



RHODE ISLAND PUBLIC TRANSIT AUTHORITY

GETTING TO ZERO: NEDC Partners Meeting

7/11/2019

Vision

- Consensus about the problem
- Focus:
 - Best ways to reduce emissions
 - Best ways to protect ourselves
- Resilient Rhode Island Act

Policies

- Greenhouse Gas Emissions Reduction Plan (December 2016)
 - Specific policies in energy, heating, transportation & land use
 - VMT reduction and EV adoption
 - Lead by Example to enable markets
 - Commitment to increase renewable energy ten-fold to 1000 MW by 2020
 - US's first offshore wind farm
 - Leverage Regional Collaboration
 - RGGI, TCI, NGA, NEG/ECP
 - Monitor Progress



Policy Focus: Clean Trips

- VMT reduction through street design

Before



After



[Source: NACTO - Transit Streets Guide](https://nacto.org/publication/transit-street-design-guide/transit-streets/street-environments/)

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Policy Focus: Clean Transit

- Lead by Example but with constrained resources
- Reviewed various propulsion options that could help us reduce emissions
 - Additional capital cost
 - Unclear operational costs/savings
- Committed to looking for opportunities to reduce risk of investments through grants and pilot projects
- VW settlement program
 - Phase I: Opportunity to pilot the technology
 - Phase II: Assist with incremental costs for up to 20 vehicles

Leverage and Amplify Resources

- Public Utility Commission
- National Grid
- Federal Transit Administration grants
- State Agency partners – RIDEM, RIOER, RIDOT
- Governor's Office
- Federal delegation
- Advocacy groups

Challenges to Wider Adoption

- Battery Electric Expansion
 - Optimizing electrical use/power
 - Emergencies with extended power outages
 - Range
 - Cold weather performance
 - Battery life
 - Space
- Other strategies
- Resources



Widespread deployment in China

GETTING TO ZERO:

How global, national, regional, and local initiatives inspire partnership and action to advance toward zero-emission technology adoption

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