

# AEG Mobility and Transportation Challenge

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# COVID-19: Sustainable Transportation

- New York City hard hit by COVID-19 with over 258K cases and over 19K deaths
- Essential workers in healthcare, cleaning, public transit and trucking keep the City running
- March 2020 – Mass transit ridership down 90% and traffic volumes down 30-43%
- November 2020 – subway ridership down by 70%, traffic volumes have largely recovered



# Just Sustainable Recovery

- NYC recognizes that the climate crisis presents an existential threat. Commitments to carbon neutrality by 2050 remain.
- Air pollution from traffic correlated with respiratory illness and COVID-19 morbidity
- Recovery from the pandemic relies on cleaner options and right-sizing vehicles used



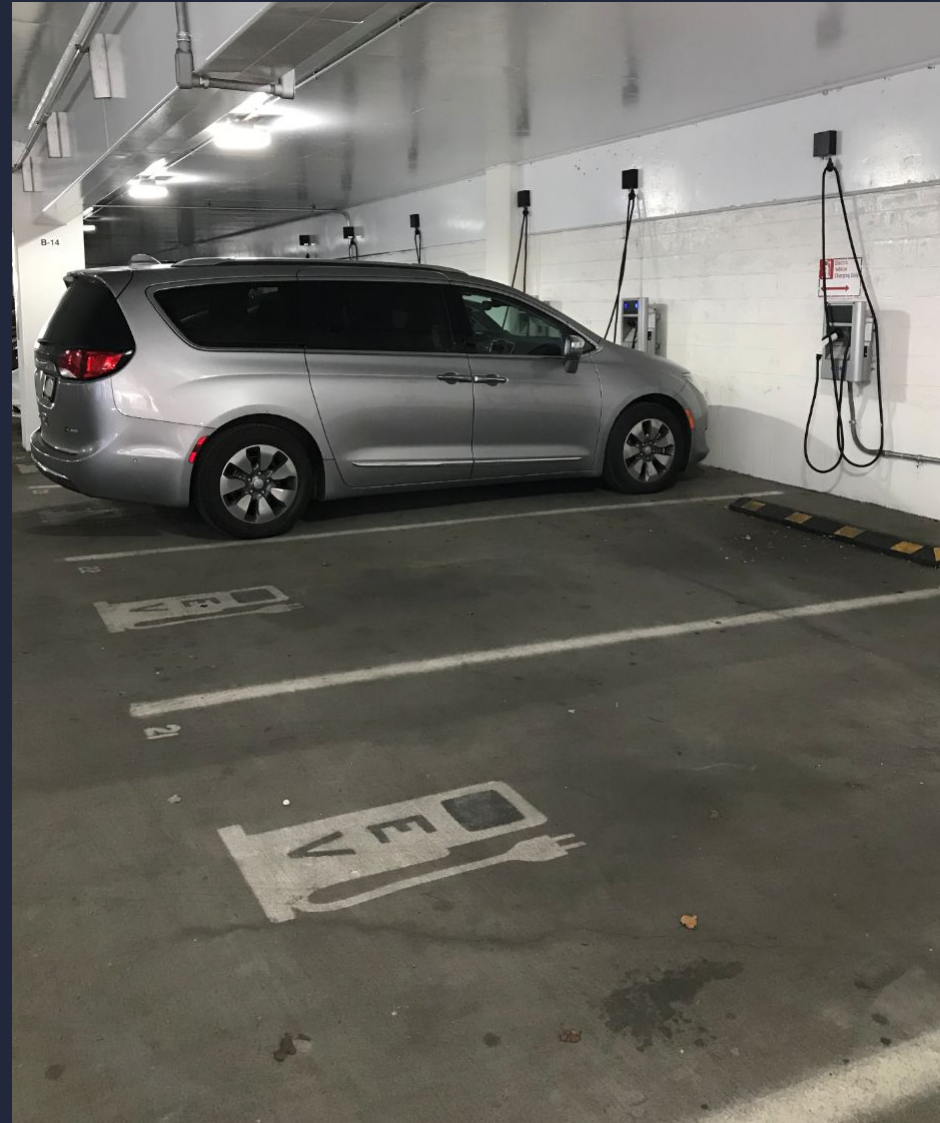
# Response: Sustainable Streets

- New York's open streets program conceptualized to provide space for safe social distancing
- Essential vehicles and local residents with cars can still access the street but are limited to 5 mph
- Designated open streets for cooling with shading and open fire hydrants during heat advisories
- Over 10,000 restaurants are operating outdoor dining on-street



# Recovery: ZEV Role

- City leadership in providing charging access:
  - NYCDOT continuing site design and planning for deployment of at least 8 fast chargers with plans to scale
  - Con Edison partnering with the City to deploy 120 level 2 chargers on street
- Cargo ebike pilot scaled by NYCDOT to 200 bikes operating in Manhattan
- NYC Fleet installed more than 25 fast chargers in 2020 for emergency fueling



# Recovery: Next Steps

A post-pandemic future is intrinsically tied with tackling the climate crisis

- We must react to underlying existing racial inequities echoed in rates of respiratory illness and COVID-19
- Unlocking sustainable transportation options improves our air quality, linked to mitigating preexisting conditions
- Wide scale economic mobilization needed

How do we build trust, develop low cost solutions and keep New Yorkers healthy?

