

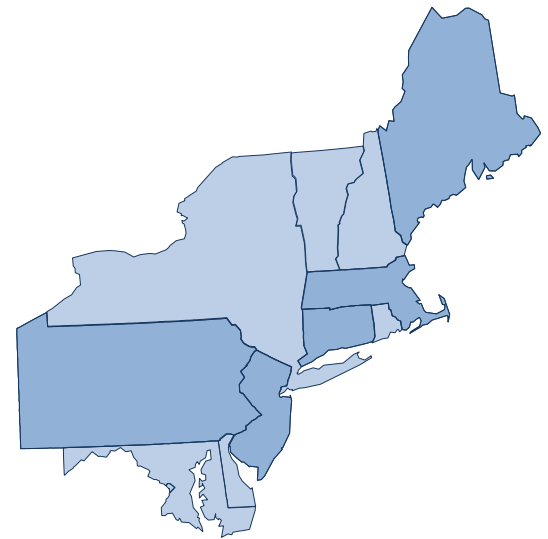
The Transportation and Climate Initiative's Northeast Electric Vehicle Network

Christine Kirby

Massachusetts Dept. of Environmental Protection

Alternative Fuel Vehicles Conference

September 27, 2012 - Montréal, Québec



TCI Goals

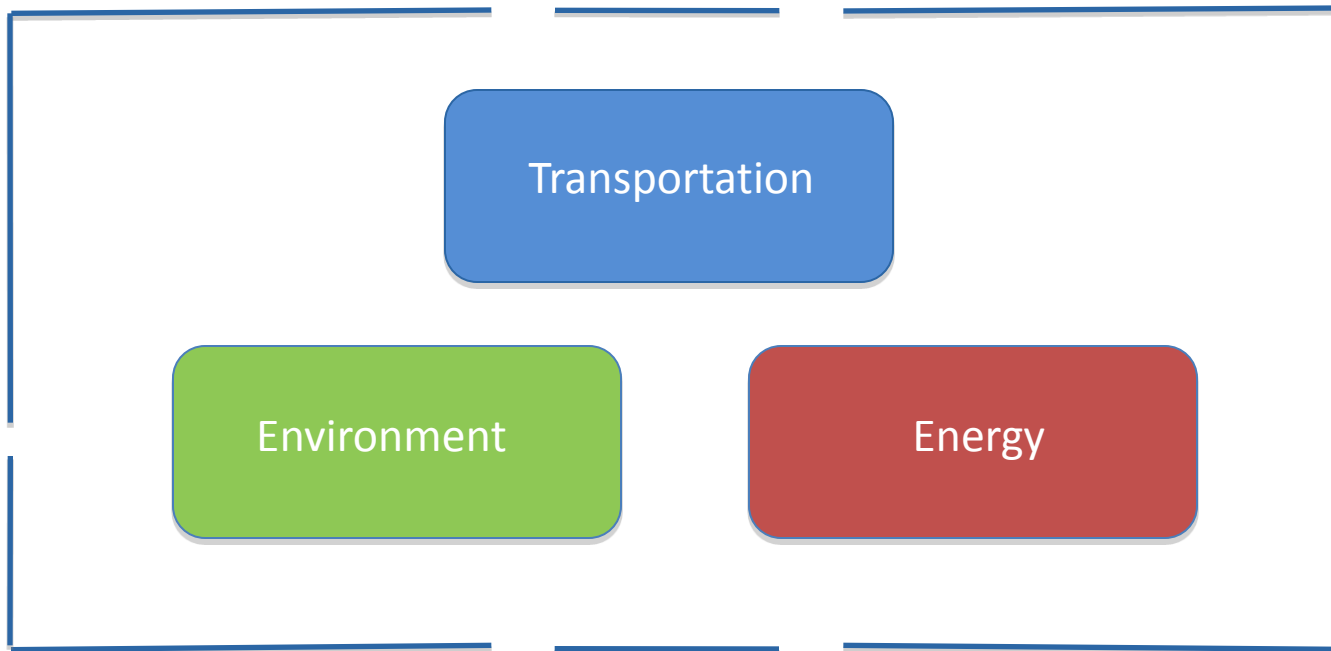
Eleven states and DC launched the TCI in June 2010 to

- Reduce greenhouse gases in the transportation sector and help build the clean energy economy.
- Create benefits and funding opportunities for states that are leading the way.
- Align with federal government actions, goals and emerging inter-agency approaches.
- Build on existing regional efforts.



Collaborating Across Sectors and States

The top environment, transportation, and energy officials from participating TCI states are now all “in the same room,” collaborating and guiding project work together for the first time.



