

Electrifying the Fleet

NYC Fleet

Keith T. Kerman
NYC Chief Fleet Officer
Deputy Commissioner, DCAS
October 27, 2020

Beginnings





Who Killed The Electric Car?



USA: DaimlerChrysler and city authority to put zero-emission, all-electric GEM vehicles to work in NYC

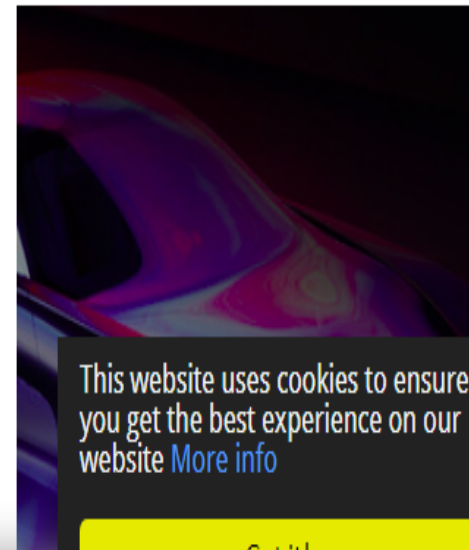
By just-auto.com editorial team | 20 November 2003



Font size Email Print

DaimlerChrysler and the City of New York have marked their collaboration on an electric vehicle program that is claimed to be a model for reducing the environmental impact of the automobile in urban areas.

In a ceremony at City Hall, City officials gathered with representatives of DaimlerChrysler to officially accept the keys to zero-emission, all- electric GEM vehicles. DaimlerChrysler has donated 352 GEMs to the City for use in departments around the five boroughs. The vehicles are being provided to the New York City Parks and Recreation Department and will be put to use in City parks and facilities to provide clean, convenient, low cost transportation for city projects.



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Get it!









