

---

## **DCAS Surpasses 200 EV Fast Chargers and Partners With the Environmental Defense Fund (EDF) To Develop *Faster* Fast Chargers**

By: Keith Kerman









NYC's electric fleet is growing quickly, now over the 4,600 mark and to exceed 5,000 later this year. Electric vehicle (EV) charging will be the key to making this cleaner fleet successful. Towards this end, this July 2023, DCAS surpassed the 200 EV fast charger mark, with 207 fast chargers now in operation at 12 agencies citywide. Agencies operating fast chargers through DCAS include Children's Services, Citywide Administrative Services, Environmental Protection, Correction, Homeless Services, Education, Transportation, Sanitation, Police, Medical Examiner, Emergency Management, and Parks.

In 2019, DCAS began the installation of fast chargers to support electric vehicles and completed the 100th fast charger in November 2021. At that same time, [DCAS announced a long term plan](#) to install up to 1,776 fast chargers by 2030. Most of these fast chargers power up NYC fleet vehicles. However, 11 fast chargers to date have been opened to the general public in partnerships with NYC Parks and have been used over 22,000 times by private vehicles in the last three years. DCAS and Parks are planning additional public sites.

**NYC Fleet EV Charging Network as of July 2023**



**Total 1,718 Electrical Charging Ports**

-  1,217 Level 2 Charging Ports
-  129 Solar Carports +  5 Solar Public Charging = 132 Total Solar Carports
-  196 DC Fast Chargers +  11 DC Fast Public Charging = 207 Total DCFCs
-  7 DOT Municipal Level 3 Chargers
-  38 DOT Municipal Level 2 Chargers
-  116 DOT Level 2 Curbside Chargers
-  1 Mobi Mobile Charger

*DCAS charging map as of July 2023.*

In total, DCAS and the Department of Transportation (DOT) operate 1,718 electric charging ports citywide including fast, solar, curbside, portable and overnight (level 2) chargers. DCAS has added 372 total ports since January 2023 alone, with hundreds more planned this year.

On June 23, DCAS, DOT, and the Taxi and Limousine Commission testified at a [City Council hearing](#) on the status of citywide EV charging efforts.

Current DCAS fast chargers are 50 KW and can power a vehicle battery from 20% charge to 80% charge in an hour or less. However, we want to go much quicker. We will also need new types of chargers including portable chargers and chargers using battery storage to increase resiliency and emergency preparedness.



*DCAS Police Electric Ford Mach E charging at a fast charger outside the Municipal Building in Manhattan.*

The DCAS Fleet sustainability team led by Assistant Commissioner Brent Taylor and including Julia Marchetti and Fiona Crisp have conducted a nearly two year market research project including over 130 meetings with technology vendors as well as other local governments and non-profits to gauge the full scope of charging and electric vehicles in the marketplace.

DCAS has also partnered with the Environmental Defense Fund (EDF) on this effort. In summer 2022, DCAS welcomed EDF fellow and researcher, Courtney Schneider, for a summer fellowship. Courtney recently graduated from Cornell University's Jeb E. Brooks School of Public Policy, earning a Master's degree of Public Administration with a concentration in Environmental Policy. While with DCAS, Courtney prepared specifications for *faster* fast chargers, 125KW to 250 KW, with updated operating requirements. These faster chargers will reduce charging times dramatically, closing in on gas station turn around times. DCAS is working on the bidding of this contract.



*DCAS Environmental Defense Fund Fellow Courtney Schneider, summer 2022.*

As per Courtney, “The EDF Climate Corps is an incredible network of passionate, hardworking climate professionals! The summer fellowship is a competitive program that matches graduate students with organizations looking to implement sustainable practices...I was fortunate to be matched with DCAS given my prior experience working for Tesla, and throughout the summer I gained a very new perspective within the EV and electric vehicle supply equipment (EVSE) space. DCAS tasked me with authoring multiple requests for proposals for Level 3 fast chargers—an initially daunting project given the nascency of EVSE uptake and what I quickly found to be many unanswered questions.... On the whole, my experience with DCAS was excellent, eye-opening, and taught me a great deal about the intricacies of both EVSE and the policies that govern it.”

For summer 2023, DCAS has just welcomed a new EDF fellow Lily Edelman-Gold. Lily is a third-semester graduate student in the International Environmental Policy program at the Middlebury Institute of International Studies, concentrating on sustainability management. She has a particular focus on sustainable cities and transportation. Lily will be doing similar research and specification development for an expansion of our solar charging program including updating our solar carport specifications and developing a long term contract for solar canopies. Solar, battery storage, and portable charging will be critical future aspects of our charging network, focused on resiliency. We will have more to say on these efforts in upcoming newsletters.



*DCAS Fast Chargers at NYPD Shop 9 in Manhattan.*

Thanks to all our partner agencies and the Environmental Defense Fund (EDF) for their support of our growing EV charging network, already among the nation's largest operated by one fleet.

---

## NYC Fleet Manual

The NYC Fleet Manual and Drivers Handbook has been updated. Please see the updated version at [NYC Fleet Manual and Drivers Handbook](#).

---

New York City Vision Zero Fleet Forum

# VISION ZERO

---

## Building a Safer City

This year's New York City Vision Zero Fleet Forum will be held on Thursday November 2, at the Queens Theatre in Flushing Meadows Corona Park

This annual event co-hosted this year by *Together for Safer Roads* will highlight the power and promise of building partnerships to solve our nation's roadway safety crisis, the safe system approach, and how vehicle design and technology plays a vital role in saving lives.

[View the event flyer](#) to learn more. Updated information like the event agenda and registration links will be posted on the DCAS Fleet Management webpage in the coming weeks. You can also [email fleet](#) for more information.



## Hear from Eric

The Adams administration is dedicated to cutting through the noise and delivering information directly to you and all New Yorkers.

Sign up to "Hear From Eric" and get direct messages from City Hall, tailored to your interests and neighborhood, sent directly to your inbox - at [nyc.gov/hearfromeric!](https://nyc.gov/hearfromeric)

## Week In Review: July 9 - July 15

New York City fights illegal e-cigarettes, invests in our young people and celebrates Puerto Rican heritage in this week in review.



---

## Check out past editions of the Fleet Newsletter

[NYC Fleet Newsletter 429, June 30, 2023](#): Fleet Retools Through DCAS' Hiring Halls

[NYC Fleet Newsletter 428, June 6, 2023](#): Electric Vehicles and Safety

[NYC Fleet Newsletter 427, May 24, 2023](#): Fleet Spotlight: Adriane Williams, FDNY Fleet

[NYC Fleet Newsletter 426, May 12, 2023](#): Fleet Shines at 34th Annual Show

Check out the [complete archive](#).

---

// Connect with DCAS to learn more about the City of New York's Fleet //



Visit us on the web at [nyc.gov/DCAS](https://nyc.gov/DCAS)

---