

# The Transportation and Climate Initiative

## Developing a Regional Policy for Low-Carbon Transportation

Briefing for COG & MPO Transportation and Climate  
Initiative Convening – at DVRPC

June 24, 2019



**TRANSPORTATION &  
CLIMATE INITIATIVE**

Of the Northeast and Mid-Atlantic States

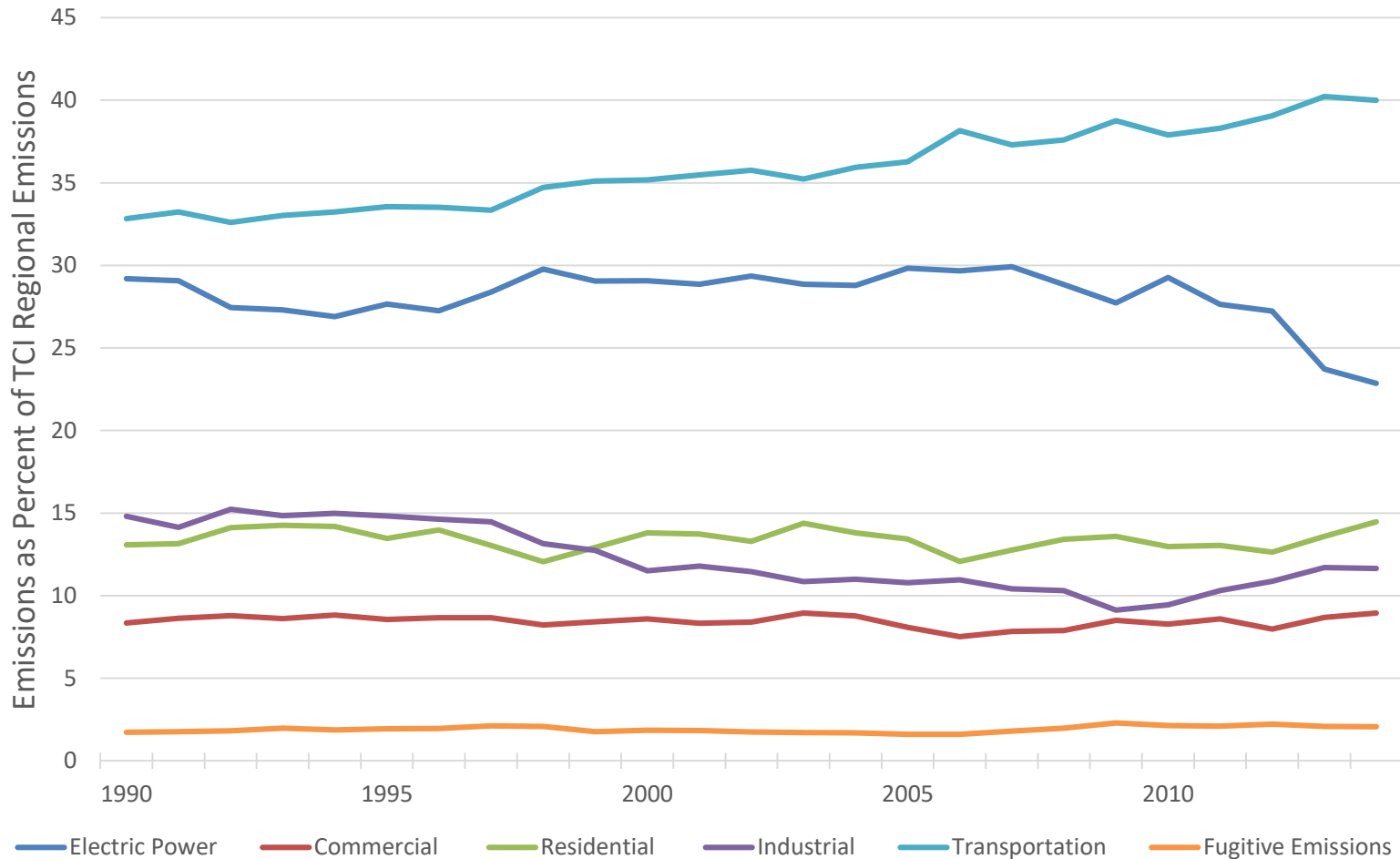
**GEORGETOWN CLIMATE CENTER**  
A Leading Resource for State and Federal Policy

# Georgetown Climate Center: A Resource for State and Federal Climate Policy

- Launched in 2009 as a resource to states
- Works at the nexus of federal-state policies
- Supports states through research, facilitation, and convening



