The North Carolina Plug-In Electric Vehicle Taskforce has been working since 2011 to establish North Carolina as a leader in electrified transportation. The Taskforce provides a collaborative opportunity for stakeholders to identify and address barriers to plug-in electric vehicle (PEV) adoption in order to ensure a seamless integration of PEVs into local communities.

The North Carolina Plug-In Electric Vehicle Taskforce is made possible through the support of Duke Energy and the North Carolina Electric Membership Corporation.
Plug-in Electric Vehicles in North Carolina

2014 Electric Vehicle Registrations: Approximately 3,200
- 92 of North Carolina’s 100 counties have registered electric vehicles

2014 Charging Infrastructure:
- 284 electric charging stations
- 682 charging outlets
- 250 Level 2 stations with 600 outlets
- 14 DCFC stations with 70 outlets

NC PEV Taskforce 2014 Successes

This year brought growth and excitement to the NC PEV Taskforce. Each month, progress was made to increase awareness of electric vehicles in North Carolina and prepare for further adoption. New partnerships were formed and conversations held on how to encourage electric vehicle growth across the state.

Educational Webinars
The Taskforce held three webinars on the topics of workplace charging, electric buses and DC Fast Charge. There were close to 100 registrations for each webinar. Speakers participated from across the United States and included representatives from General Motors, Cisco Systems, SAS, Proterra, BYD America, Stanford University, Advanced Energy, Greenlots, and the Orlando Utility Commission.

Monthly Newsletter
The newsletter was sent out to an average of 1,700 people each month. It highlighted electric vehicle news from across the state, along with updates from the Taskforce. The newsletter has received good feedback and has a high readership rate. The Taskforce is planning to continue with newsletters moving forward.

Annual Taskforce Summit
On October 22, 2014, the Taskforce hosted the annual Taskforce Summit. This year’s theme was, “Accelerating Electric Vehicle Charging: An interactive summit to plan for DC Fast Charge.” Around 75 people attended the event at the Raleigh Convention Center.

The Summit began with two panel discussions. The first panel gave an overview of electric vehicle charging projects happening in various Clean Cities’ states and the second panel discussed DC Fast Charge deployment. Following the panels, an interactive fact finding exercise took place to plan for future DC Fast Charging installations across the state.

National Drive Electric Week Celebration
An electric vehicle ride-and-drive and showcase event was held in Raleigh’s North Hills shopping center to celebrate National Drive Electric Week. Local electric vehicle drivers were invited to bring their cars to display, dealerships were invited to participate in the ride-and-drive, and local organizations were invited to have a booth relating to electric vehicles. Over 100 people attended the event and seven dealerships participated: BMW, Chevy, Ford, Smart Car, Tesla, Cadillac, and Nissan. Around 30 electric vehicle drivers brought their cars for the showcase.

Workplace Charging Workshops
During National Drive Electric Week, the Taskforce hosted three workplace charging workshops in Asheville, Charlotte and Wilmington. Over 100 people total attended the workshops to learn more about how to install workplace charging and the benefits that come from offering it to employees.
NC PEV Taskforce Working Groups

Multifamily Housing
The multifamily housing working group created resource materials for multifamily housing owners, managers and residents to use to learn more about installing charging stations. The working group consists of representatives from the multifamily housing industry, local and regional government organizations, electric utilities, auto manufacturers, charging station providers and academia. Working group members consulted with stakeholder organizations across the country for advice and information sharing. Resources are available on the Taskforce website.

North Carolina Multifamily Housing Communities with Charging Stations
Adeline at White Oak – Garner
Allister North Hills – Raleigh
Amberton at Stonewater – Cary
Crescent Alexander Village – Charlotte
The Greens at Centennial Campus – Raleigh
Link Apartments Brookstown – Winston-Salem
Link Apartments Glenwood South – Raleigh
Midtown Green Apartments – Raleigh
Mezzo1 – Charlotte
401 Oberlin – Raleigh
Post Parkside at Wade – Raleigh
Solis Crabtree – Raleigh
Trinity Commons at Erwin – Durham
Tryon Park at River Gate – Charlotte
Verde Vista Apartment Homes – Asheville
Village Town Center – Raleigh

Do you know of a multifamily community that offers electric vehicle charging that is not listed? Email us the location.

Workplace Charging
The workplace charging working group created informational materials to guide employees and employers on how to bring PEV charging to their place of business. Focusing on North Carolina businesses that currently have workplace charging, the group surveyed some of those businesses to provide insight into their experiences on a variety of issues including installation, internal support and policy development. The responses were used to create resource materials for employers looking to add electric vehicle charging at their workplace. For employees, the group developed a quick reference guide to use to talk to their employers about adding electric vehicle charging infrastructure at work. This resource provides talking points, an example letter for employees to submit to their employer and answers to concerns likely to be brought up by an employer. Resources are available on the Taskforce website.

UNC Pembroke, Ribbon Cutting Event for their New Charging Stations

North Carolina Workplaces that are Partners in the DOE Workplace Charging Challenge
Duke Energy
UNC Pembroke
Siemens
Schneider Electric
ABB inc.
SAS Institute
Biogen Idec
Cisco Systems, Inc
Pentair Water Pool and Spa, Inc
NASCAR
Rockwood Lithium
GE
Sierra Navada

For more information, visit the Workplace Charging Challenge website.
**Steering Committee Members**

The Steering Committee is led by Advanced Energy Staff: Tyler Bray, Kristi Brodd, Katie Drye, and Ward Lenz.

The Steering Committee met six times during the year to plan and review work for the Taskforce.

Tom Rhodes .................................................................NC GreenTravel, NC Department of Environment and Natural Resources
Ged Moody ..............................................................................................................Appalachian State University
Jessica Hill ................................................................................................................Centralina Clean Fuels Coalition
Kevin Lacy ............................................................North Carolina Department of Transportation
Marcy Bauer, ............................................................................................................Clean Energy Technology Center
Elaine Loyack ..............................................................Triangle Air Awareness
Cindy Keene ............................................................................................................Duke Energy
David Lankewicz .....................................................................................................SAFT Batteries
Bill Eaker ..............................................................................................................Land of Sky Clean Vehicles Coalition
Prince John Gaither-Eli .......................................................................................City of Greensboro
Mike Waters ............................................................................................................Duke Energy
Kathy Boyer ............................................................................................................Triangle Clean Cities Coalition
Jared Taylor ..............................................................................................................New Hanover County
David Nelson ..........................................................................................................Town of Matthews
Paul Black ...............................................................................................................Land of Sky Metropolitan Planning Organization
Jennifer Satterthwaite .........................................................................................Palmetto State Clean Fuels Coalition
Locke Raper ...........................................................................................................BBG

For more information on driving electric, visit www.ncpevtaskforce.org

National Drive Electric Week
Celebration at North Hills in Raleigh

NCPEV TASKFORCE