TCI Project Area: Clean Vehicles and Fuels

- Launched the Northeast Electric Vehicle Network in October 2011 to support the rollout of electric vehicles in the region.
- Received a nearly \$1 million Electric Vehicle Readiness Grant from DOE in Sept. 2011.
- Exploring opportunities to support the use of natural gas vehicles.
- Commissioning study of potential revenue losses from increased use of alternative fuel vehicles.



THE WALL STREET JOURNAL

Northeast States Form Electric Vehicle Network

BALTIMORE — Ten states from Massachusetts to Maryland are joining forces to promote electric vehicles.

The Northeast Electric Vehicle Network announced Wednesday it will work to help plan and install charging stations throughout the region as well as attract private investment in clean vehicle infrastructure.

The Northeast Electric Vehicle Network

- The Northeast Electric Vehicle Network is one of the nation's most ambitious electric vehicle networks, spanning 11 states and the District of Columbia.
- The Network will result in an increased number of electric vehicle charging stations. But the Network is more than just physical infrastructure. It also represents:
 - a growing partnership between the public and private sectors to expedite our transition toward a cleaner transportation system;
 - a commitment to removing barriers that would slow the mass-market rollout of electric vehicles.



DOE Electric Vehicle Planning Grant

- TCI is working with NYSERDA and 16 of the region's Clean Cities Coalitions to carry out the EV Readiness Grant. Grant activities:
 - **Engaging stakeholders**, including auto manufacturers, charging station suppliers, utilities, municipalities, and other public and private entities interested in EVs;
 - **Conducting a literature review** of market barriers, electrical grid impacts, plans for EV rollouts, and other issues specific to the northeast;
 - **Creating sitting and design guidelines, model permits, building codes, and ordinances** tailored to the TCI region;
 - **Undertaking education and outreach activities** to raise awareness of the benefits of EVs and share the products of this work.



U. S. Department of Energy



Stakeholder Engagement

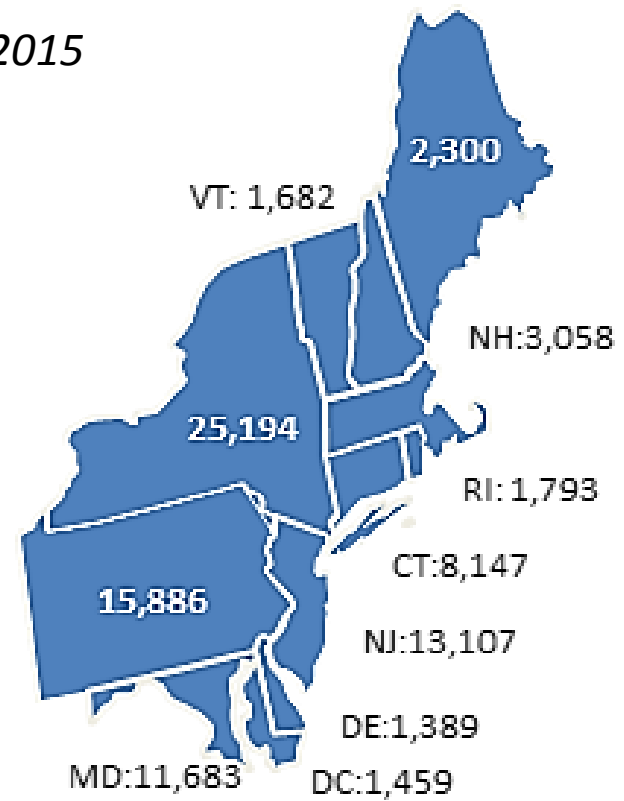
- TCI has engaged stakeholders at the local and regional level to assess barriers and discuss a vision for EV deployment in the region.
 - The Clean Cities Coalitions have worked with local stakeholders to assess the state of EVs in their jurisdictions.
 - TCI has held regional dialogues with public and private sector stakeholders.
 - TCI and NYSERDA have worked with other DOE EV grant recipients in the region to minimize duplication.



Literature Review

- TCI's literature review assesses market barriers, electrical grid impacts, plans for EV rollouts, and other issues specific to the Northeast.
- The literature review was prepared by the Center for Climate and Energy Solutions (C2ES) for TCI, the Georgetown Climate Center, and NYSERDA.
- The report is available on TCI's website.

Estimated EVs on the Road by 2015



Guidance Documents

- Consulting team Energetics and WXY is creating TCI's guidance documents. These documents include:
 - Siting and design guidelines that will provide short and long term siting and design recommendations at the macro and micro levels;
 - Recommended best practices for model building code amendments, permitting processes, and zoning and parking ordinances.
- The project team has solicited feedback from a regional stakeholder group to strengthen the guidance documents.
- Expected release: Fall 2012



Education and Communication

- TCI's education campaign will raise EV awareness and disseminate TCI's guidance documents throughout the region. To accomplish this:
 - TCI is creating educational materials highlighting the environmental, economic, and energy security benefits of EVs;
 - The Clean Cities Coalitions are holding local-level meetings with dealerships, major employers, multi-unit dwelling stakeholders, utilities, and local policy makers;
 - TCI is holding regional meetings with private sector players and NGOs.
- Meetings will be held throughout the fall.



