Transportation and Climate Initiative (TCI)

Reducing Air Pollution & Improving Mobility Options in Rhode Island
Acadia Center Background

Acadia Center works at the intersections of energy and climate change: power generation and consumer-side energy resources; transportation; land use; and carbon emissions reductions and mitigation.
RI Greenhouse Gas Emissions

Source: RI DEM GHG Emissions Inventory
How TCI Works

**How the Policy Would Work**

1. **Cap Pollution**
2. **Polluters Pay**
3. **Communities Benefit**
Clean Mobility Investments

TCI is projected to bring $20 million, annually, into Rhode Island.
Equity Commitments

• RI will establish Equity Advisory Board with majority representation from overburdened and underserved communities
  • Environmental Justice, Health Equity Zones, Green Justice Zones
  • Advise state on annual investment plans to achieve emissions reduction and enhance access to transportation services
Equity Commitments

• RI will invest a **minimum** of 35% of TCI Proceeds to reduce transportation pollution in overburdened and underserved communities
  • State and Equity Advisory Board will monitor progress and adjust investment strategies if pollution reduction goals are not met
TCI Health Benefits

Health Benefits in Rhode Island:

Up to $140 Million Per Year by 2032
Current Transportation Pollution

Transportation Emissions by County
Year: 2017

Distribution of Emissions by Vehicle Type
Year: 2017

Emissions Over Time
2005-2017

Vehicle Type
- Motor Home
- Transit Bus
- Refuse Truck
- Single Unit Long-haul
- School Bus
- Motorcycle
- Intercity Bus
- Combination Short-haul
- Single Unit Short-haul
- Light Commercial
- Combination Long-haul
- Passenger Truck
- Passenger Car
Current Transportation Pollution

Transportation Emissions by County
Year: 2017

Distribution of Emissions by Vehicle Type
Year: 2017

Emissions Over Time
2005-2017

Vehicle Type
- Motor Home
- Transit Bus
- Refuse Truck
- Single Unit Long...
- School Bus
- Motorcycle
- Intercity Bus
- Combination Sho...
- Single Unit Short...
- Light Commercial...
- Combination Lon...
- Passenger Truck
- Passenger Car
Current Mobility Trends

How Residents Get to Work
Percentage of workers over age 16, 2018

Source: Federal Bureau of Transportation Statistics
Clean Mobility Investments

TCI will significantly cut pollution, while investing in cleaner transportation and healthier communities for all. This program is expected to:

- improve air quality by reducing harmful GHG, NOx, and PM 2.5 emissions
- reduce health concerns such as asthma caused by poor air quality
- decrease health care costs and lost productivity for businesses
- improve public transit system through expansion and electrification
- help businesses purchase and support EV fleets and charging stations for employee vehicles
- encourage the use of cleaner and quieter vehicles in neighborhoods
- reduce congestion for commuting employees and increase productivity
- enable drivers to switch to more efficient vehicles and fill up less at the pump
- expand safe bike lanes, bike paths, walking trails, and sidewalks
- create incentives for continued telecommuting to reduce long commute times
- improve high speed wireless internet in rural and low-income areas
- create jobs through infrastructure investments and boost the economy
Investments in Your Communities
TCI Investments-ZEV

Fund and Update DRIVE Rebate Program for Electric Vehicles:
• Institute MSRP Cap for Rebate Eligibility
• Add incentives for used EV purchases
• Allocate portion of incentives for underserved communities
  • Set asides or bonus incentives for purchasers in Health Equity Zones
• Expand eligibility to E-bikes
TCI Investments- EV Charging Network

Expansion of EV charging network (State and Regional Priority)

- Leverage Existing National Grid Incentives
- Expand Electrify RI Program
- Prioritize Public Access and Public Properties
  - Beaches, parks, transit hubs, park & rides
  - State offices, higher education facilities
TCI Investments-Transit

Continue to increase and expand RIPTA service with low- and zero-carbon vehicles, particularly on routes in frontline communities.
Expanding Commuter Rail Service Within Rhode Island

• More frequent service

• Additional stations along spine connected as mobility hubs
TCI Investments- Ports and Regulated Ferry Services

Electrifying Port & Dock Operations

• Reduce Ship Idling
• Electrify Drayage Vehicles, Cranes, Forklifts, etc.
• Ferry Services
  • Hybrid Ferry Boats Entering Service in Washington State in 2022
TCI Investments-Connected Communities

Accelerate investments in complete streets, safe pedestrian and bicycling investments that connect communities.

Statewide Bike Share Connected to Transit/Tourism Hubs
RI Groups Working Together on TCI

...And many more! Next Call this Friday April 9th at 2pm. Email hwebster@acadiacenter.org to join.
Additional Resources

- [www.TCI4RI.com](http://www.TCI4RI.com)
- [www.TransportationAndClimate.org](http://www.TransportationAndClimate.org)
- Or, just call or text me anytime!
Hank Webster
Rhode Island Director & Staff Attorney
144 Westminster St., Suite 203
Providence, RI 02903
401.276.0600 x402
401.239.8500(c)

hwebster@acadiacenter.org
Twitter: @AcadiaCtr @HankWebster