# Transportation is the Largest and Growing Share of GHG Emissions in TCI Region



Source: WRI CAIT, 2018

# Transportation and Climate Initiative

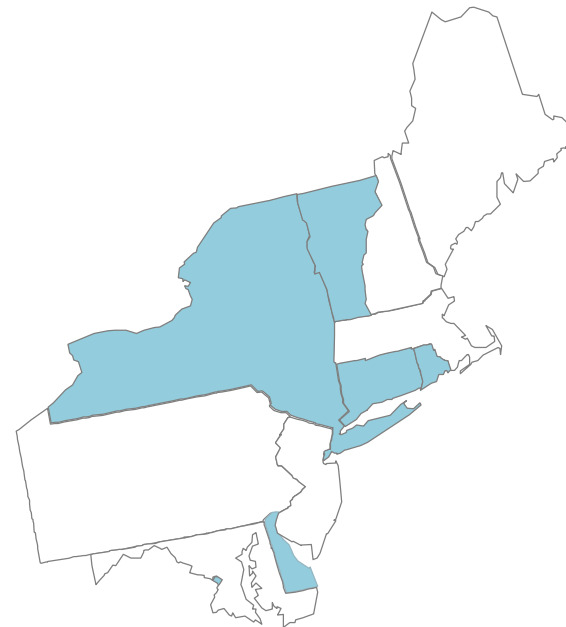
- 12 northeast and mid-Atlantic states and the District of Columbia
- TCI launched in 2010, Virginia joined in 2018
- State energy, environment, and transportation agencies
- Working together to reduce energy use and GHG emissions from transportation



# November 2015 Announcements

***“Our states will work together through TCI to develop potential market-based policies that, when combined with existing programs, are targeted to achieve substantial reductions in transportation sector emissions and provide net economic benefits.”*** – Connecticut, Delaware, Washington D.C., New York, Rhode Island, and Vermont

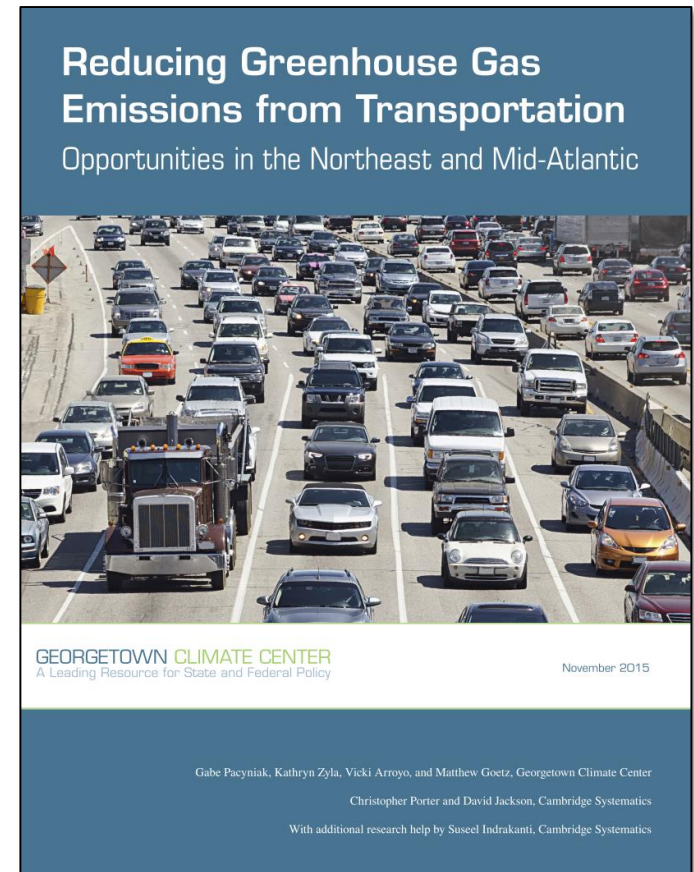
*Also, with supporting statements from New Hampshire and Maryland*



