



ELECTRIC VEHICLE CHARGING PROGRAM

Community Board 7 TC Briefing
September 5th 2019

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Curbside EV Charging Pilot Program

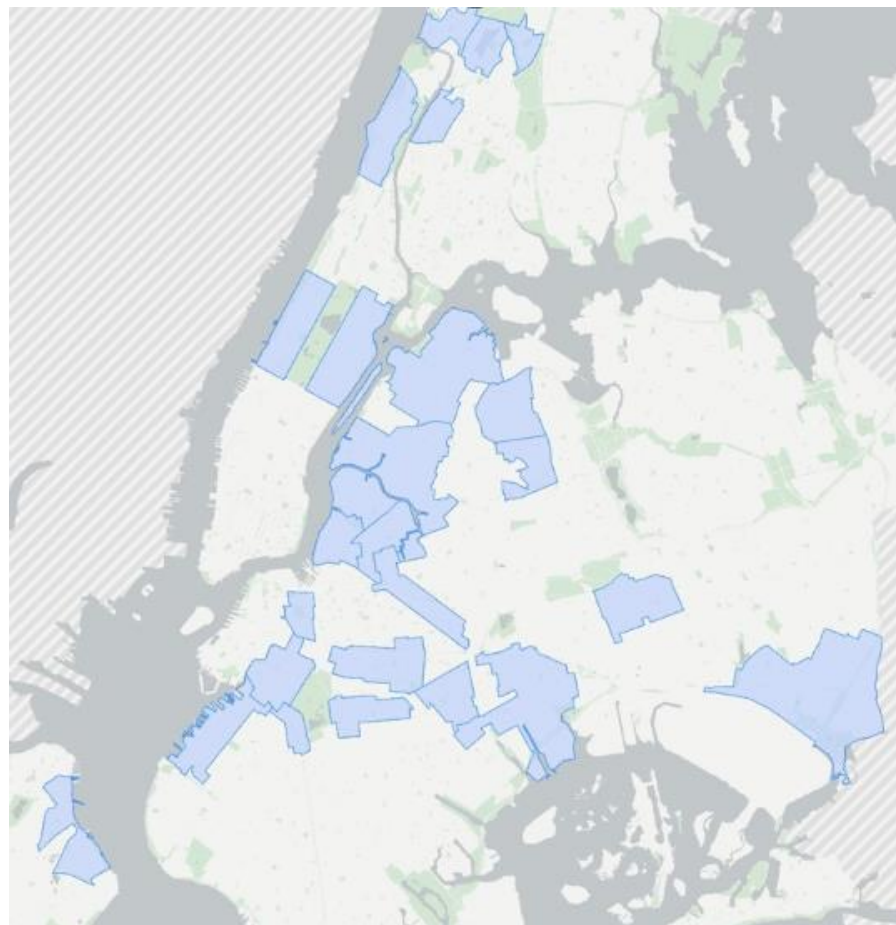
PROJECT BACKGROUND

Project Structure:

- **Partnership:** Con Ed and DOT will install 100 L2 EV charging ports on city streets for a four year demonstration.
- **Purpose:** Encourage EV ownership and test financial and operational feasibility of curbside EV charging.
- **User Cost:** Pay per time, charge cost comparable to gas

Project Details:

- 100 curbside charging ports citywide for public use
- **In CB 7, we are looking to confirm the following numbers of parking spaces:**
 - 4-6 in Kingsbridge
 - 2 in Van Cortland Village
 - 4 in Norwood



CURBSIDE CHARGER: HOW IT WORKS

RGBW LED Status Lights



Flashing white: The charger is waiting for the user to start a charge event.

