

Attendees:

Name	Organization	Email address
Anne Tazewell	NC Solar Center	Anne_tazewell@ncsu.edu
Aranzazu Lascurain	NC Solar Center	alascur@ncsu.edu
Ed Davis	NC Commerce	edavis@nccommerce.com
Brian Taylor	Land of Sky Clean Fuels Coalition	brian@landofsky.org
Charles Adair	NCSEA	Charles@energync.org
Cindy Keene	Duke Energy	Cindy.Keene@duke-energy.com
Frank Olafson	City of Raleigh	Frank.Olafson@raleighnc.gov
Gil Johnson	Capital Consulting	giljohnson@mac.com
Jeff Barghout	Advanced Energy	jbarghout@advancedenergy.org
Judi Westerfield	DNA Group	jwesterfield@dnagroup.com
Katie Drye	Advanced Energy	kdrye@advancedenergy.org
Ken Morrison	Evatran	kmorrison@evatran.com
Kevin Beck	Evatran	kbeck@evatran.com
Lou Siegel	independent	louis.siegel@cox.net
Lynn Graham	City of Raleigh	Lynn.Graham@raleighnc.gov
Mindy Pignato	Dominion	mindy.pignato@dom.com
Skip Yeakel	Volvo	skip.yeakel@volvo.com
Tobin Fried	City and County of Durham	tfreid@durhamcountync.gov
Rob Cotter	Organic Transit	rob@organictransit.com
Dennis Eaton	Eaton Commercial Properties	dceaton@msn.com
Chris Mackin	Siemens	christopher.mackin@siemens.com
Matthew King	Siemens	king.matthew@siemens.com
Jen Johnson	Independent	jen.johnson@alumni.duke.edu
Joe Licari	Shorepower Technologies	jlicari@shorepower.com
Mike Covington	Green Equipment Solutions	Mike@GreenEquipment.com
Joseph Scott	Siemens	joseph.scott@siemens.com

NOTES:

Roll call and introduction of new participants. We asked members to provide updates on their projects and/or products.

A sampling of current projects in the field:

- Chris Mackin with Siemens is completing 26 level II charging ports for the City of Charlotte. They were able to bring “smart charging” into the city’s budget and will help them grow this asset over time. These ports will also be used for charging city fleets.
- Ken Morrison with Evatran is launching their plugless EVSE product for a project in Richmond, VA with Clemson. Working with six leading fleet advocates.
- Mike Covington, Green Equipment Solutions, interested in “green corridor” development, Heavy Duty

- Rob Cotter with Organic Transit manufactures a 1,800 MPG HD electric bike, can carry 800lbs, 30 miles range, solar assisted. There are 4 prototypes
- Gil Johnson, served as project manager for public PEV installations at new transit center in Raleigh.
- Brian Taylor with Land of Sky Clean Fuels Coalition is leading PEV planning in Asheville area.
- Tobin Fried, City and County of Durham Sustainability Manager. Have installed 14 EVSEs in Durham, city has 4 LEAFs, assigned to 4 Departments, perhaps as pool vehicle
- Jenny Johnson is a new Nissan LEAF owner; assisting us with PEV Survey.

- Mindy Pignato with Dominion, working on with sustainable transportation of Richmond.
- Skip Yeakel with Volvo Trucks, interested in idle reduction opportunities and expansion for trucks through truck stop electrification.
- Joe Licari Shorepower, manufactures both charging infrastructure to eliminate truck idling and EVSE for passenger vehicles
- Lou Sigal, previous with Domestic, has engine off AC option for trucking industry
- Judi Westerfield, DNA Group; also she is involved with EV Challenge as part of Tar Heel Sport Club

Discussion

The group was queried on the focus for PEV planning efforts in NC, specifically recommending/suggesting that the scope include truck stop electrification along with passenger plug in planning. Ed Davis will explore opportunities to raise awareness about this important topic at the Dept. of Commerce. Although this provides a tremendous opportunity for more comprehensive collaboration overall, the PEV planning effort underway through the IED working group is primarily focused on passenger vehicles because this is the focus area for the support being provided through U.S. Dept. of Energy funding awarded to Centralina Council of Governments

Survey

- The group discussed and reviewed the draft survey. This survey is aimed at fleet managers and others associated with vehicle purchasing, in both public and private sector organizations, across North Carolina to gauge interest and barriers to PEV adoption.
- Jenny Johnson gave the group recommendations for increasing response rate and has offered to review the survey with an academician over the week-end.
- We should keep survey to no more than 10 questions. 7 questions is more ideal.
- Timeline for survey. Target date to release/email survey is February 22, 2012. Give one month to collect survey. We want at least a 30% return rate. Administering survey via phone increases response rate to 80%.
- Pike Research did a similar survey in fall of 2011. Advanced Energy will look into cost of obtaining copy of survey and results.

PEV Industry List

- The group was asked to review list for accuracy and any missing companies.
- Solicited suggestions on categories for companies. We want to add SmartGrid category.
- **Chris Mackin:** We *should distinguish* between “supplier” and “turn-key services supplier”.
- **Jeff/Anne/Ed:** What is the purpose of the list? The listing is critical for industries to locate in NC. This is more a recruiting tool for other interested industries. They like to cluster. R&D piece is critical e.g. FREEDM Center, RTI, etc.
- Brian Taylor: I see some errors and some missing e.g.: BioWheels, RTS in Asheville area, and Eaton in Asheville.
- Morrisville and Raleigh: Census
- GE: Mebane
- Working group members were asked to supply additional industry names especially those with missing contact information and industry category listing.

PEV Incentives Paper

Projected scope: The NCSC will be responsible for a paper that provides an assessment of available or anticipated benefits from incentives for PEV consumers, and identify other potential incentives that may be considered by North Carolina. These might include: rebates; state and federal tax incentives; reduction in sales taxes; rebates or reductions in costs of permitting, purchasing, or installing home plug-in equipment; reductions in state and local toll access charges, etc.

The NCSC is seeking contacts in other states or incentive programs from working group stakeholders. For example, Tennessee is offering a rebate for first 1,000 PEV owners. Perception is that some companies want to cluster esp. in sector related industries. NCSC may request that DOT to allow rebate option through NCSC’s Clean Fuel Advanced Technology project (through which grant funds are distributing for emission reduction technologies project in 24 eligible counties in NC)? Oregon, Indianapolis, Georgia (with \$5,000 tax credit) along with New England stats were all suggested as good incentive examples to evaluate. Arizona has introduced a per mile tax on PEVs.

Next Meeting:

- **March 8th**, 10 am-12 noon at NCSC office 1575 Varsity Drive Mod 4 Raleigh, NC. The NCSC will work on other teleconferencing opportunities to improve communication.
- The NCSC will post meeting summaries, survey, industry list, under projects at www.cleantransportation.org and <http://ncpevtaskforce.org/>