# 2015 Analysis Found Opportunity & Benefits

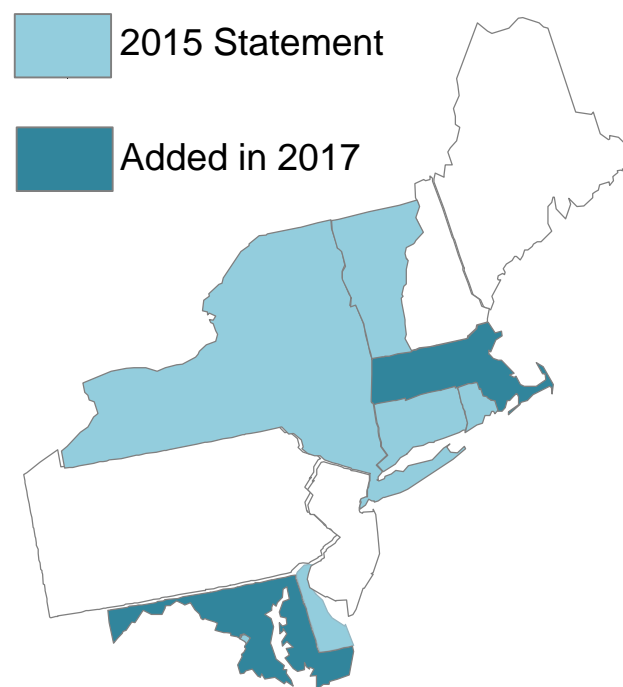
Findings included:

- States in the region not on track to meet long-term emissions goals.
- Up to 40 percent regional GHG reductions from 2011 levels by 2030 may be feasible.
- Estimated significant net economic, health, employment and environmental benefits of reinvesting \$3B annually.
  - Businesses save \$1.6 to \$3.2 billion by 2030
  - Consumers save \$284 million to \$1.2 billion by 2030

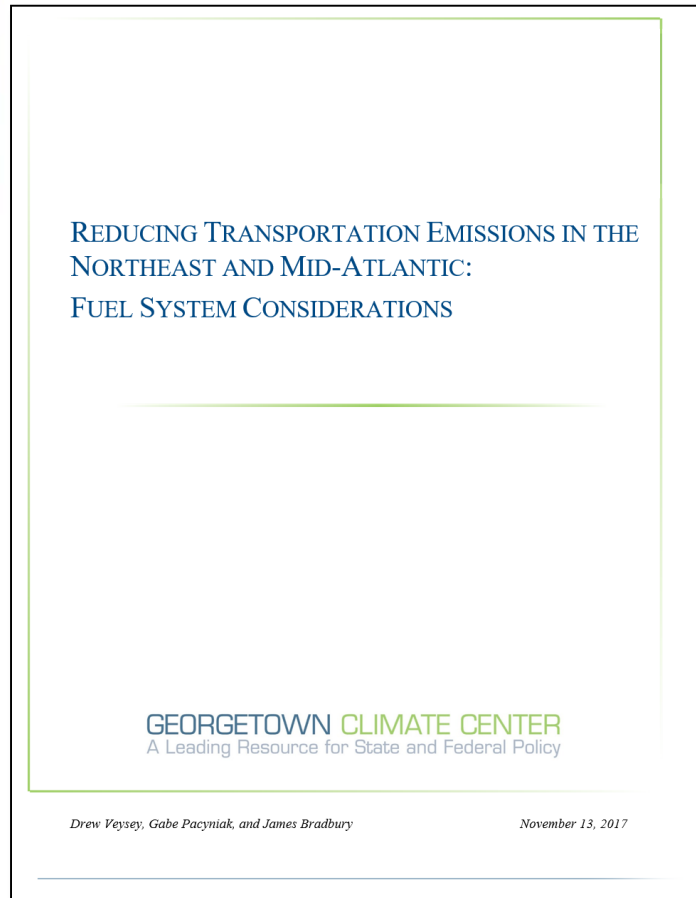


# November 2017 Announcement

*“Our states are now initiating a public conversation about these opportunities and challenges, the benefits we would all like to see in the transportation system of the future, and the policies that will enable us to realize this future together.”* – Connecticut, Delaware, D.C., Maryland, Massachusetts, New York, Rhode Island, and Vermont



# White Paper Analysis Focused on How a Market-Based Program Might Work



- Which fuels would be included?
  - Gasoline and on-road diesel
- Which entities would have a compliance obligation?
  - Prime Suppliers, which are large fuel wholesalers



# TCI Regional Listening Sessions



2018 public listening sessions to discuss opportunities and challenges of a low-carbon transportation system:

- April 9, in Albany, NY
- May 21, in Hartford, CT
- June 6, in Wilmington, DE
- July 24, in New York, NY
- August 27, in Largo, MD



# Policy Actions Identified by Stakeholders

1. Price emissions from transportation and reinvest proceeds
2. Accelerate electrification
3. Incorporate smart growth, zoning, and affordable housing
4. Encourage greater use of many transportation modes
5. Support expansion of alternative transportation fuels
6. Improve ports and other freight facilities



# TCI Regional Policy Announcement

- Announcement by 10 jurisdictions in December 2018
- **“design a regional low-carbon transportation policy proposal that would cap and reduce carbon emissions from the combustion of transportation fuels... and allow each TCI jurisdiction to invest proceeds from the program into low-carbon and more resilient transportation infrastructure.”** - CT, DE, MD, MA, NJ, PA, RI, VT, VA, D.C.



