



Oversight Hearing on Energy Management and Energy Initiatives
Committee on Governmental Operations
November 28, 2017

Introduction

Good afternoon Chair Kallos and members of the Committee. I am Keith Kerman, Deputy Commissioner at the Department of Citywide Administrative Services (DCAS) and the Chief Fleet Officer for New York City.

New York City operates over 30,000 owned and leased vehicles, the largest municipal fleet in the United States. Of those, more than 12,000 or 40% are emergency service units assigned to NYPD and FDNY. NYC maintains fleet units at 37 dedicated fleet repair facilities and has over 400 in-house fueling locations. We utilize approximately 850 distinct locations throughout the City to park our fleet. More than 2,000 City employees work full time in fleet repair and garage dispatch operations across the ten largest fleet-operating agencies. In total, more than \$900 million was spent Citywide in FY17 on fleet-related costs including acquisitions, repair, fueling, parts, and collision claims.

DCAS leads efforts to share and improve services and safety across the ten major fleet operations involving its own and the following City agencies: NYPD, FDNY, Correction, Sanitation, Environmental Protection, Parks, Transportation, Education, and Health. In addition to these large agencies, more than 40 other agencies with smaller fleets are managed and serviced through DCAS.

DCAS leads initiatives in sustainability, performance reporting, and emergency management. DCAS manages day-to-day services on a Citywide basis, including repair, fueling, auction, parts supply, car share, and claims management. On the sustainability front, DCAS operates one of the largest alternative fuel fleets in the world, with 18,314 total units using some type of alternative fuel including electric, solar, hybrid-electric, natural gas, or biodiesel.

Clean Fleet Initiatives

Through Mayor de Blasio's NYC Clean Fleet initiative, DCAS is working to cut greenhouse gas emissions in half by 2025. As part of this effort:

- NYC currently operates 1,042 on-road electric vehicles with 150 more on order so far in FY18. This is one of the largest EV fleets in the world. In 2014, there were only about 200 electric cars in the fleet. The City also operates 630 off-road electric and solar units including carts, forklifts, and sign-boards. The City now operates over 422 EV chargers for fleet units including our first solar carport units.
- In FY17, NYC implemented its largest ever biodiesel program with 16 million biodiesel blended gallons or 2.1 million gallon equivalents of pure biodiesel (B100). In 2018, NYC will implement a first demonstration contract for 1 million gallons of renewable hydro carbon diesel fuel (RD) which can achieve equal environmental benefits as biodiesel but without equipment compatibility issues at high blends.
- Through Local Law 38 of 2005, NYC procures the most fuel-efficient light and medium-duty units and reports annually on its fleet equivalent of CAFE, Corporate Average Fuel Economy. In FY17, the fleet achieved a record 83.7 MPG for new light and medium units. Actual average fuel economy for the entire fleet has improved 28% from FY14 to FY17. When adding in the biodiesel program, our use of fossil fuels has decreased 31% per mile since FY14.
- In FY13, DCAS began reporting total fuel and biodiesel use in the MMR. From FY13 to FY17, we have reduced fossil fuel use by 2.3 million gallons or 8%, while absorbing expanded fleet operations and usage.
- NYC is the largest fleet user of car share in the country through its Zipcar program. NYC agencies used more than 150,000 hours of shared Zipcars in 2016, reducing demands on City-owned fleet units. In addition, 750 City-owned fleet units are shared using Zipcar technology, enabling them to be easily pooled. Fleet continues to expand the sharing initiatives and will operate at least 1,000 shared City owned cars by the end of 2018.
- As part of Local Law 41 of 2015, the City reduced the non-emergency light duty fleet by 42 units in FY17. In FY18, DCAS is implementing a larger 118-unit reduction. This law covers about 2,100 light duty sedans and SUVs that are suitable for pooling and excludes police, emergency, inspection and enforcement units, as well as newly funded programs.

- DCAS recently rebid the Citywide car and fleet share contract. We expect to have a new long-term contract registered in FY18 which will include updated and improved sharing technology.
- NYC is also expanding use of anti-idling technology with 202 ambulances now using Stealth electric batteries to reduce emissions with 128 additional units on order.
- Last week, DCAS and Con Edison announced a partnership in which Con Edison will pay the City to Smart Charge its electric cars at night and at off-peak hours.
- DCAS and NYPD are also working with Ford and will look to test the first pursuit rated hybrid Ford Police Interceptors in 2018.
- In December 2015, DCAS issued an RFI for ideas and proposals to improve fleet sustainability. The response has been excellent and over 130 vendors and organizations have engaged this continuing process to date.

Conclusion

Thank you again for allowing us to testify today. We look forward to a continued dialogue with you and other members of the City Council. The Administration is excited about the opportunity to work with you as we continue to push to make the City's fleet one of the cleanest and most sustainable fleets possible.