

## ***Improving Fleet Efficiency Through Electrification***

**By Keith T. Kerman**

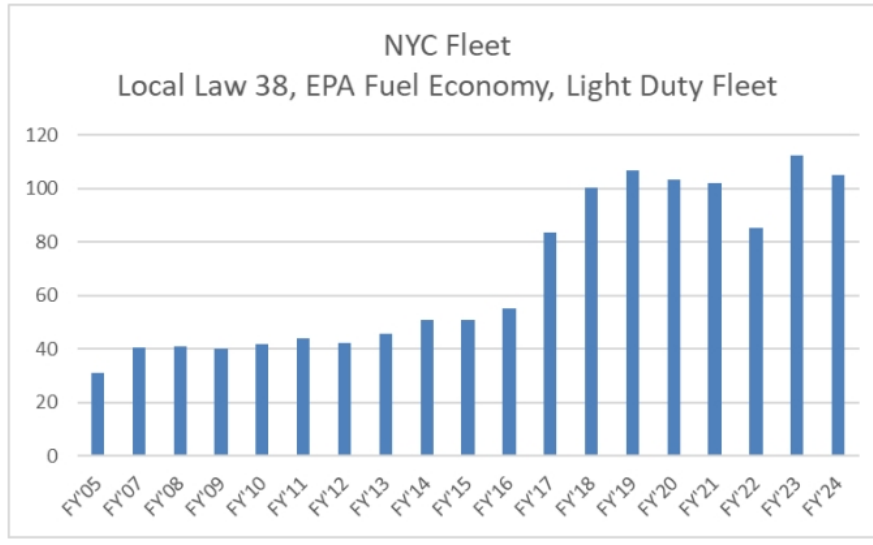
The core values of DCAS Fleet Management are efficiency, sustainability, safety, and preparedness. These commitments are not pursued in isolation but reinforce and support one another.

By local law, DCAS must report on the fuel economy of new light-duty city vehicles, equivalent to the Federal Corporate Fuel Economy (CAFE) standards. [Local Law 38](#) requires reporting on EPA equivalent sticker miles per gallon (MPG). Additionally, Local Law 75 requires reporting on the actual MPG when vehicles operate on roads, such as using air conditioning, heating, radios, while stuck in traffic, and other real-world impacts on vehicle emissions.

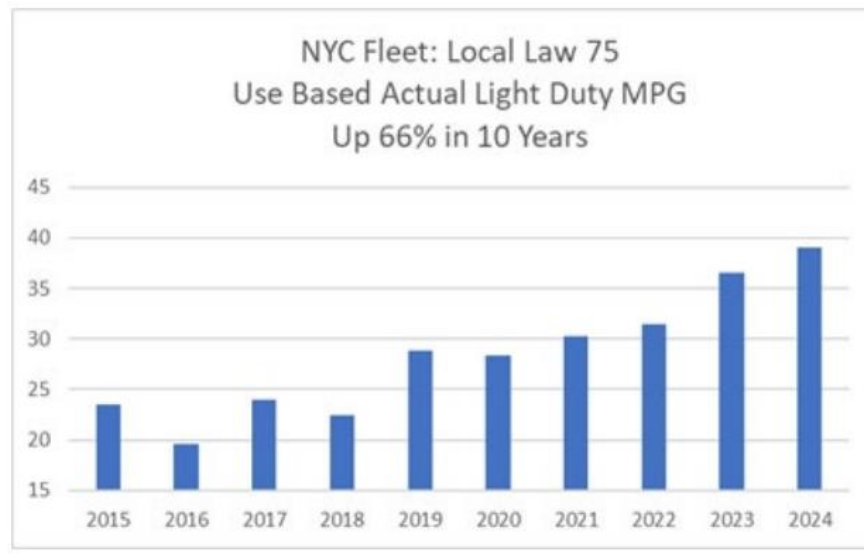
DCAS has completed the latest [Local Law 75](#) report, and, by both measures, fuel efficiency is increasing dramatically through the introduction of hybrid, plug-in hybrid, and electric vehicle (EV) solutions.

