

TCI 101 Webinar

June 20, 2019

Noon to 1:00 p.m.

Hosted By

OUR TRANSPORTATION FUTURE

Modern. Clean. For Everyone.



- Bruce Ho advocates for clean energy, clean transportation, and climate policies as a member of NRDC's Eastern Energy and Sustainable FERC Project teams. Currently, he focuses on the Regional Greenhouse Gas Initiative, modernizing transportation in Northeast and Mid-Atlantic states, and the New England electricity grid.
- Prior to joining NRDC, he worked in the U.S. Senate and U.S. House of Representatives and as a lecturer at Yale Law School.
- He holds a bachelor's degree from the University of Texas, Austin, a master's from the Yale School of Forestry and Environmental Studies, and a J.D. from Stanford Law School.



Bruce Ho

SENIOR ADVOCATE,
CLIMATE & CLEAN ENERGY PROGRAM

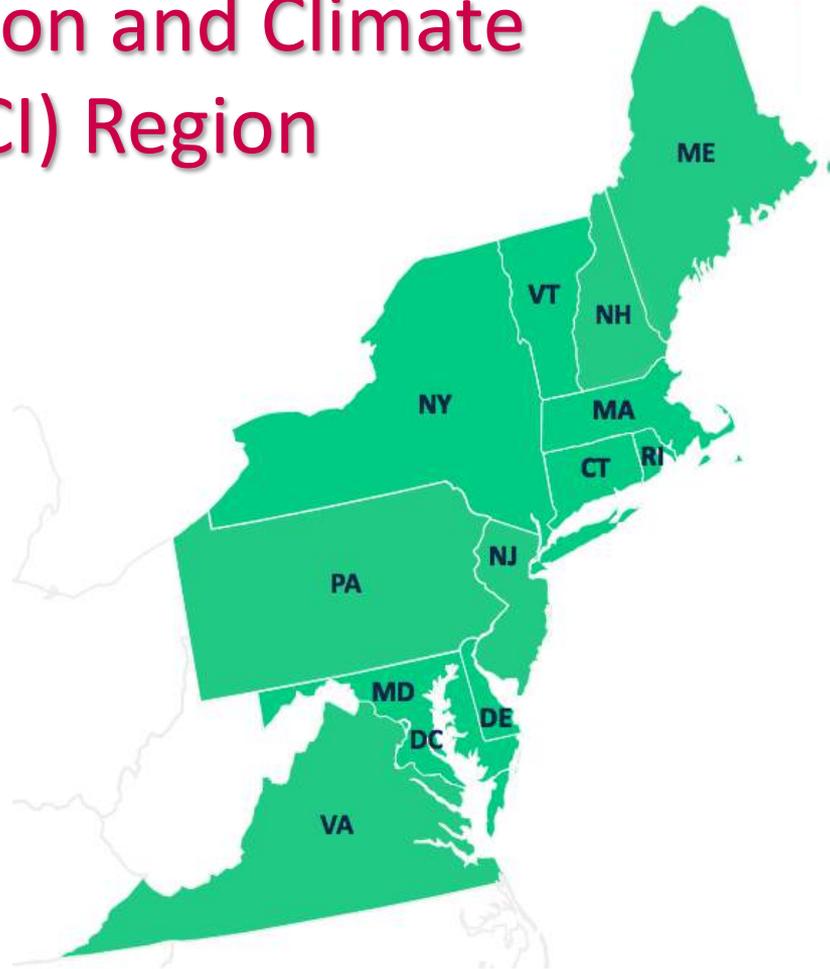
TCI-101

An Informational Webinar on: The Transportation & Climate Initiative

- Introductions and agenda
- Who is Our Transportation Future?
- What is the problem we are trying to solve for people who live in the Northeast and Mid-Atlantic?
- What is the Transportation & Climate Initiative (TCI)?
- How would a cap-and-invest system for transportation emissions work?
- What are the key outstanding questions in developing TCI?
- What is the timeline going forward?
- How can people get involved?
- Question & Answer Period



Transportation and Climate Initiative (TCI) Region







- Jennifer Wallace-Brodeur leads the Transportation Efficiency practice at Vermont Energy Investment Corporation (VEIC), focusing on transit and school bus electrification projects and programs to accelerate EV adoption.
- She also leads clean transportation policy work at VEIC, and represents VEIC on state and regional climate and clean transportation stakeholder groups.
- For over 20 years she has successfully led teams to advance program and policy solutions on a range of issues at the national, state and local level. She has extensive experience on active transportation, electric vehicles, planning, land use, and mobility issues, particularly for older adults.

