



# ELECTRIC VEHICLE CHARGING PROGRAM

Community Board 8 TC Briefing  
May 16<sup>th</sup> 2019

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# Curbside EV Charging Pilot Program

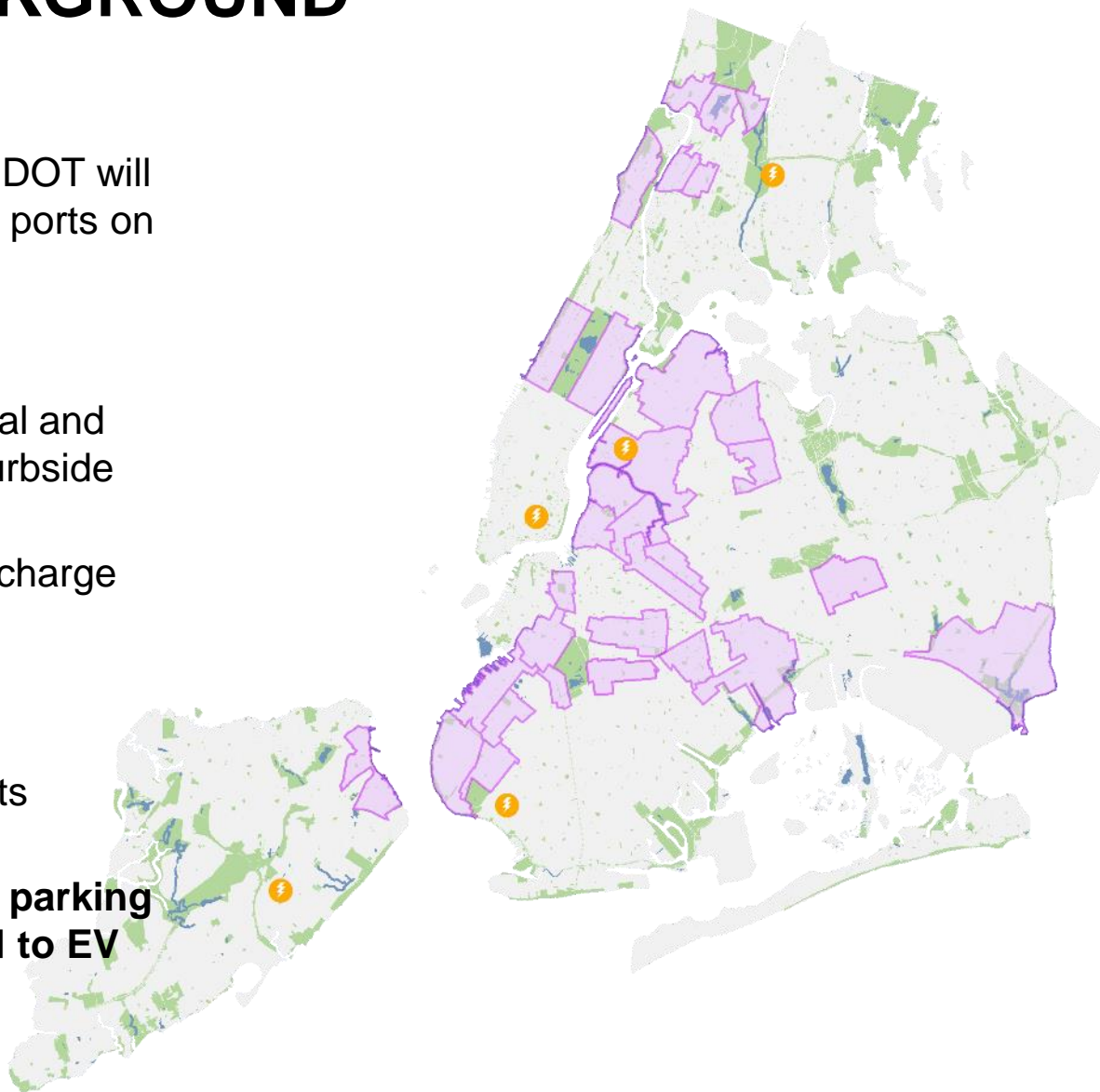
# PROJECT BACKGROUND

## 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 hour, charge cost comparable to gas

## Project Details:

- 100 curbside charging ports citywide for public use
- **In CB 8, a maximum of 8 parking spaces will be converted to EV parking**

