

# Reducing Idling in Fleet

## NYC Fleet

**Keith T. Kerman**

**NYC Chief Fleet Officer**

**Deputy Commissioner, DCAS**

**December 2, 2020**

**NC, North Carolina, Cleantech Center**

**Sustainable Fleet Technology Conference**

### Shut It Off! Mayor, Billy Idol Team Up to Stop Vehicle Idling

By: Keith Kerman



At City Hall on February 27, artist Billy Idol joined Mayor de Blasio to launch a **new campaign** against vehicle idling and the harmful air pollution it causes. The campaign was developed by NYC DEP.

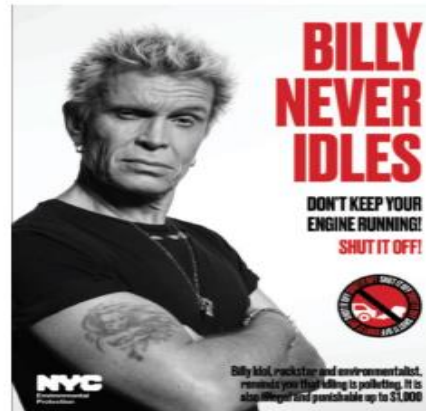
As the crowd chanted “Shut It Off,” the mayor and Billy Idol discussed the wasteful and unnecessary environmental impacts from vehicle idling.

Idling uses a lot of fuel, creates as much pollution as driving, and also wears down vehicle engines. Idling for an hour is the equivalent of driving 25 to 30 miles. An idling truck or bus can use up to a gallon of fuel an hour.

If you have to drive, one of the best ways to avoid idling is to drive an electric or hybrid vehicle. NYC operates 8,000 electric and hybrid fleet units which use non-polluting batteries to power vehicles when stationary. We are transitioning to hybrid plug-in ambulances, hybrid police cars, and start-stop technology for waste trucks.

DCAS has also installed telematics on 23,000 fleet units so far. Among many benefits, these tracking units can provide alerts of unneeded idling.

Idling is against the law in NYC. Vehicles may not idle over 3 minutes in general or 1 minute near a school or hospital. As part of today’s announcement, Mayor de Blasio and DEP Commissioner Vincent Sapienza encouraged all New Yorkers to report illegal idling through 311 or to file complaints online. There is even a financial reward program available.



# Idle Local Law

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§2. Section 24-163 of the administrative code of the city of New York is amended by adding new subdivisions f and g to read as follows:

*(f) No person shall cause or permit the engine of a motor vehicle, other than a legally authorized emergency motor vehicle, to idle for longer than one minute if such motor vehicle is adjacent, as determined by rule, to any public school under the jurisdiction of the New York city department of education or to any non-public school that provides educational instruction to students in any grade from pre-kindergarten to the twelfth grade level, while parking as defined in section one hundred twenty-nine of the vehicle and traffic law, standing as defined in section one hundred forty-five of the vehicle and traffic law, or stopping as defined in section one hundred forty-seven of the vehicle and traffic law, unless the engine is used to operate a loading, unloading or processing device, and provided that idling of an engine of a school*

# Idle Alerts and Reporting through Telematics

## Exceptions Summary Report

Created   
From Nov 16, 2020  
To Nov 18, 2020  
Time Zone America/New\_York  
Distance Unit miles