Jennifer Wallace-Brodeur
DIRECTOR, TRANSPORTATION EFFICIENCY
VEIC



Who is Our Transportation Future?

- Coalition of local, regional and national organizations committed to modernizing transportation across the Northeast and Mid-Atlantic
- 55 groups from every state in the region
- Diverse set of interests represented



What are the Goals?

Modernizing the existing transportation system should:

- Reduce vehicle pollution that contributes to unhealthy air quality and climate change
- Create new economic opportunity for people and communities
- Jump-start new investments in bikeways, pedestrian walkways, electric vehicle infrastructure, and improved public transit.

www.ourtransportationfuture.org/coalition





- Lee Matsueda, is Political Director at Alternatives for Community and Environment (ACE).
- ACE is a community based environmental justice (EJ) organization. Its mission is to build the power of communities of color and low-income communities in Massachusetts to eradicate environmental racism and classism, create healthy, sustainable communities, and achieve environmental justice.
- Lee joined ACE in 2005 and has served as an organizer and then program director with the T Riders Union (TRU) program, fighting with communities to create a more affordable, reliable and accessible public transportation.

Lee Matsueda

POLITICAL DIRECTOR,
ALTERNATIVES FOR COMMUNITY AND
ENVIRONMENT (ACE)



Our People





Our Planet



Our Process



Georgetown Climate Center



Georgetown Climate Center



NEIGHBORHOOD ASSEMBLY



- Lindsey Mendelson develops and coordinates advocacy campaigns and cultivates grassroots support at Sierra Club to help cut pollution from Maryland's transportation sector and invest in mass transit, electric vehicles, and walking and biking infrastructure.
- She brings several years of experience in community organizing and has directed community outreach offices of more than 30 staff to raise support for environmental initiatives and register underrepresented voters.
- She received a B.S. from the University of Illinois in environmental science.

Lindsey Mendelson

CLEAN TRANSPORTATION
REPRESENTATIVE,
MARYLAND SIERRA CLUB



What is TCI?



Collaboration of Northeast, Mid-Atlantic states + D.C. working to reduce carbon emissions and air pollution and promote clean transportation systems

- Accelerate zero emission vehicles and infrastructure
- Promote walking, biking, and public transit
- Modernize transportation & use new technologies

The TCI Regional Listening Sessions

What We Heard: Summary Report

November 14, 2018





**TRANSPORTATION &
CLIMATE INITIATIVE**
Of the Northeast and Mid-Atlantic States

TRANSPORTATION & CLIMATE INITIATIVE STATEMENT

December 18, 2018

[Today's statement](#), endorsed by **Connecticut, Delaware, Maryland, Massachusetts, New Jersey, Pennsylvania, Rhode Island, Vermont, Virginia, and Washington, D.C.**, describes the goals of such a program, including reducing climate changing pollution, creating economic opportunity, and improving transportation equity for currently underserved and overburdened populations. It also sets a goal of completing the policy design process within one year, after which each jurisdiction will decide whether to adopt and implement the policy.

What Would Investing In Clean Transportation Get Us?

A recent analysis by the Georgetown Climate Center found that investing **\$3 billion annually** in the Northeast states to reduce vehicle GHG emissions would:

- Create more than **100,000 new jobs** in the region
- Put more than **\$13.4 billion** into families' pockets in 2030 alone
- Spend less time in traffic, saving between **385 million to 1.36 billion hours** in the region in 2030

Clean transportation investments would also save thousands of lives by reducing local air pollution.

Transportation Pollution in the Northeast + Mid Atlantic Regions (including DC)⁷



291.8

MILLION METRIC TONNES
OF CO₂

in 2014 from vehicle emissions



61,637,957

CARS DRIVEN *in 1 year*



85

COAL-FIRED POWER
PLANTS *in 1 year*

**numbers are approximate*



- Jordan leads Acadia Center’s work to establish and strengthen regional and state programs to reduce climate pollution with a focus on three related issues: strengthening the Regional Greenhouse Gas Initiative (RGGI); advancing state-level carbon pricing initiatives; and developing regional climate policy to reduce pollution from the transportation sector.
- Before joining Acadia Center in 2014, Jordan was an Energy Policy Analyst at Pace Energy and Climate Center at Pace Law School.
- He holds a BS in Environmental Studies and International Relations from Tufts University and a Masters in Environmental Management from the Duke Nicholas School of the Environment.



