

Mobility & Transportation Stakeholder Challenge

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Clean Transportation at NYSERDA

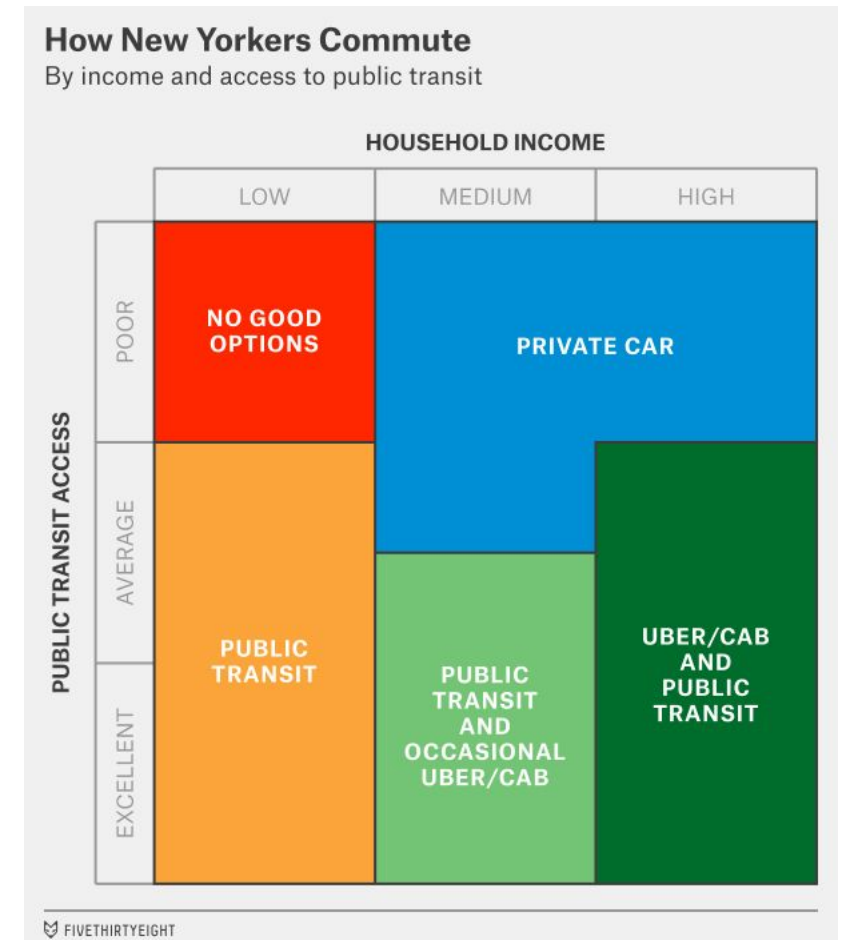
- **Goal:** Develop, demonstrate and deploy cutting edge technologies, policies, and business models that expand the use of:
 - Electric Vehicles
 - Public Transportation
 - Mobility Management
- Manages and invests >\$200 million in R&D, demonstrations, and incentives
- Responsible for innovation, market development, and policy development
- **Focus on equity** – access to clean transportation, improved quality of life

Key Issues

- > Transportation is the largest source of **greenhouse gas emissions** in New York and a significant source of co-pollutants, notably from medium- and heavy-duty vehicles
 - Disproportionately affects disadvantaged communities (DACs)
- > Clean, **affordable** transportation options that enable **access** to education, work, and essential services are limited or lacking in many DACs
 - Transportation is 2nd largest household (HH) cost¹
 - HHs in bottom 5th spend 28.8% of income, top 5th only 9.5%
 - Commute time is the single largest factor in determining a HH's odds of escaping poverty²

1: <https://data.bts.gov/stories/s/ida7-k95k>

2: <https://www.nytimes.com/2015/05/07/upshot/transportation-emerges-as-crucial-to-escaping-poverty.html>



One size does NOT fit all...