TCI EV Pledge

- TCI created a Pledge to Support the Deployment of Electric Vehicles in the TCI region.
 - > 70 companies, organizations, and municipalities have signed on.
 - TCI will follow-up with pledges this fall on additional actions.
 - Pledge is on TCI's website and other are encouraged to sign on.

We Support the Deployment of Electric Vehicles

Please sign onto the statement below to express your organization's support for the deployment of electric vehicles in the northeastern United States.

The Northeast Electric Vehicle Network – a project of the states participating in the Transportation and Climate Initiative – seeks to eliminate barriers to the deployment of electric vehicles and maximize the economic and environmental benefits that will be generated by the mass-market arrival of plug-in cars and trucks.

_____ supports these important goals, and is ready to work with the Northeast Electric Vehicle Network to facilitate the deployment of electric vehicles in the northeastern United States.¹

Signature: _____ Date: _____

The Northeast Electric Vehicle Network is a project of participating Transportation and Climate Initiative (TCI) jurisdictions, including Connecticut, the District of Columbia, Delaware, Massachusetts, Maryland, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, and communities in Maine.



Planning for the Network is funded in part by a nearly \$1 million Electric Vehicle Readiness Grant from the U.S. Department of Energy. To learn more about the TCI, please go to <http://www.georgetownclimate.org/TCI>

Email this statement of support to TCI facilitator Cassie Powers at powers@law.georgetown.edu.

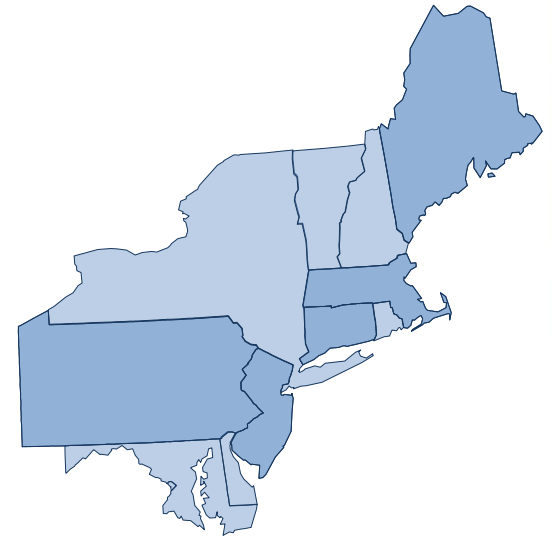
¹ Support for the deployment of electric vehicles or the Northeast Electric Vehicle Network by private entities will not give, grant, bestow, or otherwise confer any special benefits from participating jurisdictions and state agencies to the private entity. Signing the statement of support also does not constitute a legally binding commitment on behalf of any private entity.



TRANSPORTATION & CLIMATE INITIATIVE

Of the Northeast and Mid-Atlantic States

- An initiative to reduce greenhouse gases in the transportation sector in Northeast and Mid-Atlantic states



*For more information about the Transportation and Climate Initiative,
please visit:*

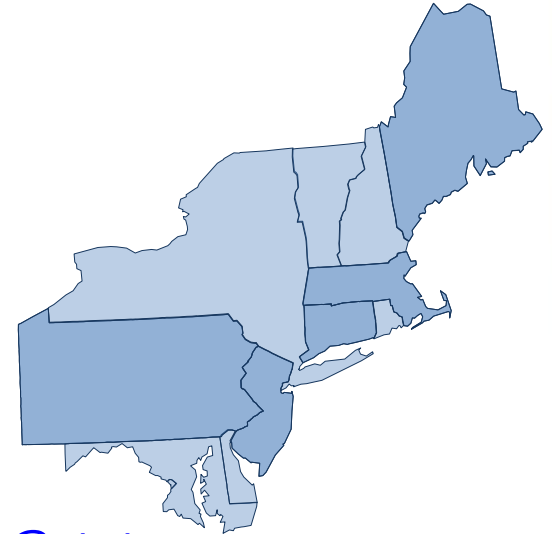
www.georgetownclimate.org/tci

www.transportationandclimate.org



TRANSPORTATION & CLIMATE INITIATIVE

Of the Northeast and Mid-Atlantic States



Contacts:

Christine Kirby, MassDEP – christine.kirby@state.ma.us

Adam Ruder, NYSERDA – ar3@nyserda.org

Liz Entwisle, MDDOE – eentwisle@mde.state.md.us

*Cassie Powers, Georgetown climate Center –
powers@law.georgetown.edu*

Thank You!