Device	<input type="checkbox"/> Device Group	<input type="checkbox"/> Agency	<input type="checkbox"/> Rule	<input type="checkbox"/> First Incident
P8346	DPAR-MANHATTAN, CV Eligible, COLLECTION TRUCK, 6 YD, DIESEL/BIODIESEL, HEAVY DUTY	PARKS	Citywide Idling > 3 Minutes	Nov 16, 2020 7:59:37 AM
E54F005	DEP-Green Infrastructure, CV Eligible, GASOLINE, MEDIUM DUTY	DEP	Citywide Idling > 3 Minutes	Nov 16, 2020 5:15:09 AM
E54F005	DEP-Green Infrastructure, CV Eligible, GASOLINE, MEDIUM DUTY	DEP	Citywide Idling > 30 Minutes	Nov 17, 2020 5:49:13 AM
DCAS4077	DCAS Facilities, Non-Commuter, TRUCK, MISC, DIESEL/BIODIESEL, HEAVY DUTY	DCAS	Citywide Idling > 3 Minutes	Nov 18, 2020 7:51:55 AM
DCAS4077	DCAS Facilities, Non-Commuter, TRUCK, MISC, DIESEL/BIODIESEL, HEAVY DUTY	DCAS	Citywide Idling > 30 Minutes	Nov 18, 2020 7:51:55 AM
NYC027	x NYC Fleet x, CV Eligible, CROSSOVER, ELECTRIC, LIGHT DUTY	NYC FLEET	Citywide Idling > 3 Minutes	Nov 16, 2020 5:44:47 AM
NYC049	x NYC Fleet x, Commuter, CROSSOVER, V2V, ELECTRIC, LIGHT DUTY	NYC FLEET	Citywide Idling > 3 Minutes	Nov 16, 2020 7:09:56 AM
NYC049	x NYC Fleet x, Commuter, CROSSOVER, V2V, ELECTRIC, LIGHT DUTY	NYC FLEET	Citywide Idling > 30 Minutes	Nov 16, 2020 1:54:09 PM
CA151	DCA Brooklyn Division, CV Eligible, SEDAN, ELECTRIC/GAS HYBRID, LIGHT DUTY	DCA	Citywide Idling > 3 Minutes	Nov 16, 2020 8:18:18 AM
DCAS2732	DCAS Administration, CV Eligible, UTILITY TRUCK, DIESEL/BIODIESEL, HEAVY DUTY	DCAS	Citywide Idling > 3 Minutes	Nov 16, 2020 8:56:49 AM
CA46	DCA Petroleum Division, CV Eligible, PICKUP, GASOLINE, MEDIUM DUTY	DCA	Citywide Idling > 3 Minutes	Nov 16, 2020 9:16:14 AM
CA46	DCA Petroleum Division, CV Eligible, PICKUP, GASOLINE, MEDIUM DUTY	DCA	Citywide Idling > 30 Minutes	Nov 16, 2020 12:20:50 PM
DCAS3534	DCAS Administration, Non-Commuter, PICKUP, GASOLINE, MEDIUM DUTY	DCAS	Citywide Idling > 3 Minutes	Nov 18, 2020 11:39:05 AM

# APUs for Ambulances



# Start-Stop for Sanitation Trucks

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# Hybrid Vehicles

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Bill de Blasio, Mayor  
Lisette Camilo, Commissioner  
Keith T. Kerman, Deputy Commissioner  
and Chief Fleet Officer

*NYC Fleet Newsletter*

**July 15, 2020 - Issue 312**

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## **Every New NYPD Police Car Is an Electric Hybrid in FY20**

By: Keith Kerman

The City we love is enduring extraordinary challenges on many fronts. While these pressing concerns occupy all of our attention, we also want to make and recognize progress wherever we can.

Last summer, NYPD and DCAS announced that NYPD would be transitioning to all hybrid police cars. This transition is a critical component of our NYC Clean Fleet Plan to reduce fuel use 50% by 2025. You can read more about the transition [here](#).

With Fiscal Year 20 now behind us, we can report that every new police car and utility procured this year was in fact hybrid. NYPD received 409 new hybrid police cars, with 374 hybrid sedan Ford Responders and 35 Ford Hybrid Utility Interceptors and Escapes. This is the first time NYPD has procured an entire class of hybrid police cars. Of the 534 total fleet units received by NYPD in FY20, 81% will use some type of fleet alternative, either hybrid-electric or biofuels. The remaining units include police motorcycles, a disabilities accessible mini-van, SWAT trucks, and general support trucks.

