

**UCP Mobile CARE Partnership**  
**Tarboro, NC**  
**February 21, 2008**  
**Edgecombe County Admin Building**  
**10:00-12:00**

**MEETING NOTES**

**10:00 – Greg Godard, Upper Coastal Plain COG**

*Welcome to NE Mobile CARE Partnership*

- Importance of alternative fuels and technology
- Energy Summit and bringing more green technology to UCP area

**10:15 – Anne Tazewell, NC Solar Center**

*See Powerpoint presentation dated February 21, 2008 on our website at*

*(<http://www.engr.ncsu.edu/ncsc/transportation/meetings.htm>)*

- About NC Solar Center
- Importance of alternative fuels and technology
- Alternative fuels and advanced transportation, technology, and conservation
- Local and state resources
- Funding opportunities; current CFAT call for projects

**11:00 – Eric Evans, Edgecombe County**

- Success story of the Edgecombe County CFAT project on CNGs vehicles and FuelMaker system
- Decision making process
- Challenges encountered
- Plans to ensure the CNG project will be successful

**11:30 – Simon Cobb, Lotus and NCCAR (Center for Automotive Research)**

- Brief overview of new NCCAR facility in North Carolina
- Visit website for more information (<http://www.nccar.us/>)

**11:40 – Group round-table discussion which led to questions, important points, and future meeting ideas for the UCP area.**

**Questions (with Answers):**

- What is the energy balance for biodiesel when made from canola instead of soy?
  - Based on a study conducted at North Dakota State University, for every 1 BTU of energy input yield 3.3 BTU when using canola-based biodiesel. Soy-based biodiesel has a similar yield of 3.2 BTU.
- What are the state incentives for biodiesel infrastructure?
  - There is currently funding available through the North Carolina Green Business Fund for North Carolina small for-profit and non-profit businesses, and State and local governmental entities, to encourage the development and commercialization of promising green technologies. For biofuels expansion this Program is designed to encourage the development of commercial innovations and applications through the following priority area:

- Projects that maximize the development, production, distribution, retail infrastructure, and consumer purchase of biofuels and workforce development in these areas. The application can be downloaded at the following website.  
[http://www.ncscienceandtechnology.com/NCGreenBusinessFund/Solicitation\\_FY0708GBF.htm](http://www.ncscienceandtechnology.com/NCGreenBusinessFund/Solicitation_FY0708GBF.htm)
- Link to state alternative fuels purchasing and contract website for fuel prices
  - <http://www.doa.state.nc.us/PandC/dynfuels/fuelcost.asp>
- Recent finding that engines run on Biodiesel with a Diesel Particulate Filter (DPF) shows enhanced filter performance
  - Research conducted by Dr Bob McCormick can be found at:  
<http://www.nrel.gov/vehiclesandfuels/npbf/pdfs/39606.pdf>
- In 2005 the NC Soybean Producers and the NC Solar Center funded Biodiesel project in Pitt County Memorial Hospital in Greenville
  - See following link to Success story summary of project :  
[http://www.engr.ncsu.edu/ncsc/transportation/stories/Pitt\\_County\\_Memorial\\_Hospital.html](http://www.engr.ncsu.edu/ncsc/transportation/stories/Pitt_County_Memorial_Hospital.html)

**Important Points:**

- For school systems interested in applying for Clean Fuel Advanced Technology ( CFAT) funds for a diesel retrofit project, the Dept of Public Instruction (DPI) has agreed to cover the 20% cost share needed to apply to the CFAT grant (for total project cost of up to \$150,000). Interested schools should contact DPI's Derek Graham at (919) 807 -3571. CFAT applications are due March 28<sup>th</sup>. Guidelines and application are available under Funding at [www.cleantransportation.org](http://www.cleantransportation.org)
- Edgecombe County is looking to share their CNG refueling equipment (installation anticipated in next few months) with other CNG users in the state (assuming the other parties also have CNG refueling equipment that Edgecombe county can use). An agreement like this can help expand the coverage of CNG vehicles to beyond the county. The Clean Transportation group of NC Solar Center will help identify other CNG refueling centers. The Division of Air Quality maintains a list of CNG stations at <http://daq.state.nc.us/motor/cng/refuel.shtml>

**Future Meeting ideas:**

- Set up an email list serv for just this group to share information with locals (5 county UCP region). For time being subscribe to NC Mobile CARE for the latest in alt fuels news and events by sending an email to 'subscribe ncmobilecare' to [mj2@lists.ncsu.edu](mailto:mj2@lists.ncsu.edu)
- Grant alerts will be sent via email
- Future Speaker/meeting ideas
  - Robeson County landfill gas to ethanol production speaker next time
  - Have chemist explain chemistry side of biodiesel production
  - Automotive technician who has experience working on Biodiesel (or other fuels)

- Explore possibility of meeting or touring biodiesel plant in Wilson, Evans Bioenergies
- Bring vehicles to meetings (like dual-fuel CNG truck, electric vehicle, plug-in hybrid)
- **Next meeting June 18<sup>th</sup> from 10:00-12:00 (location TBD)**

**Upcoming events of interest:**

- **Biodiesel Agribusiness Conference (Clayton) – March 5**  
<http://www.ncbionetwork.org/index.cfm?dir=calendar/viewEvent.cfm&EventID=695>
- **Clean Fuel Advanced Transportation Funding Deadline – March 28**  
Over \$500,000 available for transportation related emission reduction projects in 24 NC counties. Information Sessions/Call on March 13 from 10:00-12:00. Call in number is 919-515-7150. Call in early as calls will last only as long as there are questions!
- **Biodiesel Workshop at ODB NC Equipment Show (Raleigh) – April 16, 2pm – 4pm**  
**Registration is FREE! Register now under Events at [www.ncsc.ncsu.edu](http://www.ncsc.ncsu.edu)**
- **Mobile CARE Symposium & Awards , May 6<sup>th</sup> Proximity Hotel, Greensboro NC**  
Call for symposium presentations are underway and due Feb 28<sup>th</sup> – tell us about your research, demonstration and/or deployment of alternative fuel and advanced transportation technology and practices. Nominations for Mobile CARE awards are also being sought. Download guidelines and applications at:  
[www.engr.ncsu.edu/ncsc/transportation/events.htm](http://www.engr.ncsu.edu/ncsc/transportation/events.htm)
- **Asheville CNG Conference – March 25** more information Bill Eaker [bill@landofsky.org](mailto:bill@landofsky.org)