



Fleet Acquisition Plan FY22 Citywide NYC Fleet

January 3, 2024

NYC Fleet



Fleet Acquisitions FY22

Mayoral Executive Order 161 outlines a comprehensive initiative to share and improve services for NYC's 30,000 vehicles. The initiative included development of the first Citywide Fleet Acquisitions Program. The acquisition strategy elements included:

- Investing in core, specialized and emergency equipment
- Reducing non-emergency light duty fleet size and costs
- Sharing and transferring excess units across agencies
- Sharing specifications resources across agencies and consolidating acquisitions contracts
- Reducing costs on leases
- Review of acquisitions tracking procedures
- Post Sandy, replacing Sandy damaged equipment and improving equipment resiliency in general

Citywide Fleet Policy

- Executive Order Number 161 (April 23, 2012)
 - “DCAS shall issue annually a plan for all fleet and equipment acquisitions (“acquisitions plan”) and shall ensure the coordination of all City and agency fleet acquisition resources.”

FY22 Fleet Acquisition Program Overview

- DCAS Procurement and Fleet implemented **\$266.8 million in committed purchase orders** in FY22 through its fleet acquisitions program.
- As part of the NYC Clean Fleet Plan, DCAS invested in 676 electric and alternative fuel vehicles to replace gas and diesel units.
- There has been a reduction in fleet acquisitions in the last four years tied to the COVID emergency and OMB citywide savings initiatives and this has led to an increase in citywide fleet age.
- New light duty fuel economy declined due to a delay in the delivery of electric vehicles. These vehicles have been delivered in FY23.

Highlights include:

- DCAS central funded EV replacement vehicles
- Major investment in FDNY equipment
- Continued investment in replacement DSNY garbage trucks

Highlights of the FY22 Plan Commitments

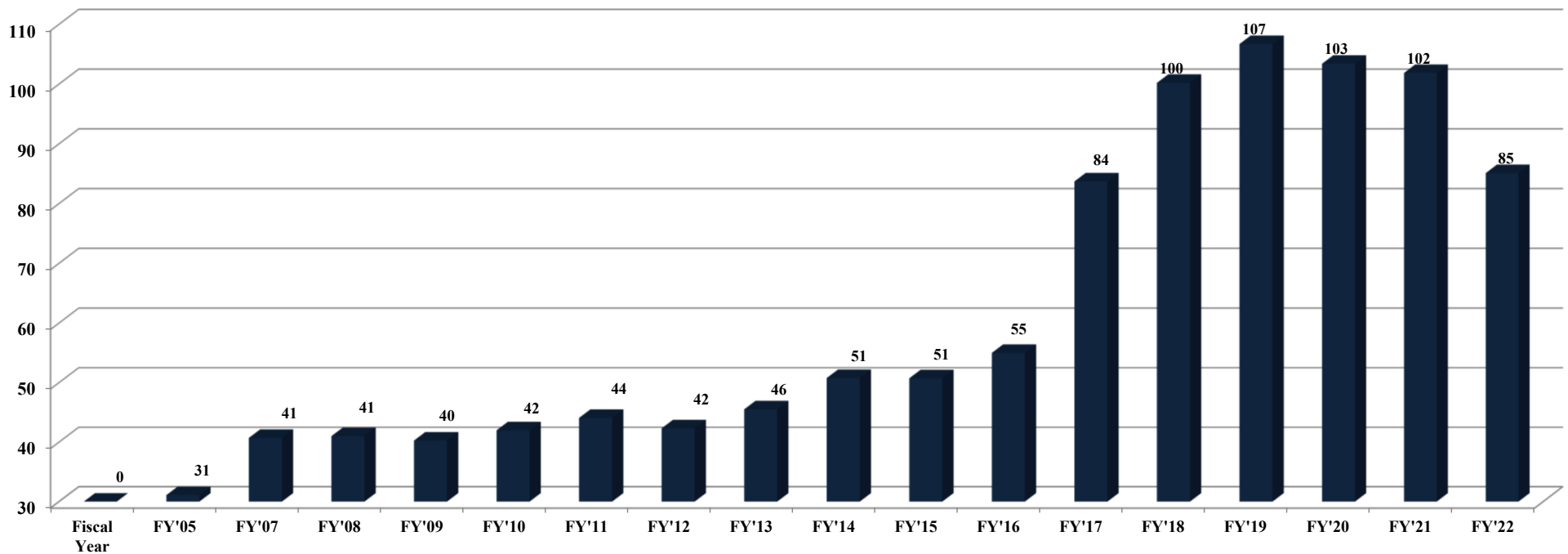
- 289 Collection Trucks, \$95.1M
- 211 Ford Mustang Mach Es, \$13.0M
- 139 Mitsubishi Outlander PHEVs, \$5.5M
- 121 Ford F-250 XL Hybrid Pickups, \$7.2M
- 90 Ambulances w/ idle reduction technology, \$28.0M
- 46 Tow Trucks, \$6.4M
- 44 Chevrolet Express XL Hybrid Passenger Vans, \$3.4M
- 40 Chevrolet Express XL Hybrid Cargo Vans, \$1.9M
- 33 Ford Police Hybrid Utility Interceptors, \$2.1M
- 32 Ford F-150 Hybrid Pickups, \$2.1M
- 30 Salt Spreader Trucks, \$11.0M
- 17 Tower Ladder Trucks, \$25.4M
- 13 Ford E-Transit Cargo Vans, \$0.7M
- 10 Pumper Trucks, \$9.0M
- 7 Electric Collection Trucks, \$3.7M
- 3 Electric Correction Buses, \$1.2M
- 1 Hybrid 6 CY Collection Truck, \$0.1M