# Transition to an All-Electric Fleet

## NYC Fleet Electric Vehicles

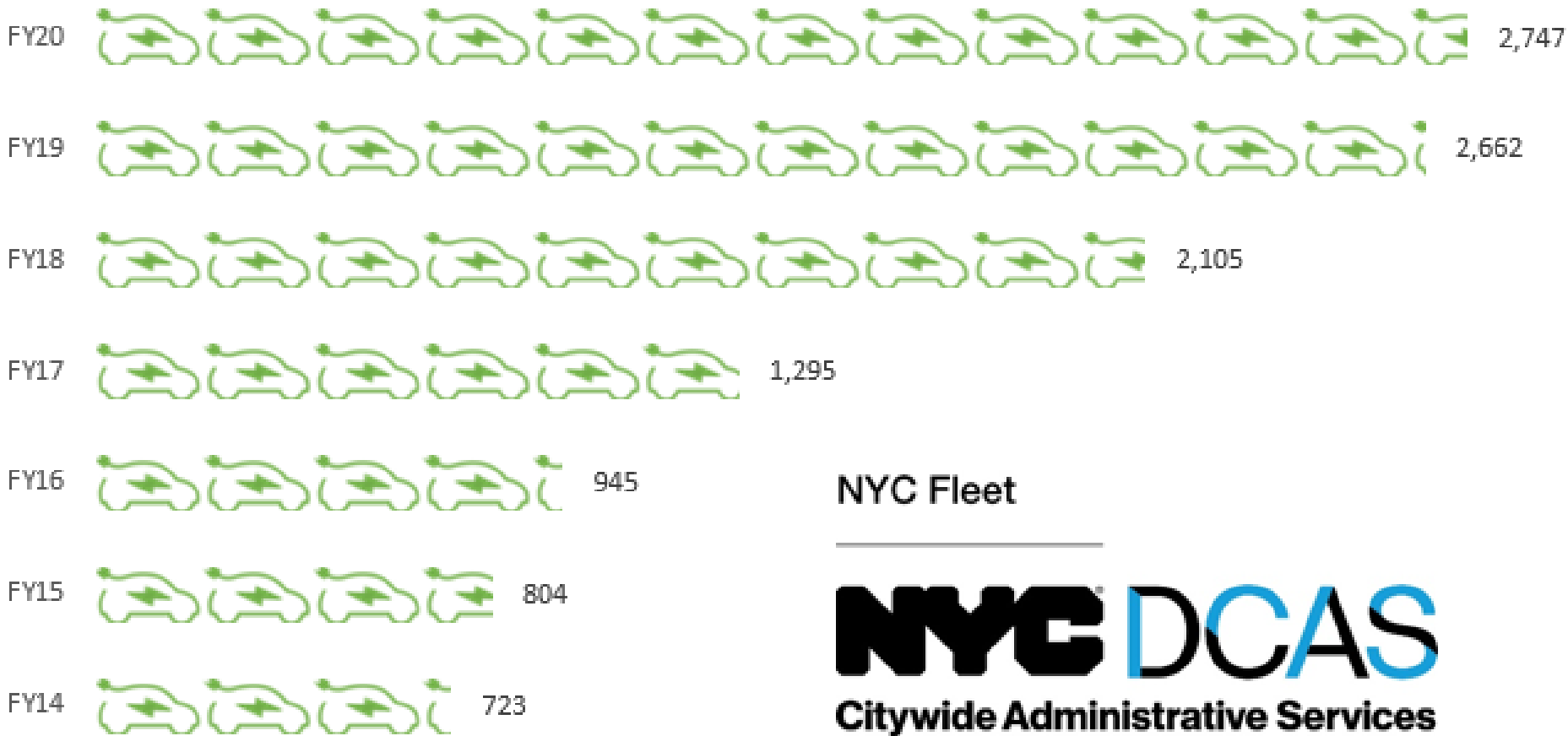


Image from vecteezy.com



# Mayoral Executive Order 53, 2020

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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

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# All Electric Policing

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# Reducing Fuel Use

## VEHICLE FLEETS AND MAINTENANCE

INDICATORS	Actual		Target	
	FY19	FY20	FY20	FY21
Total Fleet Size	30,755	30,502	30,500	30,250
- Light Duty	13,153	12,703	12,900	12,600
- Medium Duty	4,627	4,628	4,850	4,600
- Heavy Duty	7,568	7,546	7,450	7,500
- Other Vehicles	5,407	5,625	5,300	5,550
Vehicle in-service rate (%)	91%	91%	92%	92%
Daily fleet in-service targets achieved (%)	96%	98%	98%	98%
Purchased vehicles compliant with Local Law 38 (%)	100%	100%	99%	99%
Alternative fuel vehicles	18,942	19,100	19,500	20,000
Alternative fuel vehicles in City fleet (%)	63%	65%	65%	68%
Electric vehicles	2,662	2,747	3,000	3,250
- On-road electric vehicles	2,113	2,174	2,400	2,650
- Off-road electric vehicles	549	573	600	600
Vehicle fuel used (gallons)	28,905,781	26,756,419	28,500,000	28,000,000

# EV Future

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# Contact

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

Keith Kerman  
Chief Fleet Officer  
New York City  
Deputy Commissioner,  
Department of Citywide Administrative Services

[kkerman@dcas.nyc.gov](mailto:kkerman@dcas.nyc.gov)

DCAS

THANK YOU