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 at the following numbers of parking spaces:**
  - 4 in Van Cortlandt Village
  - 4 in Norwood
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
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

Possible Location(s):

- Reservoir Oval (Reservoir Oval West)
- Montefiore Hospital/Moshulu Golf Course (DeKalb Ave)
- Putnam Place
- Bronx Botanical Gardens (East 201st St)
CB 7 SITE SELECTION AND SITES

Site Selection:

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

Possible Location(s):

- Kingsbridge Armory/National Ice Center (195th Street)
- Montefiore Medical Center (Tryon Ave)
- Fordham Hill/Fordham Road (Father Zeiser Pl.)
- Montefiore Medical Center (Wayne Ave)
CB 7 SITE SELECTION AND SITES

Site Selection:
• Near major institutions, educational institutes and medical centers, commercial activity – high visibility, turnover, and utilization

Possible Location(s):

Kingsbridge Armory/National Ice Center (195th Street)

Montefiore Medical Center (Rochambeau Ave)

Fordham Hill/Fordham Road (Father Zeiser Pl.)

Montefiore Medical Center (Wayne Ave)
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

<table>
<thead>
<tr>
<th>Power Requirements</th>
<th>Level 1</th>
<th>Level 2</th>
<th>DC Fast</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V (1-3 kW)</td>
<td>240V (3-10 kW)</td>
<td>480 Volts (25-150 kW)</td>
<td></td>
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</tbody>
</table>

| 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
- Notifications sent in April 2019 to AMs Rivera, Fernandez, Dinowitz; Sens. Rivera, Biaggi, Bailey; and Reps Engel and Ocasio-Cortes

Public Feedback
- Launch public feedback portal where public can provide feedback on where DOT should or shouldn’t locate chargers

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

CB Engagement
- Outreach to Community Boards and offer presentations and feedback on suggested locations.

Installation
- Fall 2019 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
QUESTIONS?