

North Carolina Plug-in Electric Vehicle Taskforce

2012 State Energy Policy
and Technology Outlook Conference



www.advancedenergy.org



▶ About Advanced Energy

- ▶ An independent, non-profit organization established in 1980
- ▶ Mission: Create economic, environmental and societal benefits through innovative and market-based approaches to energy issues
- ▶ Provide consulting, testing, and training in:
 - > Residential and Commercial Buildings
 - > Industrial Facilities
 - > Motors and Drives
 - > Renewable Energy
 - > Electric Transportation



▶ Electric Transportation

An integrated approach to help all members of the community **understand, plan-for** and **implement** electrified transportation.

Understand Electric Transportation

- Public Outreach
- Customized Training
- Equipment Evaluation
- Vehicle Monitoring



Plan For Electric Transportation

- Community Planning
- Corporate Campus Planning
- PEV Workforce Training
- Stakeholder Training and Outreach

Implement Electric Transportation

- Codes and Standards
- Permitting, Zoning and Compliance
- Incentives, Policies and Drivers
- Charging Stations (EVSE) Installation



▶ NC PEV Taskforce Goals

- ▶ Prepare for rapid integration of PEVs into NC market
- ▶ Coordinate interagency decision-making on critical issues
- ▶ Encourage existing industry and recruit green jobs
- ▶ Align State goals with national priorities
- ▶ Create a PEV Roadmap indentifying goals and strategies

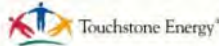
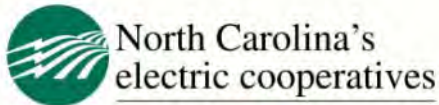
- ▶ Taskforce methodology adopted state-wide as economic development strategy



▶ Stakeholder Collaboration

T H R I V E
in **NORTH CAROLINA**

North Carolina Energy Division energync.net
ENERGY



▶ Working Groups





▶ Working Groups and Chairs

Vehicles

Triangle Clean Cities Coalition

Infrastructure

Progress Energy, Duke Energy, and Land-of-Sky Regional Council of Governments

Incentives

North Carolina Solar Center

Economic Development

North Carolina Department of Commerce

Education and Outreach

Advanced Energy

Codes and Standards

Centralina Council of Governments
(Clean Fuels Coalition)



▶ Clean Cities PEV Planning Grant

- ▶ Awarded to NC in September 2011
- ▶ 12 month planning effort
- ▶ Deliver publicly accessible community readiness plans for four areas plus a statewide readiness plan
- ▶ Funding for state level taskforce

▶ Clean Cities PEV Planning Grant





▶ NC PEV Taskforce Symposium

▶ October, 2011 in Raleigh, NC

Audience

- PEV Related Industry
- Sustainability Organizations
- Government Organizations
- Educational Institutions

Format

- Opening by NC Commerce
- Introduction by each Working Group Chair
- Facilitated Discussions
- Opportunity to sign up for Working Groups

▶ Educate, Engage and Recruit!