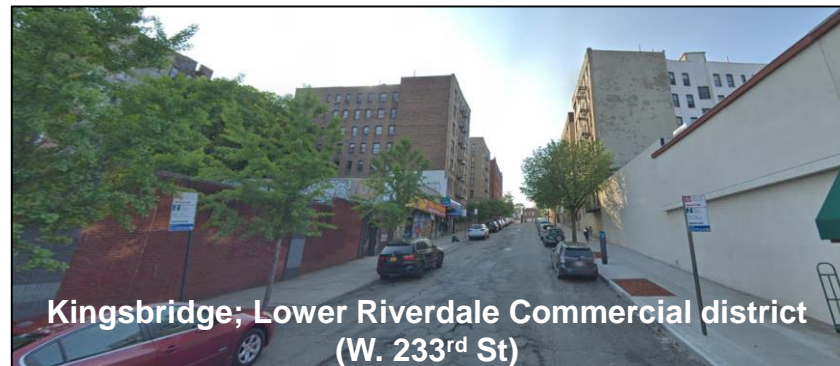
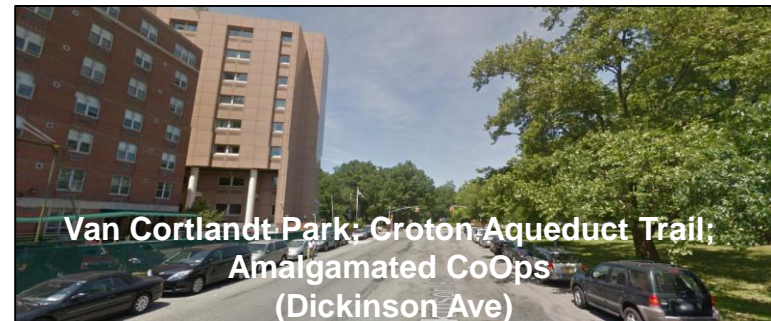


# CB 8 SITE SELECTION AND SITES

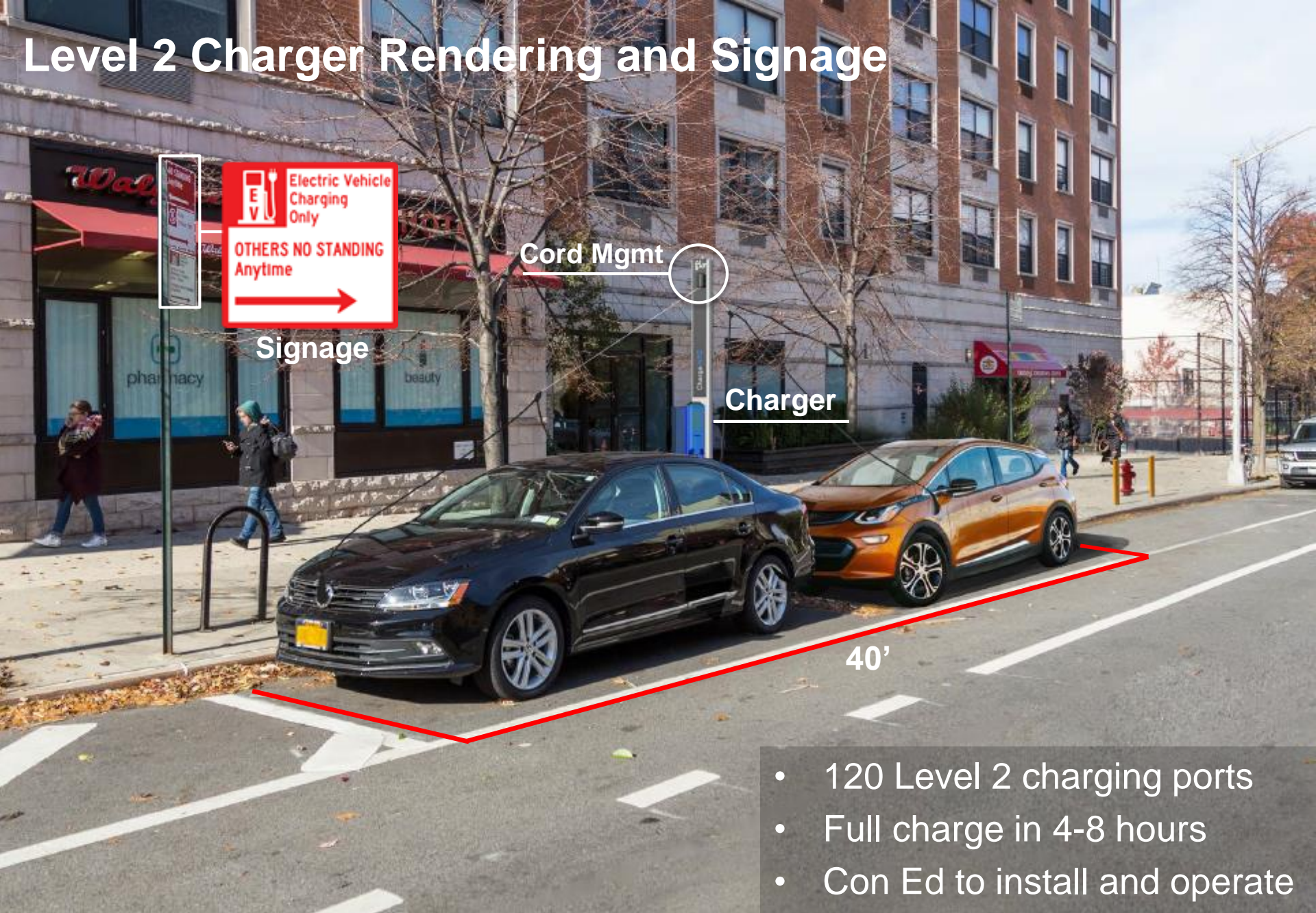
## Site Selection:

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

## Possible Location(s):



# Level 2 Charger Rendering and Signage



Electric Vehicle Charging Only  
OTHERS NO STANDING Anytime

Signage

Cord Mgmt

Charger

40'

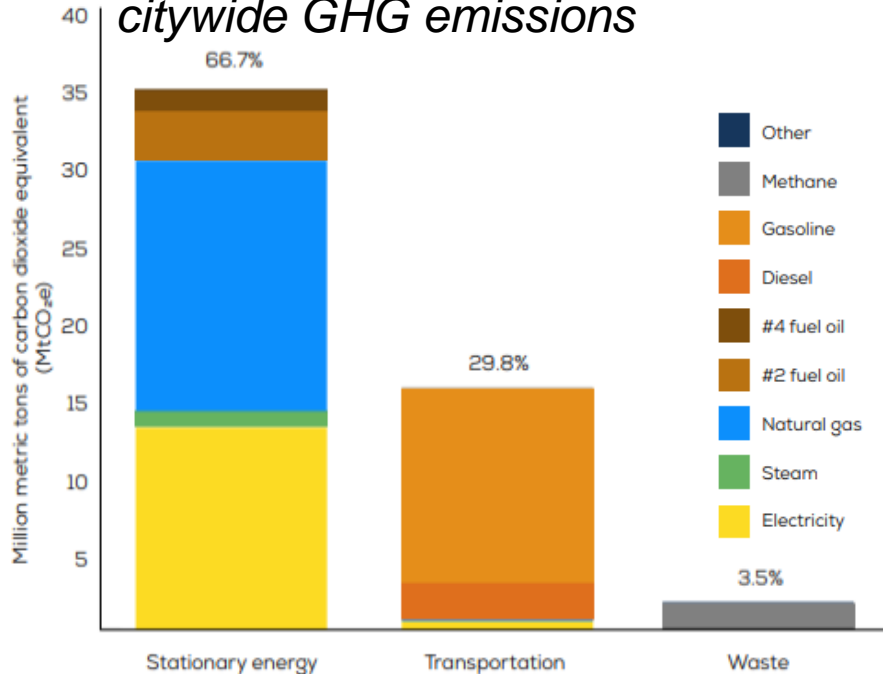
- 120 Level 2 charging ports
- Full charge in 4-8 hours
- Con Ed to install and operate

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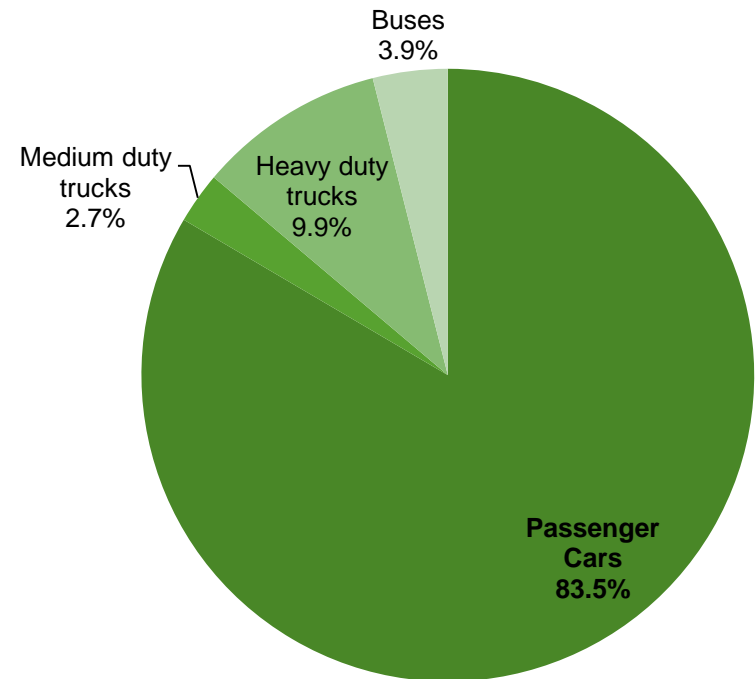
# Background