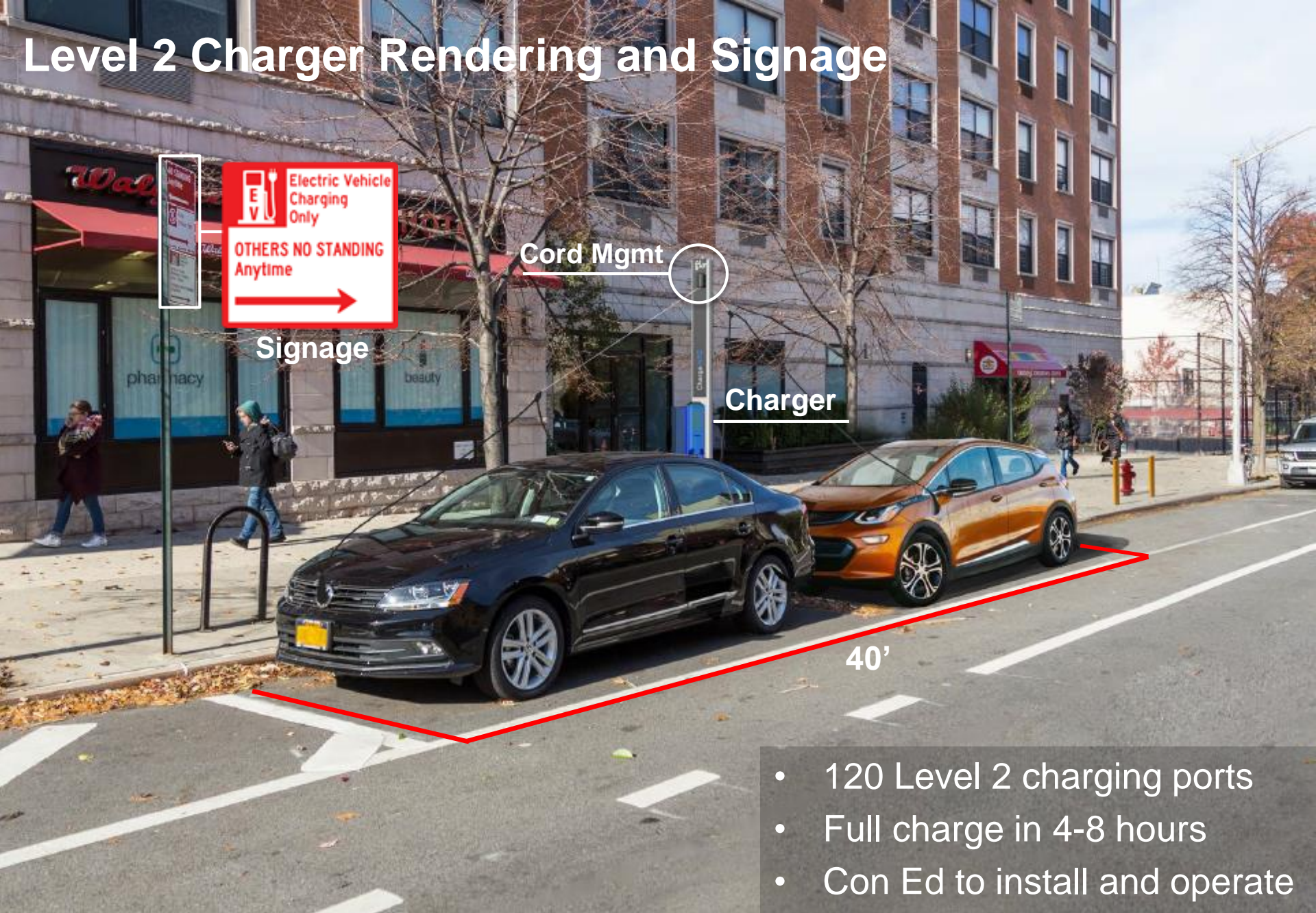
To start a Charge Event:

Once the user authentication is completed and the status light is flashing white

- 1 Open the flip-up door
- 2 Remove the connector from its holster
- 3 Open the vehicle charge port
- 4 Insert the connector into the vehicle charge port