## TRANSPORTATION & CLIMATE INITIATIVE STATEMENT

December 18, 2018

The Northeast and Mid-Atlantic states are taking steps to develop cleaner transportation systems that reduce congestion, promote walking, bicycling and transit use, support innovation and economic growth, improve air quality, help communities become resilient to extreme weather events, and equitably share the benefits and burdens among users. Since 2010, we have collaborated through the Transportation and Climate Initiative (TCI), recognizing that our states and communities in this region and across the United States are already experiencing the serious impacts of climate change. Emissions from transportation account for the largest portion of the region's carbon pollution and a recent report by the Intergovernmental Panel on Climate Change found that ambitious reductions are needed within the next decade to avoid dangerous impacts to public health, infrastructure, and the environment. Advancing low-carbon transportation solutions presents an opportunity for our region to improve the way people and goods move from place to place while addressing the threats posed by carbon and other pollution.

TCI member jurisdictions recognize that a regional low-carbon transportation policy would enable us to cut carbon pollution in line with our emission reduction goals. In 2017, several TCI jurisdictions committed to engage with the public in a conversation about the "opportunities and challenges, the benefits we would all like to see in the transportation system of the future, and the policies that will enable us to realize this future together." Over the past year, dozens of TCI state officials facilitated regional listening sessions with 500 stakeholders to discuss low-carbon transportation goals, needs, and policy solutions. A diverse group of stakeholders in the region have expressed strong interest in the potential for establishing a market-based policy to reduce carbon pollution from the transportation sector. Public input and other expert policy analyses underscore the potential economic, environmental, and public health benefits of reinvesting the proceeds from such a program into more clean transportation options, such as public transit, transit-oriented development, zero-emission vehicles, innovative efficiency strategies, and other solutions that move people and goods more efficiently while generating less pollution, including in environmental justice communities.

*Informed by input from hundreds of stakeholders and expert analysis, the participating TCI jurisdictions will design a regional low-carbon transportation policy proposal that would cap and reduce carbon emissions from the combustion of transportation fuels through a cap-and-invest program or other pricing mechanism, and allow each TCI jurisdiction to invest proceeds from the program into low-carbon and more resilient transportation infrastructure. This proposed program, when combined with existing programs and complementary policies, will be designed to achieve substantial reductions in transportation sector emissions and provide net economic and social benefits for participating states.*

[www.transportationandclimate.org](http://www.transportationandclimate.org)

[www.transportationandclimate.org/nine-states-and-dc-design-regional-approach-cap-greenhouse-gas-pollution-transportation](http://www.transportationandclimate.org/nine-states-and-dc-design-regional-approach-cap-greenhouse-gas-pollution-transportation)

# 2019 TCI Regional Policy Design Overview

Phase	Timing	Milestones
Phase 1	January-March 2019	<ul style="list-style-type: none"><li>• Identify milestones</li><li>• Finalize workplan, schedule, and processes</li></ul>
Phase 2	April-July 2019	<ul style="list-style-type: none"><li>• Conduct modeling and policy analysis</li><li>• Conduct further stakeholder engagement</li><li>• Coordinate activities to inform decision-making</li></ul>
Phase 3	August - November 2019	<ul style="list-style-type: none"><li>• TCI state leadership reviews input from stakeholders and expert analysis to develop specific regional policy options to share with the public, inviting feedback.</li></ul>
Phase 4	December 2019	<ul style="list-style-type: none"><li>• Public release of a regional low-carbon transportation policy proposal</li></ul>

# TCI Public Outreach, 2019

## Technical Workshop, Boston

- Initiated the public dialogue about a cap and invest program for regional transportation
- Building common understanding among state officials and the public regarding policy design options and modeling strategies for evaluating costs and benefits of a program



## Workshop & Roundtable Discussion, Newark

- Convened stakeholders to build relationships and discuss viable strategies to address equity



## TCI Public Outreach, 2019 (cont.)

- **Video: Cap and Invest 101**

*TCI website*

- **Webinar: Reference Case Assumptions for Policy Program Design**

*May 23 – 11:00 am to 12:00 pm*

- **UPCOMING - Workshop: Low-Carbon Transportation Investments, Strategies and Outcomes**

*July 30 – University of Maryland, Baltimore*

*Registration is now open at:*

<https://www.transportationandclimate.org/>

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