# CHALLENGE: PRIVATE CARS ARE A MAJOR SOURCE OF GHG EMISSIONS

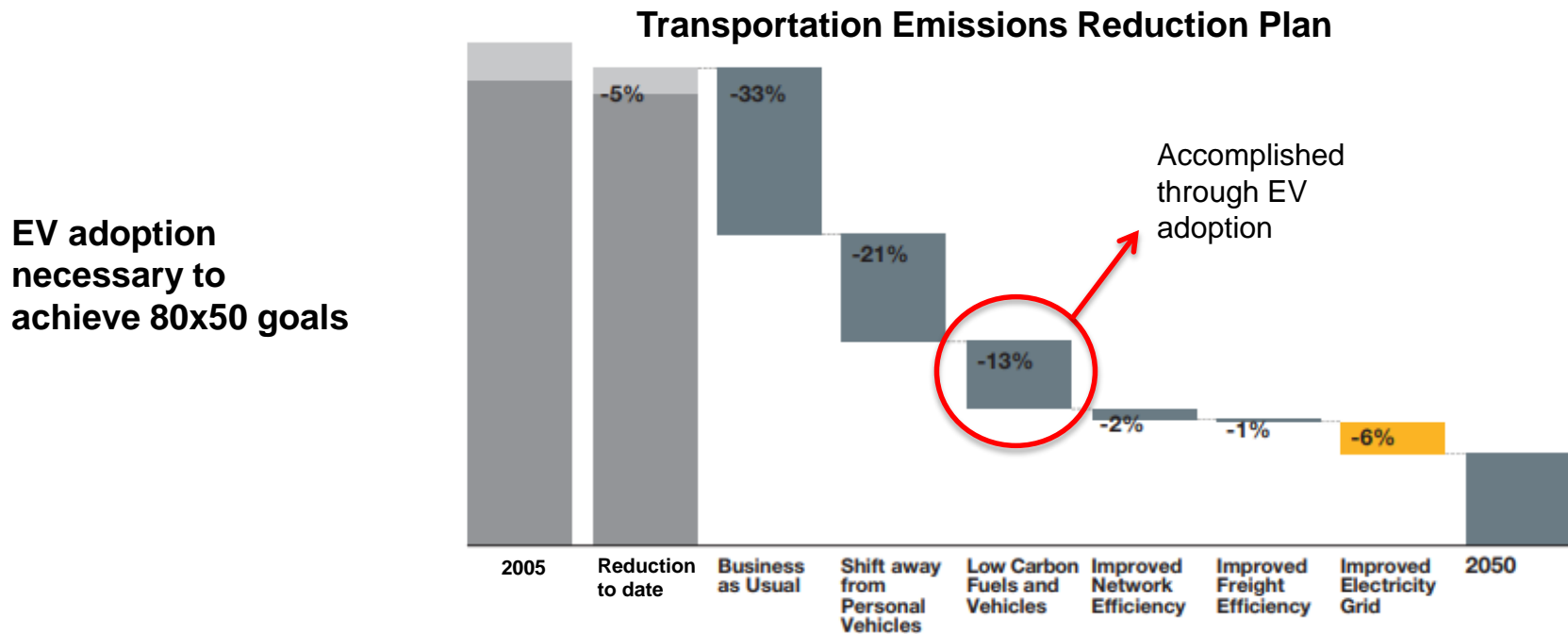
*Transportation: constitute 30% of citywide GHG emissions*



*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 Briefing in December 2018
- CM Cohen briefing in January 2019
- Rep. Espaillat briefing in April 2019

## Public Feedback

- Launch public feedback portal where public can provide feedback on where DOT should or shouldn't locate chargers (20% of Bronx respondents suggested locations in CB8)

## 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](http://www.nyc.gov/charge)

The screenshot shows the NYC DOT Public Portal for Curbside Level 2 Electric Vehicle Charging. The page header includes the NYC DOT logo and navigation options like 'Select Language' and 'A A A'. The main content area is titled 'Curbside Level 2 Electric Vehicle Charging' and 'NYC DOT project to install 100 curbside level 2 electric vehicle chargers across New York City.' A sidebar on the left contains navigation links: 'Project Home', 'Overview', 'Where Should DOT Install Curbside EV Chargers?', 'Accessibility', and 'Request an EV Charger Outside Your Business'. The main content area features a 'PLANNING' section with a photo of a white car being charged. Below this is a 'PROJECT UPDATES' section with a post dated Thursday, August 30, 2016 - 10:53, titled 'Where would you like to see curbside EV chargers? Show us!' and a message from NYC DOT thanking users for their interest in curbside level 2 electric vehicle charging.



**QUESTIONS?**

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