

NC Mobile CARE Partners Meeting
Wilson Community College/ June 18, 2008 10:00-12:00

MEETING SUMMARY

In attendance: Bob Arrington, Wilson Electricity-Gas; Eric Evans, Edgecombe County; Stephanie Goglia NRCS; Greg Goddard, UCP COG; Zach Hamm, Triangle Biofuels; Andy Holland, City of Rocky Mount; Bob League, City of Rocky Mount; Phil Lechworth, Wilson County Schools; Rodger Lentz, City of Wilson; Wyatt McGhee Upper Coastal Plain COG; Donnie Page, City of Wilson; Gregory Potts, Triangle Biofuels; Joseph O'Neill, NC SC, Jimmy Price Edgecombe County, Rusty Stevens, Wilson CC; Clarence Shaw, City of Rocky Mount; Anne Tazewell, NCSC; Bobby Williamson, Rock Ridge Farms; Charles Young, Fort Bragg

Welcome- Dr Rusty Stephens, President Wilson Community College

- Wilson CC committed to sustainability- taking into consideration the needs of future generation in making decisions today.
- In process of building a new LEED (Leadership in Energy and Environmental Design) building which will use ½ the energy of a typical building today
- Renewable energy technology is rapidly becoming more efficient- when WCC began considering solar photo voltaic panels were 13.5% efficient, now 18 months later they are 18.5% efficient
- Globally we are in the midst of “ peak oil” and consuming oil at a far faster rate than new oil is being discovered. With existing well 60% of the oil is depleted within 40% of its life

Around the Region- Greg Godard, Executive Director Up Coastal Plain Council of Govt's

- UCP COG represents 42 local governments in Edgecombe, Halifax, Nash, Northampton and Wilson counties <http://www.ucpcog.org/index.php?page=231>
- Believe that the public sector can lead by example
- UCP COG and Wilson CC are planning an energy summit this fall for regional decision makers

Regional Updates- Introductions of meeting attendees

- Wilson Schools operate 135 buses, exploring funding for an additional tank to begin using biodiesel
- Fayetteville Public Works has begun using B20 in all vehicles and back up generators
- Rock Ridge Farms (Wilson County) is using B20 upwards of 2,500 gallons of B20 per week
- Triangle Biofuels is producing Biodiesel in Wilson using waste vegetable oil collected from Triangle area residents. Their facility can produce upwards of 1 M/G/Y <http://www.trianglebiofuels.com/index.php>. Will distribute through Wilson Brown Petroleum and in the process of B20 blend “ Biopower”- a premium diesel blend. Will provide B20 at three Wilson retail stations on Nash St, Ward Blvd and Rt 42. Currently wholesaling B100 at \$4.40 per gallon for on-road, \$3.80 for off –road. Have provided 8 customers with home refueling (500 gallon storage and dispenser) which is eligible for up to a \$1,000 federal income tax credit. Triangle Biofuels is currently operating 8 of their own vehicles on B100
- City of Rocky Mount stopped using CNG 4 years ago- had used in transit buses and other vehicles. City of Greenville is considering using Rocky Mounts CNG refueling equipment. Now Rocky Mount is purchasing E85 capable flex fuel vehicles (have 20 so far) and is planning on developing E85 refueling
- City of Wilson has plans to purchase 2 electric vehicles, 3 hybrid electric, biodiesel and ethanol. Has a Ford Escape hybrid that is averaging twice the fuel economy as the rest of the fleet- 25 MPG versus 12 MPG
- Rocky Mount, Nash & Edgecombe in non-attainment for ozone but has recently been upgrading to “ maintenance” status. However, EPA has tightened emission thresholds to protect human health and likely more of the region will be in non-attainment for ozone. Ozone is a serious lung irritant.

Around the State- updates on alt fuel activities- Anne Tazewell, Manager Clean Transportation, NC Solar Center/NCSU

- Clean Transportation has many educational factsheets on a wide variety of topics. Check out Factsheets at www.cleantransportation.org
- Local governments and businesses are encouraged to plan their transition to the use of alternative fuels and fuel efficient vehicles by instituting a “green fleet” policy . The Clean Transportation team can assist in fleet assessment and technology provider contacts. Check out [CFAT Options](#) document for 2008 technology vendor contacts

How do we adopt a “green fleet” policy?

Option 1: (From the top) Pass a City/County wide *ordinance*, or enact an executive order, that codifies the “green fleet” process and delegates specific responsibilities within local government to take action.

Option 2: (From the bottom) Establish internal departmental or agency fleet policies, which are clear and carry sufficient weight with departmental or agency heads.

Option 3: (Hybrid of 1 & 2) Pass a *resolution* that serves as enabling legislation for establishing a “green fleet” policy, and then work out the details of the policy at the departmental or agency level.

Read [Developing a Fleet Policy](#) at Clean Transportation website

Tour: Evans Environment Energies, 2301 Industrial Park Dr, Wilson NC; 252-237-1898

Tommy Evans provided tour of newly constructed 1 MGY biodiesel facility that utilizes poultry renderings/scrap in a “batch” system to make biodiesel. They produce 1,650 gallons of B100 per batch- each taking about 2-3 hours. They have 4 employees. On a good week they are averaging 16,000 gallons. Closest glycerin refiner is in Sumter NC. Need NC opportunity to refine glycerin by product into higher value. Evans has begun selling through a biodiesel marketer. Product is principally going to NC, SC, VA. Currently all waste water and glycerin is being hauled and composted. Evans is working with a poultry farm in SC that will take it and use in a anaerobic digester with chicken manure that will capture the methane and run generators with it. This has not happened yet but SC farm have some grant money for the project and are working on it.

Biodiesel marketer concern: there is not color standard for biodiesel and final product can range from clear to bright red. This could potentially cause problems if drivers are stopped and fuel is questioned because of color. Need to discuss with Motor Fuel Division of NC Dept of Ag & CS

Note: State Contract prices for biodiesel and ethanol are looking good!!

Check the out at <http://www.doa.state.nc.us/PandC/dynfuels/fuelcost.asp>

Upcoming Events:

July 10: CEFS Fueling the Farm II, Goldsboro, NC

<http://www.cefs.ncsu.edu/calendar2008.htm#FF2>

July 11: Biodiesel 101 – Hands-on Demonstration of Biodiesel Production, Goldsboro, NC

<http://www.cefs.ncsu.edu/calendar2008.htm#bf>

Sept 22-23: Biomass-South 2008 Conference (sponsored by SSEB & NASEO), Raleigh Convention Ctr

<http://www.ces.ncsu.edu/nreos/forest/feop/biomass-south/2008.html>

Mobile CARE partner meeting are organized quarterly by the NC Solar Center at NC State University and hosted by area stakeholders. Meetings provide a forum to share ideas, develop a plan, network, and investigate issues and opportunities to expand clean transportation technologies and practices in Eastern NC, including Edgecombe, Nash, Halifax, Northampton, Wilson, and Pitt Counties. Mobile CARE partner meetings are

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