- Wide range of local conditions and community needs (e.g., transit access, bike/ped infrastructure, public EVSE)
 - “A nation of small towns³” – 76% of incorporated places have pop. <5,000 (not all like NYC!)
- **Insufficient funding for clean, affordable options that meet local needs**
 - NYSERDA has committed \$85M in prize awards to electrify transportation, enhance mobility, reduce transportation emissions -> supporting innovation, replicability, community-alignment
 - Further resources are needed for additional community needs assessments and expansion of these solutions to more locations across the state
 - This is also emphasized in the recommendations put forth by the Transportation Advisory Panel to the Climate Action Council

3: <https://www.census.gov/library/stories/2020/05/america-a-nation-of-small-towns.html>

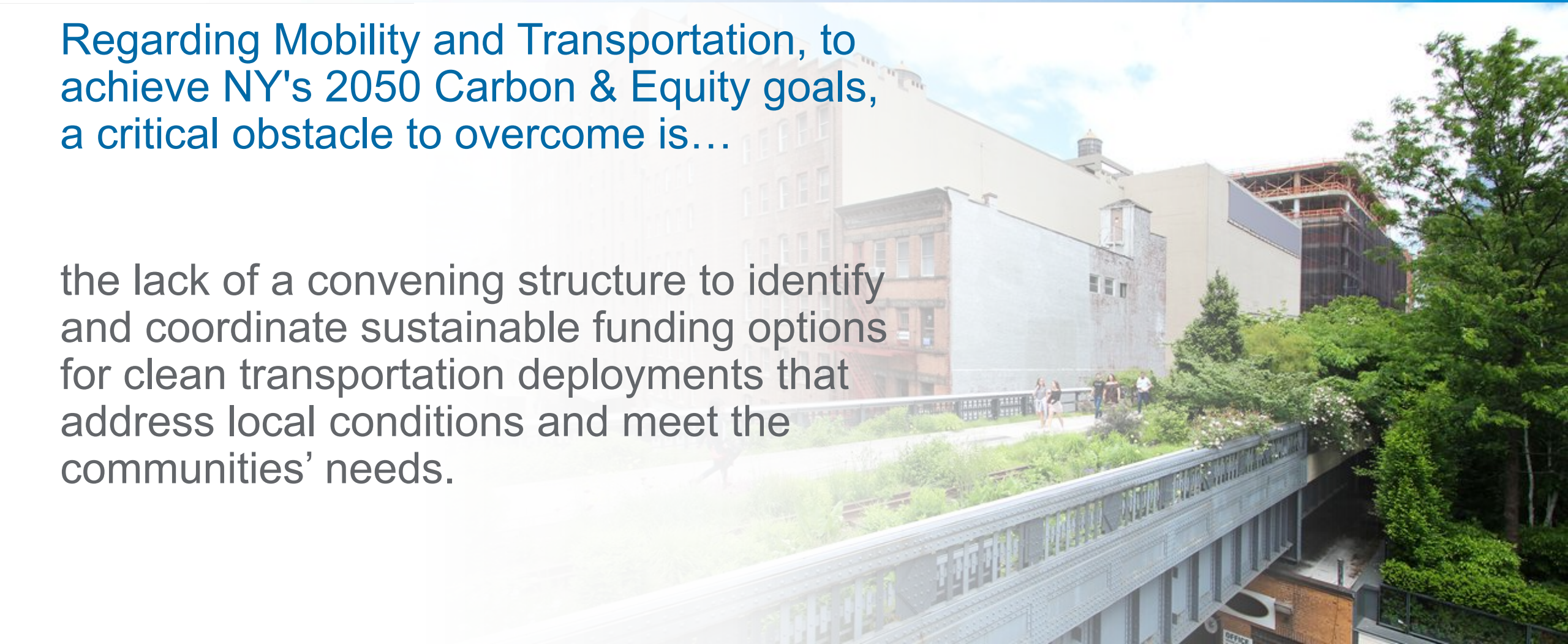
Benefits of Action

- Reduced energy consumption
 - Improved air quality
 - More equitable access
 - Improved affordability
 - Increased productivity
 - Increased safety
 - More rapid scaling of best solutions
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Challenge Statement

Regarding Mobility and Transportation, to achieve NY's 2050 Carbon & Equity goals, a critical obstacle to overcome is...

the lack of a convening structure to identify and coordinate sustainable funding options for clean transportation deployments that address local conditions and meet the communities' needs.



Thank you!