Jordan Stutt

CARBON PROGRAMS DIRECTOR,
ACADIA CENTER

Cap-and-Invest for Transportation

- What is cap-and-invest?
- Familiar model for TCI states
 - Acid Rain Program (1995): SO₂ from power plants
 - Regional Greenhouse Gas Initiative (2009): CO₂ from power plants
 - Western Climate Initiative (2013): CO₂ from multiple sectors in Quebec and California
- Cap-and-invest doesn't operate in a vacuum
 - Works best when paired with complementary policies



Regional Cap on CO₂ Emissions

Sources of CO₂



Environmental
Ambition



Regional,
Declining Cap

- States determine which sources of CO₂ will be covered
- States decide how aggressively to reduce CO₂ emissions
- Regional cap determines allowable CO₂ emissions



Allowances & Auctions

- States create allowances
- 1 allowance = 1 ton CO₂
- Compliance entities must submit 1 allowance for each ton of CO₂ they are responsible for
- Allowances distributed through auctions
- Allowance auctions generate proceeds for states to invest



Investing TCI Proceeds

- Proceeds invested to achieve state goals
- Specific investments determined individually by states

**From December 2018
TCI Announcement:**

- Reduce climate changing pollution
- Create economic opportunity
- Improve transportation equity for overburdened and underserved communities





Alli Gold Roberts

SENIOR MANAGER, STATE POLICY
CERES



Ceres

Sustainability is the bottom line.

