Innovation is a journey, and we are part of a movement. Technology is changing, and we are the game changers.
We Motivate

Celebrating Five Years
This year, the North Carolina Plug-in Electric Vehicle Taskforce celebrated five years of promoting electric vehicles (EVs)! North Carolina is now viewed as a leading state for EV adoption. The state has EVs registered in 90 percent of its counties and is the 12th highest ranked state for the number of EV charging stations.

The NC PEV Taskforce was formed in 2011 with a kick start from a US Department of Energy funded grant to create NC’s first EV readiness plans (Plugging-in from Mountains to Sea, led by Centralina Council of Governments). The plans were released in 2013, and since then the NC PEV Taskforce has been supporting implementation of the plans by tracking growth and supporting EV adoption.

The NC PEV Taskforce provides a collaborative opportunity for stakeholders to work together to ensure a seamless integration of EVs into local communities. Specifically, the Taskforce works to address barriers, conduct research, increase awareness and recognize the efforts taking place across the state. Most importantly, the Taskforce motivates others across the state to support driving electric.

We Share

Education and Outreach
To ensure a seamless integration of EVs into our communities, the Taskforce creates and shares resources and information through trainings, presentations, exhibits, webinars and articles. To increase awareness of EVs in 2015, the Taskforce held:

- **2** Webinars
- **3** Workshops
- **8** Booth Exhibits
- **15** Presentations
We Progress

2015 NC Public Charging Station Study
The Taskforce worked with Chipley Consulting this year to conduct a study of public Level 2 EV charging stations in our state. Public charging stations are expected to play a critical role in preparing the market for EV adoption, however, there is little public reporting on charging station management and usage information in the Southeast. [Download the report]

Key findings from the study revealed:
- The median energy usage of a public charging station site in NC was 183 kWh per month, or $18 per month, assuming $0.10 per kWh
- Half of the public charging sites averaged over 28 charge events per month
- Average monthly charge events increased for sites that have a variety of destinations within walking distance

Note: This study did not cover usage information for DC Fast Charge stations in NC.

Impact of EVs in NC’s Economy
The NC PEV Taskforce is pleased to announce the commissioning of a modeling study to analyze the impact of EVs in NC’s economy. The study will consider three components, including the economic benefit of reduced oil consumption, employment effects and supply chain effects for North Carolina. The NC PEV Taskforce will release findings from the study in 2016.

We Breathe

EPRI Study
In 2015, the Electric Power Research Institute (EPRI) and the Natural Resources Defense Council (NRDC) released an analysis of air quality impacts from a widespread shift to EVs (including light-duty, medium-duty and industrial equipment such as forklifts) from petroleum-fueled internal combustion vehicles in the United States. They found that EVs today "are lower-emitting vehicles, even when accounting for the emissions associated with producing electricity for them."

Looking forward, a shift to EVs could achieve a significant reduction in greenhouse gas emissions. [Download the report]
Now let’s Connect

We are excited to announce our new state-wide recognition program, Plug-in NC! North Carolina communities, organizations and schools are now invited to join. The program seeks to recognize locations that have installed EV charging stations, have purchased electric fleet vehicles or are working to promote driving electric. By joining the free program, you will be recognized on the NC PEV Taskforce’s website, newsletter and social media. You will also have opportunities to connect with other EV supporters across the state to share lessons learned and best practices. For more information, visit www.Pluginnc.com.

NC PEV Taskforce Summit

This year, the 5th annual Taskforce Summit was hosted in Winston-Salem, where attendees celebrated the success that has occurred through community collaboration. Ben Prochazka, with the Electrification Coalition, presented on efforts to develop an EV accelerator model and EV tourism programs, and local speakers, including David Joyner, Rocky Mount Chamber of Commerce, Bill Eaker, Land of Sky Clean Vehicles Coalition, Erika Ruane, Centralina Clean Fuels Coalition, and Mary Sell, Triangle Clean Cities Coalition, gave updates on the activities taking place across North Carolina.

2015 NC PEV Taskforce Steering Committee Members

Katie Drye .......................................................... Advanced Energy
Kristi Brodd ........................................................ Advanced Energy
Keith Aldridge .................................................... Advanced Energy
Ward Lenz .......................................................... Advanced Energy
Ged Moody ........................................................ Appalachia State University
Lee Ball ............................................................. Appalachia State University
Stan Cross ........................................................ Brightfield Transportation Solutions
Erika Ruane ......................................................... Centralina Clean Fuels Coalition
Jason Wager ........................................................ Centralina Clean Fuels Coalition
Jessica Hill .......................................................... Centralina Clean Fuels Coalition
Prince John Gaither-Eli ........................................ City of Greensboro
Mike Waters ........................................................ Duke Energy
Lauren Tuttle ....................................................... Eastern Carolina Council
Rob Will ............................................................. Eastern Carolina Council
Tristan Winkler ................................................... Land of Sky Regional Council
Lyuba Zuyeva ................................................. Land of Sky Regional Council
Bill Eaker ......................................................... Land of Sky Regional Council
Kevin Lacey .............................................................. NC DOT
Tom Rhodes .......................................................... NC GreenTravel
Anne Tazewell ................................................. NC Clean Energy Technology Center
Rick Sapienza .................................................. NC Clean Energy Technology Center
Andrea Bachrach .............................................. Triangle Clean Cities Coalition
Mary Sell ........................................................ Triangle Clean Cities Coalition
Rick Schroeder ..................................................... NCEMC
Cornelius Willingham .......................................... Nissan North America
Marcy Bauer ............................................................... NRG eVgo
Jennifer Satterthwaite ........................................ Palmetto State Clean Fuels Coalition
David Joyner .................................................... Rocky Mount Gateway Center
Alana Napora-Tichenor ...................................... Rocky Mount Gateway Center
David Lankewicz ................................................ Saft Batteries

We Drive

National Drive Electric Week

The NC PEV Taskforce loves putting drivers behind the wheel of an EV. It’s always fun to see their excitement at the quick acceleration and quiet drive. This year, the Taskforce hosted a large National Drive Electric Week event in Raleigh that included test drives and an EV showcase. Over 40 vehicles were displayed and eight dealerships were present to give test drives. Over 200 people attended the event.

Also during this week, 10 additional events took place across the state to celebrate National Drive Electric Week. Altogether, events occurred in Asheville, UNC Pembroke, Matthews, Raleigh, Charlotte, Dallas, Salisbury, Wadesboro, Spencer and Wilmington.