Some findings of the report:

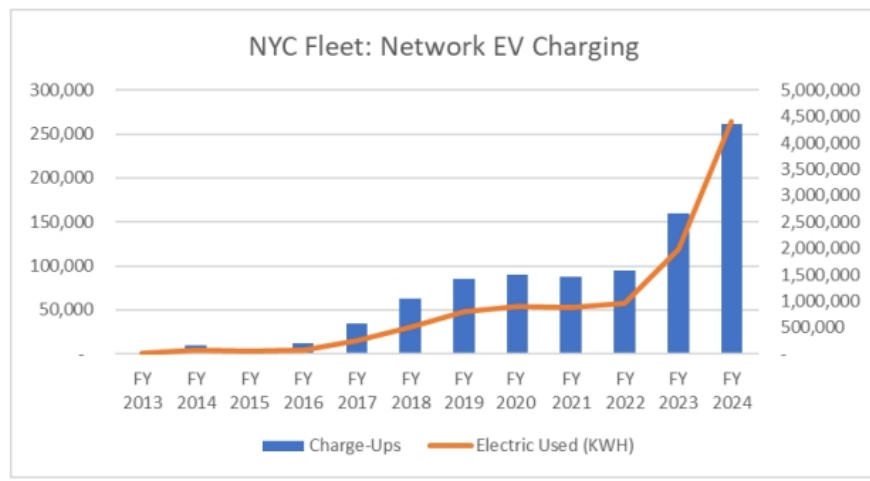
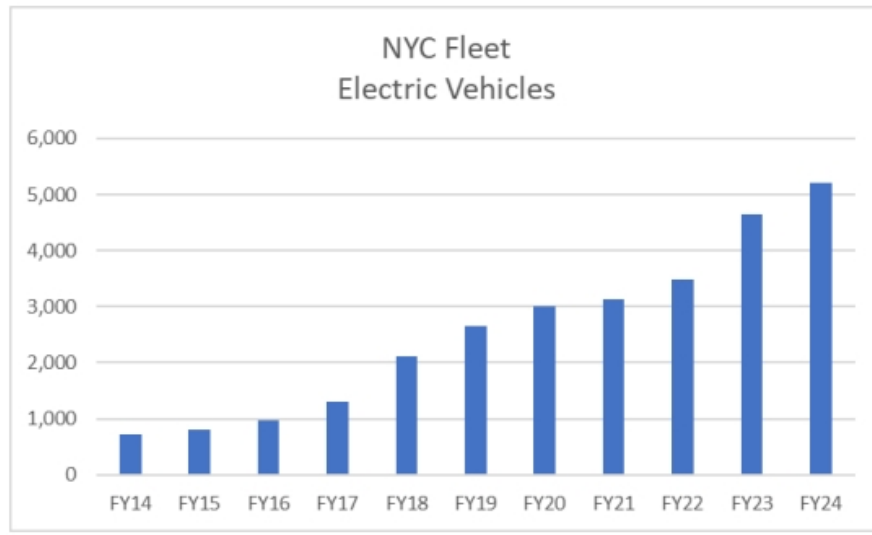
- DCAS has achieved an EPA fuel economy of over 100 MPG for six of the last seven years. For comparison, the previous [report](#) of nationwide MPG was 27.1 MPG.



- The light-duty fleet's actual, use-based fuel economy also achieved a new record, demonstrating that these vehicles perform as well, if not better in [reality](#) than as advertised.



- In the past year, DCAS fleet doubled the miles driven with electric light-duty units, contributing to fuel economy improvements. Last year, 8.5 million miles were driven with electric units covered by this reporting, compared to 4.3 million in FY23. The city's electric fleet continues to grow, with over 5,400 EV fleet units and 2,200 EV ports—the most extensive programs in New York State.



- Diesel medium-duty units are 33% more fuel efficient than gasoline units. While electric is our preferred option through [Local Law 140](#), DCAS will implement diesel models where electric options are not yet viable—for example, snow plowing. Diesel models are more fuel efficient than gasoline and will use [renewable](#) diesel, a more sustainable, non-fossil fuel.
- Hybrid and plug-in hybrid light-duty vehicles achieve significantly better actual fuel economy than gasoline units.