Sent: Thursday, November 15, 2012 1:06 PM

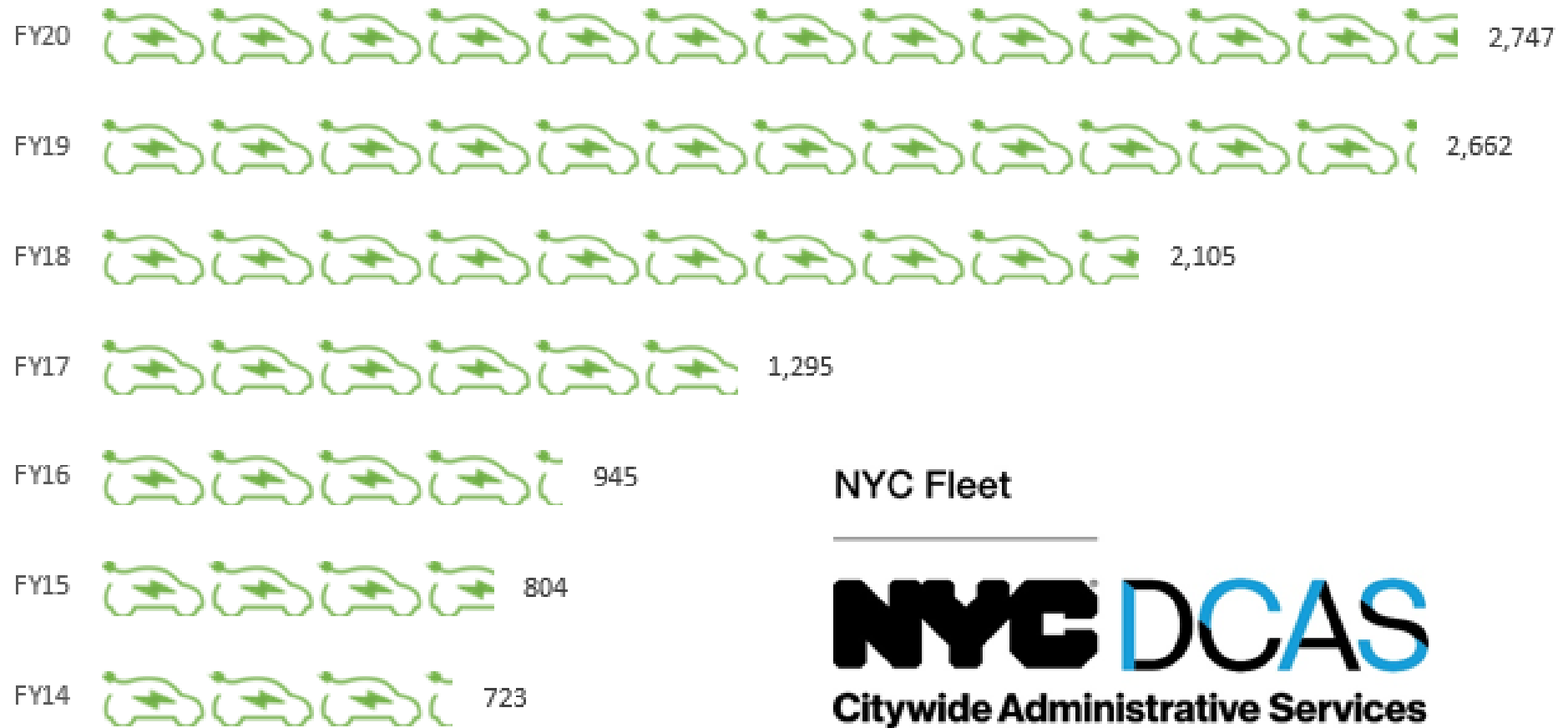
To: Keith Kerman

Subject: RE: NYC Fleet: Tracking storm and flood damaged vehicles for purposes of salvage and auction

Hi, I heard of one eStar (DOE) that was flooded in 4 feet of water (see attached). Would the

NYC Fleet EV Today

NYC Fleet Electric Vehicles



NYC Fleet

NYC DCAS
Citywide Administrative Services

Image from vecteezy.com

Mayoral Executive Order 53, 2020

Section 2. Clean Fleet Design and Electrification. The Department of Citywide Administrative Services (DCAS) and NYC Fleet will issue, implement and update a Clean Fleet Transition Plan (CFTP). This plan will be updated at least every two years. The plan will outline alternative fuel, fuel efficiency, and electrification requirements for all City fleet units by type. The plan will also review fuel efficiency and emissions reductions outfitting that is implemented for specific fleet segments only and/or being tested. As part of the plan, the City will report on electrification and charging options for each class of fleet vehicle. The plan will include a schedule for adoption of cleaner vehicles and technologies which will lead to a fully-electric, carbon-neutral fleet by 2040. In addition to City fleet agencies, DCAS will consult with private, non-profit and other public fleets that operate in NYC on this plan. The plan will include a section discussing options for requiring and/or encouraging adoption of these clean fleet improvements with the private fleets the City contracts and regulates. The first CFTP plan aimed at both public and private fleets will be published by January 1, 2021.

Fully Electric Sanitation



All Electric Policing



Plug in Hybrid Ambulances



All Electric Citywide Fleet Share



The Mayor's EV



Seth Stein @SethStein · Jan 16

What's got 4 wheels, gets 82MPGe, all-electric 32 mi range & sleek #dadcore styling? The Mayor's new hybrid minivan



New York's Largest EV Charging Network

Google Maps

NYC DCAS
Citywide Administrative Services

NYC Fleet

NYC Fleet EV Charging Network as of 9/21/2020



Total 1,015 Electrical Charging Ports Across 705 Stations

-  - 900 Charging Ports / 590 Reg Stations
-  - 87 Solar Carports
-  - 27 DC Fast Chargers
-  - 1 Mobi Mobile Charger