Level 2 Charger Rendering and Signage



Electric Vehicle Charging Only
OTHERS NO STANDING Anytime

Signage

Cord Mgmt

Charger

40'

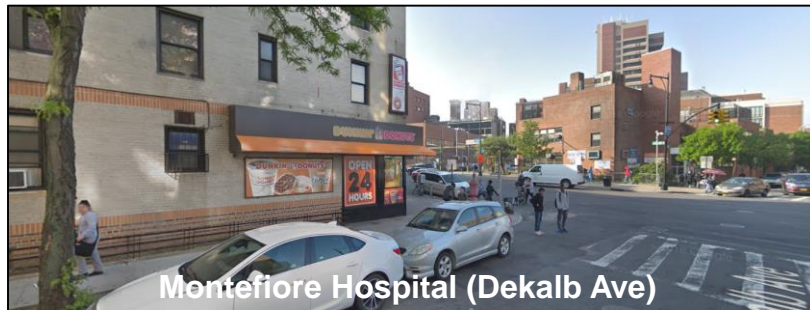
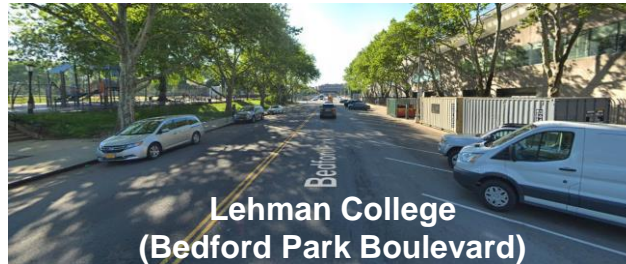
- 120 Level 2 charging ports
- Full charge in 4-8 hours
- Con Ed to install and operate

CB 7 SITE SELECTION AND SITES

Site Selection:

- Near major institutions, educational institutes and medical centers, commercial activity – high visibility, turnover, and utilization

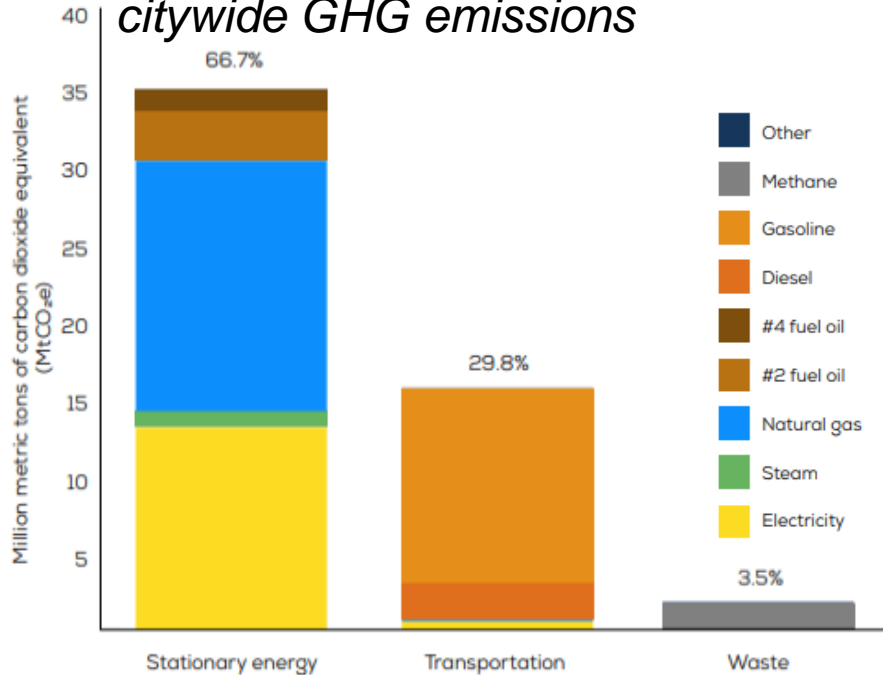
Locations to Confirm:



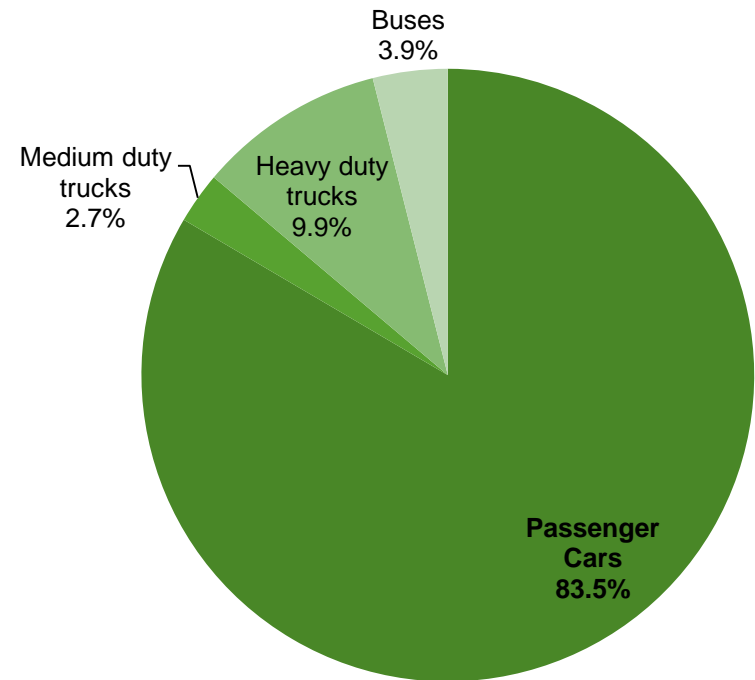
Background

CHALLENGE: PRIVATE CARS ARE A MAJOR SOURCE OF GHG EMISSIONS

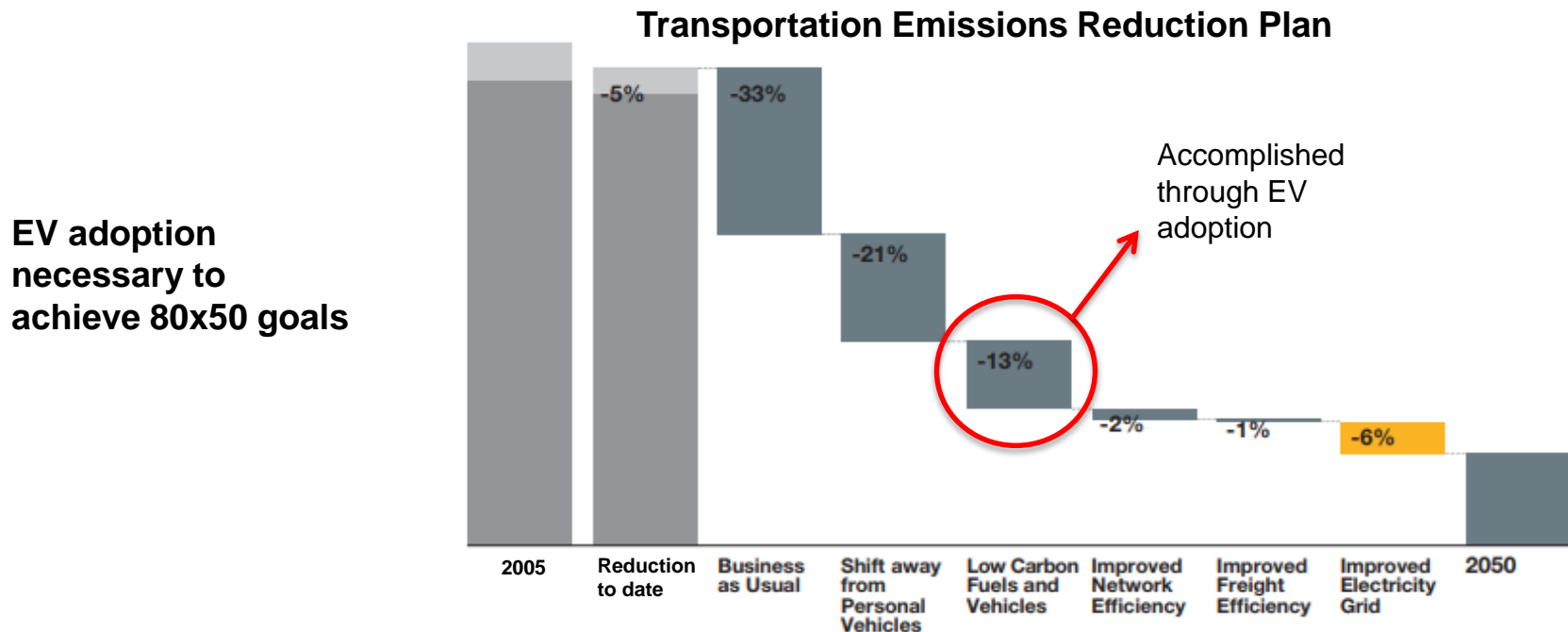
Transportation: constitute 30% of citywide GHG emissions