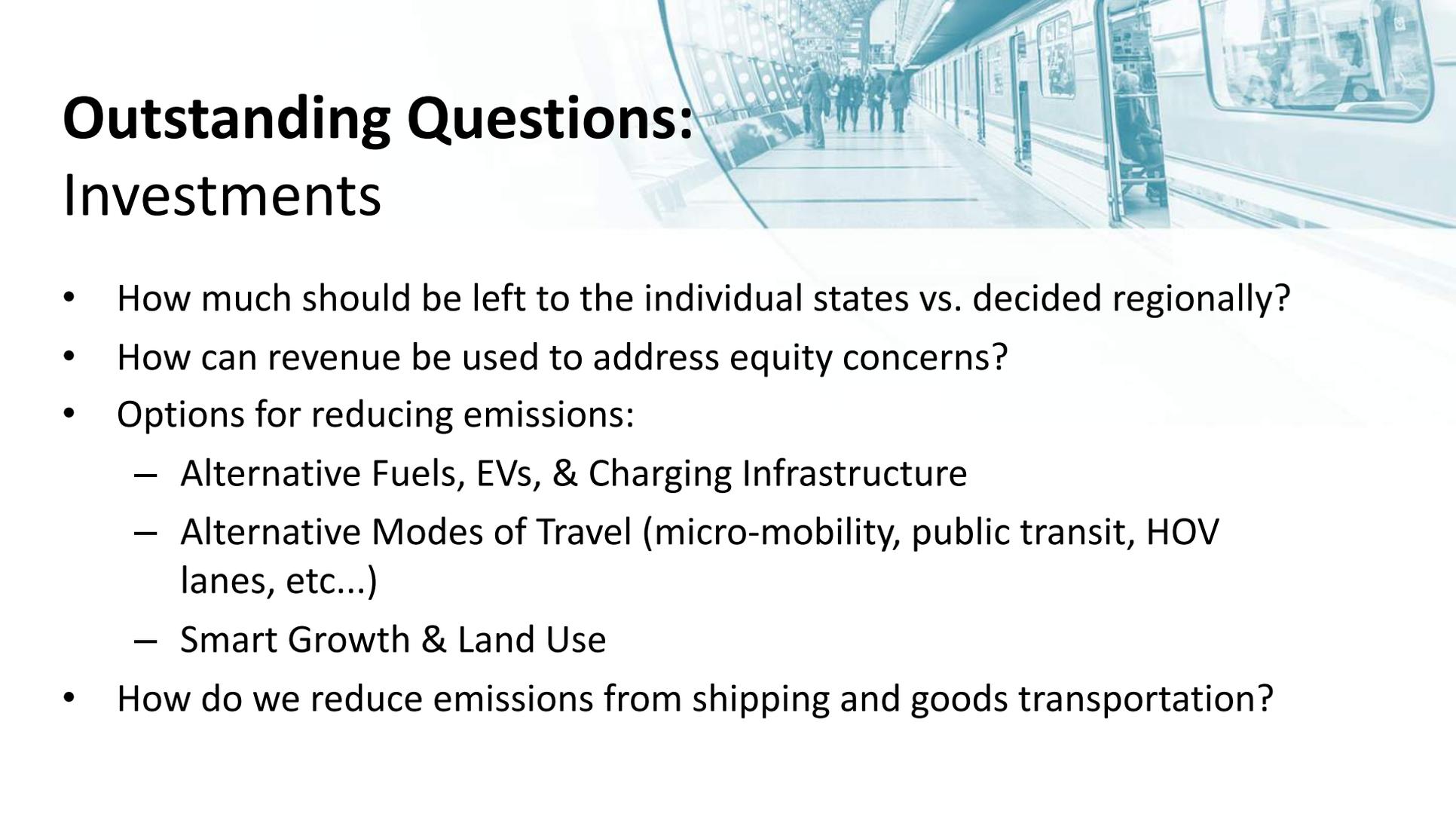


- Alli Gold Roberts leads the Ceres state policy program and leverages the influential voice of the business community to advance climate, clean energy and clean transportation policy.
- Prior to joining Ceres, Alli worked at MIT's Joint Program on the Science and Policy of Global Change supporting media relations, stakeholder engagement, and communications.
- She previously worked as the New and Digital Media Director for the 2012 reelection campaign of Congresswoman Niki Tsongas.
- Before moving to Boston, Alli worked at the U.S. Environmental Protection Agency as an Oak Ridge Institute for Science and Education fellow.

Outstanding Questions: Program Design

- How will the emissions cap work?
- Which fuels will be included?
- Which states will be part of the final program?
- How ambitious will the program be at the outset?
- What kind of price floor will ensure the program is effective?
- Are there ways to target the locality of emissions reductions to support EJ communities?





Outstanding Questions: Investments

- How much should be left to the individual states vs. decided regionally?
- How can revenue be used to address equity concerns?
- Options for reducing emissions:
 - Alternative Fuels, EVs, & Charging Infrastructure
 - Alternative Modes of Travel (micro-mobility, public transit, HOV lanes, etc...)
 - Smart Growth & Land Use
- How do we reduce emissions from shipping and goods transportation?

Outstanding Questions: Interactions with Complementary Policies

- Gas taxes
- Congestion pricing
- Power sector decarbonization (RGGI)
- Electric Vehicle charging networks
- Rural transportation networks
- Urban land use
- EV tax credits & incentives
- Vehicle Miles Traveled



Outstanding Questions: Public Input

- Workshop July 30th, 2019 in Baltimore, MD
 - “Low Carbon Transportation Investments: Strategies and Outcomes”
- Summer & Fall 2019: Share comments and input directly with governors, legislators and GCC
- December 2019 – Estimated release of the Policy Proposal
 - Work with states to provide input on implementation
 - Advocacy within states about how to adopt the policy & utilize revenue





- Angela Johnson is Transportation Justice Organizer at Transportation for Massachusetts (T4MA), working with its members and community based organizations to promote equitable access to transportation, and to help ensure fairness and opportunity as technology transforms mobility.
- Angela is the Vice President of the Board of Directors at the Boston Cyclists Union, has a Masters in Urban and Regional Policy from Northeastern University, and a B.A. in Interdisciplinary Studies with a concentration in Urban Planning from the University of Texas at Arlington.

Angela Johnson-Rodriguez

TRANSPORTATION JUSTICE ORGANIZER,
TRANSPORTATION FOR
MASSACHUSETTS (T4MA)



Timeline: TCI in 2019



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

Timeline: TCI in 2020 and beyond



Phase	Timing	Activities (by the TCI States)
Phase 5	2020	<ul style="list-style-type: none">• TCI states begin formally adopting the policy into their state laws
Phase 6	2021?	<ul style="list-style-type: none">• Once a critical mass of states have adopted the policy, implementation begins• Allowance proceeds are invested in clean and modern transportation solutions

Get Involved

- Stay up to date:
 - Sign up for our monthly newsletter at www.ourtransportationfuture.org
 - Follow us on Twitter: [@TranspoFuture](https://twitter.com/TranspoFuture)
- Join the coalition: join@ourtransportationfuture.org
- Media inquiries: news@ourtransportationfuture.org



Q & A