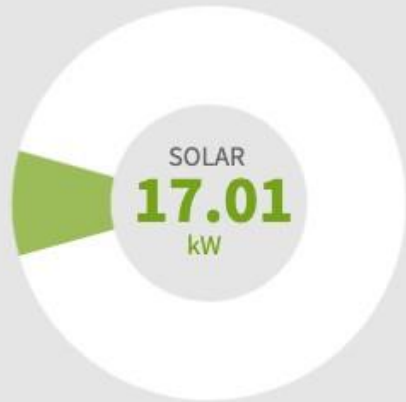
Portable Solar Carports



Fleet as Producer of Power



CURRENT PROFILE TIME : 07/09/2020 15:50



Right Now, You are

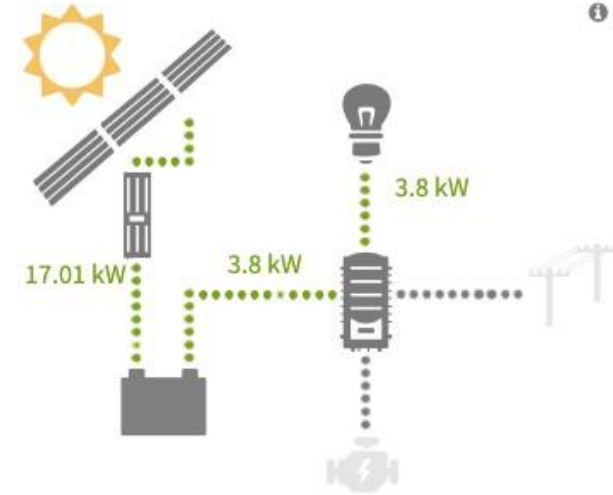
PRODUCING

Solar 17.01kW

Load 3.8kW

197.8kW Capacity

POWER FLOW



The Day Of



07/09/20



TODAY

● Solar
199kWh

● To Load
16.6kWh

Fast Charging



Coping with COVID

'We're at War': New York City Faces a Financial Abyss

The pandemic has crippled tourism, retail and the culture sector. The damage could last years, and layoffs, service cuts and added debt are all on the table.



At Manhattan's major retail corridors, like Hudson Yards, business has been slow to recover. Spencer Platt/Getty Images

By Dana Rubinstein

Sept. 28, 2020



Reducing Maintenance Costs

AXIOS

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Mar 19, 2019 • Energy & Environment

EV maintenance costs in NYC run lower than gas-powered cars



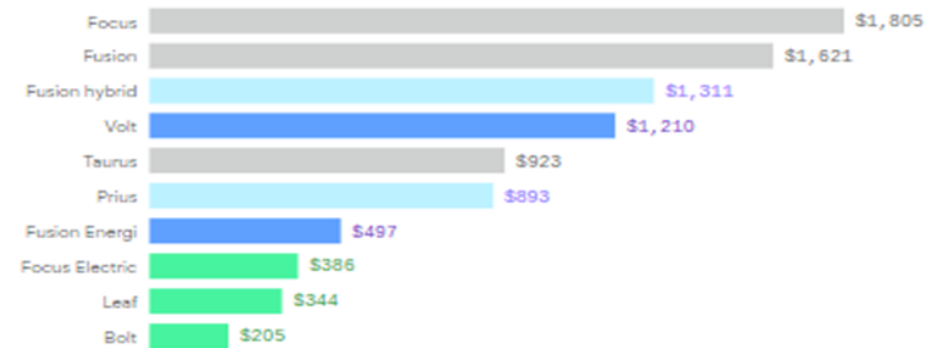
Ben German, author of [Generale](#)



The New York City government's maintenance costs for its electric vehicle fleet were much less per automobile than its gasoline-powered cars, city data released this month shows.

Average maintenance cost for NYC municipal vehicles in 2018

By car energy type: ● Gasoline ● Hybrid ● Plug-in hybrid ● Electric



Date: NYC Department of Citywide Administrative Services; Chart: Andrew Witherspoon/Axios

Why it matters: Municipal and corporate vehicle fleets are a growth area for EVs, and not just for environmental reasons. That's the upshot of the latest edition of a newsletter I'd never seen until yesterday: the [NYC Fleet Newsletter](#) from Citywide Administrative Services.

Bidding EV Contracts for All Types

The screenshot shows the NYC City Record website interface. At the top, there is a navigation bar with 'NYC City Record' on the left, 'Select Language' and '311' in the center, and 'Search all NYC.gov websites' on the right. Below this is a secondary navigation bar with links for 'Home', 'Sections', 'User's Guide', 'FAQ', 'Contact Us', and 'Print Edition'. On the right side of this bar are 'Log In' and 'Sign Up' buttons. The main header features the NYC Citywide Administrative Services logo and the text 'The City Record Online'. A search bar with a magnifying glass icon and the word 'ADVANCED' is positioned to the right. Below the header is a green banner with the text 'Notice Details'. The main content area displays a notice titled 'TITLE: TRUCK, 16 C.Y. ELECTRIC COMPACTING COLLECTION - DP'. To the right of the title is a blue circular button with a left-pointing arrow. Below the title, there are two rows of key-value pairs: 'Section: Procurement' and 'Status: Archived' in the first row; 'Agency Name: Citywide Administrative Services (DCAS)' and 'Category: Goods' in the second row.

NYC City Record

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Search ADVANCED

Notice Details

▶ TITLE: TRUCK, 16 C.Y. ELECTRIC COMPACTING COLLECTION - DP

Section	Status
Procurement	Archived
Agency Name	Category
Citywide Administrative Services (DCAS)	Goods

Looking at Off-Road



EV Future



Contact

For more information, go to the NYC Fleet website:
<http://www.nyc.gov/html/dcas/html/employees/fleet.shtml>

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DCAS

THANK YOU