Passenger Cars: 83% of on-road transportation GHG emissions






INCREASING THE ADOPTION OF EVS IS KEY TO ACHIEVING CITY'S GHG GOALS



- **Goals of 80x50 plan and Paris Climate Agreement Executive Order 26:** requires electrification of most of the city's 1.8 M private light-duty vehicles.
- **Mayor's goal for 20% of new NYC vehicle registrations be EV by 2025:** requires more on- and off-street EV charging

EV CHARGING: HOW IT WORKS

	Level 1 	Level 2 	DC Fast 
Power Requirements	120V (1-3 kW)	240V (3-10 kW)	480 Volts (25-150 kW)
Charging Speed	5 miles per hour, 12+ hours for a full charge	12-25 miles per hour, 4-6 hours for a full charge.	100-600 miles per hour, 30 minutes for a full charge
Location	Home garage	Home garage, on street or parking field	Commercial locations, short stops, near highways

OUTREACH PROCESS

Outreach

- Bronx Borough Board Meeting in December 2018
- CM Cohen briefing in January 2019
- Rep. Espaillat briefing in April 2019
- Bronx CB7 TC Meeting in June 2019
- Notifications sent in April and July 2019 to CBs and Electeds for pilot neighborhoods and feasibility site checks

Public Feedback

- Launched public feedback portal where public can provide feedback on where DOT should or shouldn't locate chargers

Pilot Zones

- Notified elected officials and community boards where pilot neighborhoods are chosen, offer and conduct briefings on the program and feedback on suggested locations.

CB Engagement

- Conducted outreach to Community Boards and offered presentations and feedback on suggested locations.

Installation

- Spring 2020 for Authorized Parking for City Fleet, followed by installation of curbside public chargers.

THANK YOU!

Visit the NYC DOT Public Portal for FAQs on EV and to add a location for EV:

www.nyc.gov/charge

New York City Department of Transportation
Projects & Initiatives

Select Language + A - A NEW YORK CITY DOT


Curbside Level 2 Electric Vehicle Charging

NYC DOT project to install 100 curbside level 2 electric vehicle chargers across New York City.

Dashboard

Project Home
Overview
Where Should DOT Install Curbside EV Chargers?
Accessibility
Request an EV Charger Outside Your Business

PLANNING



PROJECT UPDATES

Thursday, August 30, 2016 - 10:53

Where would you like to see curbside EV chargers? Show us!

NYC DOT thanks you for your interest in curbside level 2 electric vehicle charging. Your feedback will help inform planners as they site 100 level 2 EV chargers across New York City.



QUESTIONS?

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