DCAS has also reported that [maintenance](#) costs for EVs are dramatically lower than those for gas or hybrid vehicles. Electric units achieve both fuel and maintenance savings. These units also provide greater resiliency—for example, on hot summer days, they are not at risk of overheating like gas cars.

| NYC Fleet: Annual Maintenance Costs |        |                      |
|-------------------------------------|--------|----------------------|
| Type                                | Number | Annual Cost Per Unit |
| EVs                                 | 578    | \$568                |
| PHEVs                               | 171    | \$1,488              |
| HYBRIDS                             | 521    | \$1,464              |
| GAS                                 | 50     | \$1,642              |

Source: DCAS Holman reporting, FY24

Through [Executive Order 53](#), DCAS is advancing fuel efficiency, electrification, and improved safety. These combined efforts will reduce costs and enhance health and safety for our drivers and the general public. Among various initiatives, the intelligent speed assistance (ISA) safety program and our driver alerts and automatic braking initiatives were led through EVs.

Efficiency and sustainability reinforce each other daily for the city fleet, helping us perform critical emergency and public health missions 24/7.

The FY24 Local Law 75 Report can be obtained [here](#).

Thanks to Alfredo Melian, Sherry Lee, Tamika Johnson, Matt Aronberg, and Dilshad Basheer for their work on this year's local law report.

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## Let's Move NYC Step Challenge: Deadline extended! Join by March 24



Step up for Let's Move NYC - a four-week step challenge where thousands of city employees will walk, run, or roll towards their fitness goals and a healthier NYC.

Join your agency team in a healthy competition or compete individually by meeting your personal daily step goal.

There will be prizes for top teams and steppers, and recognition for participants meeting certain goals. Visit [nyc.gov/letsmove-nyc](https://nyc.gov/letsmove-nyc) for FAQs, eligibility, and more. [Register Here!](#)

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**High blood pressure (hypertension) affects over 48% of American adults, but only 1 in 4 of them have it under control.** High blood pressure can lead to heart disease, stroke, kidney failure and other serious health problems. Take action by registering for WorkWell NYC's **8-week hypertension prevention and management program**, Let's Bring the Pressure Down.

[Register](#)

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**Vision Zero: Building a Safer City**



This show highlights vendors who support the New York City's Clean Fleet and Vision Zero initiatives, and daily operations. Vendors will offer a wide array of products to improve vehicle safety. The show will also highlight vehicles and equipment with alternative fuels and emissions-reducing technologies, along with the latest in light and heavy-duty vehicles, trucks, horticultural equipment, tools, fleet services, and more!

# 36th Annual Equipment & Vehicle Show

Flushing Meadows Corona Park  
(by the Unisphere), Queens, NY

**Thursday,  
May 15, 2025  
9 a.m. - 2 p.m.**

**Rain Date:  
Friday,  
May 16, 2025**

**Accessibility Questions?**  
Contact DCAS Accessibility  
at 212-386-0256, or email  
[accessibility@dcas.nyc.gov](mailto:accessibility@dcas.nyc.gov)  
by May 6, 2025



<https://www.nyc.gov/site/dcas/agencies/nyc-fleet-upcoming-events.page>





### 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)!

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## Week in Review | March 8 - March 14



Last week, we made progress on many other areas we are dedicated to improving:

- The NYPD has already [taken 1,000 illegal firearms](#) off the streets so far in 2025, an important accomplishment in keeping New Yorkers safe.
- The FDNY announced the start of “[Fire Prevention Year](#)” as we provide increased education and outreach to the 100 blocks most at-risk of fires.
- At Woodhull Hospital, we opened [Woodhull II Residence](#), a new supportive and affordable housing site for formerly homeless, low-income, and older New Yorkers.

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**Click below to learn about DCAS' FY24 Annual Report**

[DCAS Celebrates the Release of FY24 Annual Report | City of New York](#)

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**Check out past editions of the Fleet Newsletter**

[NYC Fleet Newsletter 489, March 14, 2025:](#) 10 Stolen, 10 Recovered; Help Us Prevent Fleet Thefts

[NYC Fleet Newsletter 488, March 7, 2025:](#) DCAS Management Academy Graduates New Class Including Fleet Standouts

[NYC Fleet Newsletter 487, February 27, 2025:](#) DCAS and NYC Public Schools Partner on Storm Emergency Preparedness

Check out the [complete archive](#).

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