▶ NC PEV Taskforce Symposium

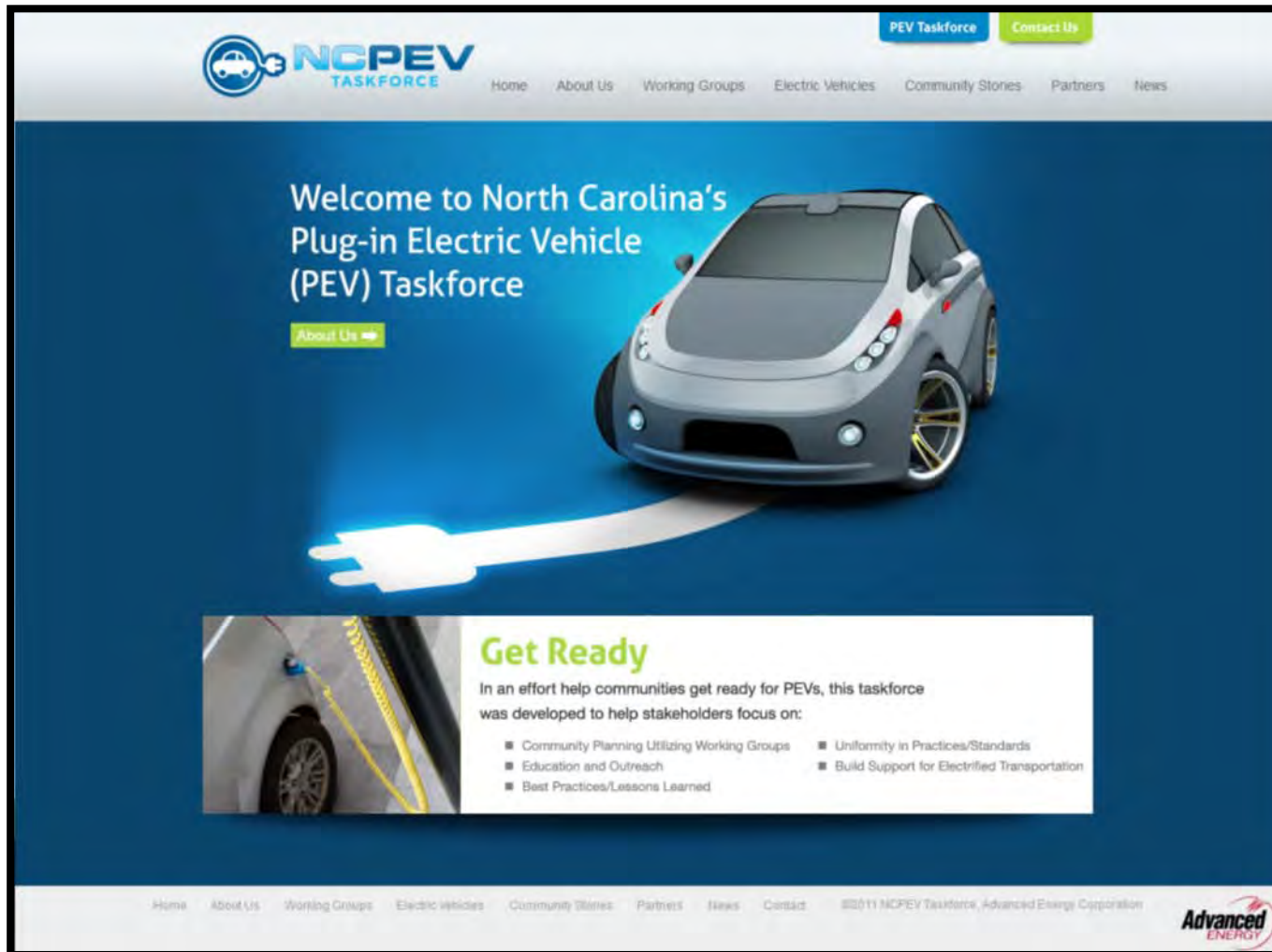


▶ NC PEV Taskforce Symposium



▶ NC PEV Taskforce Website

www.NCPEVTaskforce.org



The screenshot shows the homepage of the NC PEV Taskforce website. At the top left is the logo for the NCPEV Taskforce, which includes a car icon and the text "NCPEV TASKFORCE". To the right of the logo is a navigation menu with links for "Home", "About Us", "Working Groups", "Electric Vehicles", "Community Stories", "Partners", and "News". In the top right corner, there are two buttons: "PEV Taskforce" (blue) and "Contact Us" (green). The main content area has a dark blue background. On the left, it says "Welcome to North Carolina's Plug-in Electric Vehicle (PEV) Taskforce" with a green "About Us" button below it. On the right, there is a 3D rendering of a silver plug-in electric car with a glowing white plug icon and a light trail behind it. Below this is a white box with the heading "Get Ready" in green. The text below the heading reads: "In an effort help communities get ready for PEVs, this taskforce was developed to help stakeholders focus on:". Below this text is a list of four bullet points: "Community Planning Utilizing Working Groups", "Education and Outreach", "Best Practices/Lessons Learned", "Uniformity in Practices/Standards", and "Build Support for Electrified Transportation". At the bottom of the page, there is a footer with a navigation menu, the copyright notice "©2011 NCPEV Taskforce, Advanced Energy Corporation", and the Advanced Energy logo.

CHARGING STATION INSTALLATION HANDBOOK

for Electrical Contractors
and Inspectors



COMMUNITY PLANNING GUIDE FOR PLUG-IN ELECTRIC VEHICLES



▶ Recommendations

- ▶ Collaboration takes time so start now.
- ▶ Leverage existing organizations
 - > Clean Cities Coalitions
 - > Municipal Government Associations
- ▶ Plan to keep momentum.
- ▶ Grants are not required; Passion and commitment are.

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