, Attorney; David Elliott, Davidson County; Dandy Barfoot, City of Winston Salem; Roger Jones, City of Lexington, Rick Comer, City of Lexington; Peter Kauber, Guilford Solar; Gary Sink, Red Birch Energy; Hoyte Phifer, UNC Greensboro; Valerie Vickers, CSC Enc Stewardship Greensboro; Glenn Morris; Bonnie Clark, Bonzoni, Inc; Rick Beavvan, White International Trucks; Billy Fleekenstein, White's Intl. Trucks; Doug Merritt, City of Greensboro; Steve Simpson, City of Greensboro, Linda Egerton, Jesse Day, Piedmont Triad COG, Ginger Booker, PTCOG; Anne Tazewell, NCSC

Apex Oil Biodiesel Terminal *Larry Altmansberger, Apex Oil (via conference call)*

Apex Oil operates 120 terminals including 2 in North Carolina- in Wilmington and Greensboro. The Greensboro facility at 6900 West Market Street offers biodiesel blended fuels such as B5, B10, B20, B50 etc. Currently Apex Oil is blending biodiesel produced from beef tallow manufactured at the Future Fuel Chemical Company plant, a BQ 9000 certified facility Apex owns in Batesville AK.
<http://www.futurefuelcorporation.com/biobased.html>. Because transportation costs are so high, Apex Oil would like to market biodiesel produced within 100 miles of the Greensboro terminal. See start of Anne Tazewell presentation under July 23 meeting at <http://www.engr.ncsu.edu/ncsc/transportation/meetings.htm> for photos of Greensboro facility which was partially funded through the Clean Fuel Advanced Technology project administered by the NC Solar Center (NCSC). For more biodiesel information contact Larry Altmansberger at laltmansberger@apexoil.com or 314-889-9678

Triad Ethanol Opportunities *Ed Gillespie, Lincoln Energy Solutions*

Ed spoke on behalf of Greenville, SC based Lincoln Energy Solutions about new in-line ethanol blending at Swing Rd rail siding terminal in Greensboro. They are scheduled to move about 100 rail cars of ethanol in the month of August to be utilized in by Exxon, BP and CITGO. The NCSC is working with Ed and other marketers to develop an E85 refueling station in the Greensboro area. Contact Ed Gillespie at edward.gillespie@yahoo.com or 336-404-7508.

Exhaust Fluid Dispensing System *Matt Jenkins, VP of Business Development Southern Pump and Tank Company*

January 2010 EPA regulations will require significant NOx reductions in diesel. One of the primary technologies to achieve near zero NOx emission is selective catalytic reduction (SCR), an aftermarket treatment that converts pollutants into harmless exhaust stream while increasing fuel economy 3-5%. Diesel Exhaust fluid (DEF) is the key to SCR success. DEF is composed 67.5 % H2O and 32.5 % urea. SPATCO has developed new

storage system for DEF. See following link for detailed paper on DEF Handling, Storage and Dispensing http://www.brenntagdef.com/en/downloads/Successful_Urea_Diesel_Exhaust_Fluid_Handling_Storage_and_Dispensing.pdf and visit www.cleantransportation.org under Meeting for July 23 presentation by Matt. Matt can be reached at matt.jenkins@spatco.com or 704-506-9220

CNG City of Lexington Experience *Rick Comer, City of Lexington. Director of Public Works*
 With a population of approximately 25,000 City of Lexington operates their own gas utility and is located between Greensboro and Salisbury in Davidson County. City was awarded DOT CMAQ funds for a small \$7,900 “time fill” CNG station which was installed by Piedmont Natural Gas and is utilizing this station and a “fast fill” station built by Davidson county to fill Honda Civic GX (dedicated natural gas vehicle), City has found the GX to offer lower operating costs (natural gas is significantly less expensive) and is a good marketing tool. Visit www.cleantransportation.org under Meeting for July 23 presentations by Rick. Rick can be reached at rick@lexingtonnc.net or 336-248-3930

Review of DOE Blue Skies proposal, Upcoming Funding Opportunities *Anne Tazewell, NC Solar Center/NCSU*

Triangle Clean Cities/Triangle J Council of Governments submitted a proposal to the U.S. Dept of Energy for \$14.2 M for a bi-state (NC & SC) for alternative fuel vehicles and refueling infrastructure. Awards are expected in October. If successful, TJCOG will subcontract with the NCSC for education and outreach and to implement the following partner projects:

Project Partner	Project Description	Total Cost	Grant Request	In-Kind	Capital Cost Sharing
Winston-Salem	5 Tiger Truck/ Equivalent NEV's	\$244,600	\$80,000	\$4,600	\$160,000
	1 International Dura Star Hybrid Bucket Truck				
Pike Electric	2 International 7300 4x4 hybrid bucket trucks	\$456,000	\$150,000	\$6,000	\$300,000
City of Greensboro	Purchase 2 CNG refuse trucks and new CNG station, 10 light-duty hybrid vehicles	\$865,657	\$302,000		\$563,657
City of Eden	12 CNG vehicles and CNG refueling	\$373,630	\$355,000	\$18,630	Included in in-kind
City of Rocky Mount	2 CNG refuse haulers and refurbish/replace CNG station	\$650,000	\$325,000	Included	\$325,000
Guilford County	10 Toyota Prius Hybrids	\$111,828	\$10,000	Included	\$101,828
	Total	\$2,589,887	\$1,222,000	\$29,230	\$1,450,485

The State Energy Office is expected to announce a call for projects for Alternative Fuel & Renewable Energy Innovations Program (incremental costs of AFVs, refueling infrastructure, of biofuels etc)
 ~ \$1.75-\$3.25 M in funding will be available
 ~ call for project expected in 4-6 weeks
 ~open to public and private entities
 ~ \$200,000 maximum award
 ~ Collaborations encouraged

The NCSC has been awarded \$1.2M from the NC Dept of Transportation and State Energy Office for a 2010-2012 Clean Fuel Advanced Technology project. A call for projects is expected in early 2010 with

approximately \$850,000 to be available for the purchase of AFVs, refueling, diesel retrofits, idle reduction technologies and vehicle share projects. See Anne Tazewell presentation referenced above.

Announcements

- **Altech Eco Certification for CNG Bi-fuel and Dedicated Ford Focus**
<http://www.transecenergy.com/pages/FordFocus.htm>
- *Electric Transportation, Charting a Course*, Durham NC July 28 1:00-4:00 See video and power point presentations of this meeting at:
<http://online.ncsu.edu/Mediasite/Viewer/?peid=16e8b94ab81d460facc35845738e8cdf> Once one has clicked to play the presentation, there are four icons above the video window. The fourth icon looks like a paper click or a chain link. This icon, when clicked, will provide links agenda, Electric Vehicle factsheet, and other meeting handouts.
- **Aug 11, 2009** Clean Burn ethanol plant tours, Raeford NC (Hooke Co 15 mi SE of Fayetteville) plant is 70% complete and is expected to produce 5-6 mg of ethanol when complete.
http://cleanburnfuels.com/about_us.html
- **August 26 ~ Propane Road Show**, NC Fairgrounds, Raleigh Jayne Simpkins, NCPA (919) 787-8485; Kathy Boyer 919-558-9400 <http://www.propaneroadshows.com>
- **Oct 2-4 ~ SE Southern Electric Vehicle Expo** Contact bill@landofsky.org