



# INCREASING ELECTRIC VEHICLE USE, EFFICIENT PUBLIC TRANSIT, AND MOBILITY MANAGEMENT

SYSTEMICALLY SHIFTING TOWARD GREATER TRANSPORTATION EFFICIENCIES

## INVESTMENT THESIS

The transportation sector generates 32% of fossil fuel-based greenhouse gas emissions in New York State. The State's climate goals are attainable by significantly shifting the transportation options we choose. NYSEDA is investing to drive the following changes: the exponential adoption of electric vehicles, extended reach and greater efficiency in the public transit system, and improved system performance through mobility management.

## NYSEDA EXPERIENCE

The Clean Transportation Program has enabled the development of transportation technologies through \$41 million of NYSEDA investment, which yielded \$166 million in follow-on investments and 22 commercialized solutions.

The program handles research and development (R&D) and market development, taking products from prototype, to commercialization and wider use. Examples of past success include hybrid transit buses and an adaptive traffic signal system.

NYSEDA has a long history of working with the Metropolitan Transportation Authority, New York Power Authority, New York State Department of Transportation, and New York City Department of Transportation on various transportation initiatives.

## AREAS OF INTEREST

**Electric Vehicles:** Reduce market barriers to adoption and develop products, policies, and business models to support the EV market.

**Public Transportation and Electrified Rail:** Extend the reach of the public transit system, as well as improve efficiencies.

**Mobility Management:** Achieve positive climate impacts through the roll-out of demand management, shared mobility, smart transportation systems, and connected and autonomous vehicles.

## NYSEDA INNOVATION PERSPECTIVE

"Corporations and cities have traditionally driven innovation in the transportation sector, but independently of each other. We're at an exciting junction today, as greater collaboration by all market players is allowing us to think holistically about system level optimization for transportation."—**Adam Ruder, Program Manager**  
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