FY22 Alternative Fuel Vehicle Purchases

- 211 Ford Mustang Mach Es, \$13.0M
- 139 Mitsubishi Outlander PHEVs, \$5.5M
- 121 Ford F-250 XL Hybrid Pickups, \$7.2M
- 44 Chevrolet Express XL Hybrid Passenger Vans, \$3.4M
- 40 Chevrolet Express XL Hybrid Cargo Vans, \$1.9M
- 33 Ford Police Hybrid Utility Interceptors, \$2.1M
- 32 Ford F-150 Hybrid Pickups, \$2.1M
- 13 Ford E-Transit Cargo Vans, \$0.7M
- 12 Off Road Utility Vehicles, \$0.2M
- 8 Solar Light Towers, \$0.3M
- 7 Electric Collection Trucks, \$3.7M
- 5 Electric Forklifts, \$0.2M
- 5 Toyota Highlander Hybrids, \$0.2M
- 3 Electric Correction Buses, \$1.2M
- 1 Hybrid 6 CY Collection Truck, \$0.1M
- 1 Chevrolet Bolt, \$0.03M
- 1 Electric Light Tower, \$0.01M
- **676 units total**

Fuel Economy by Fiscal Year

NYC Fleet: Light Duty Fuel Economy by Fiscal Year
Local Law 38 of 2005



Electrification of Fleet Continues

As part of NYC Clean Fleet, DCAS continues to expand the nation's largest municipal electric vehicle fleet.

- In FY22, Fleet purchased 374 on-road electric vehicles, of which 263 were centrally funded by DCAS. The City operates 2,670 total on-road plug in units, surpassing our original plan of 2,000 by 2025. DCAS has revised the target to 4,000 by 2025.
- Fleet also procured 26 off-road electric and/or solar units. The City operates 807 off-road electric and/or solar units.
- Fleet completed installs on 114 new EV charging stations in FY22. As of September 2022, we operate 1,287 ports.

NYC Fleet EV Charging Network as of September 2022



Total 1,287 Electrical Charging Ports

- 936 Level 2 Charging Ports
- 86 Solar Carports + 3 Solar Public Charging
- 92 DC Fast Chargers + 11 DC Fast Public Charging
- 8 DOT Municipal Level 3 Chargers
- 38 DOT Municipal Level 2 Chargers
- 112 DOT Level 2 Curbside Chargers
- 1 Mobi Mobile Charger

EO Fleet Reduction

DCAS Fleet completed implementation of fleet reduction under Mayoral EO 41 of 2019 calling for a reduction of at least 1,000 units by June 30, 2021. The revised fleet counts have been reported in the FY21 MMR.

DCAS also completed more than 500 reductions in authorized commuting.

Performance Target	Citywide	DCAS	DEP	DOC	DOE	DOHMH	DOT	DPR	DSNY	FDNY	NYPD	
Change FY21 to FY19 MMR	On-Road	-767	47	-37	-6	-4	-40	83	36	-35	-148	-663
% Change FY21 to FY19 MMR	On-Road	-3.0%	2.1%	-2.1%	-1.0%	-1.3%	-12.6%	3.5%	2.1%	-0.7%	-6.6%	-7.6%
Change FY21 to FY19 PMMR	On-Road	-1109	24	-61	-28	-22	-59	110	-4	-73	-188	-808
% Change FY21 to FY19 PMMR	On-Road	-4.3%	1.1%	-3.4%	-4.7%	-7.0%	-17.5%	4.7%	-0.2%	-1.4%	-8.2%	-9.1%

DOE Electric School Buses

- The first DOE electric school bus from Transtech was delivered in June 2020.
- A Micro Bird electric bus was placed in service in January 2021.
- A Collins electric bus was placed in service in March 2022.
- In 2021, the City has passed Local Law 120 requiring a fully electric school bus fleet by 2035.



NYPD Hybrid and Electric Police Vehicles

- Beginning in FY20, every NYPD police car has been a hybrid.
- Police purchased 77 hybrid police cars in FY22:
 - 33 Ford Hybrid Utility Interceptors
 - 44 Chevrolet Express Hybrid Passenger Vans
- NYPD has committed to transitioning to all hybrid police cars.
- NYPD also introduced the first all-electric pursuit rated unit, a Tesla, in FY21. DCAS procured for NYPD 147 Mach E electric units in FY22.

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](#).

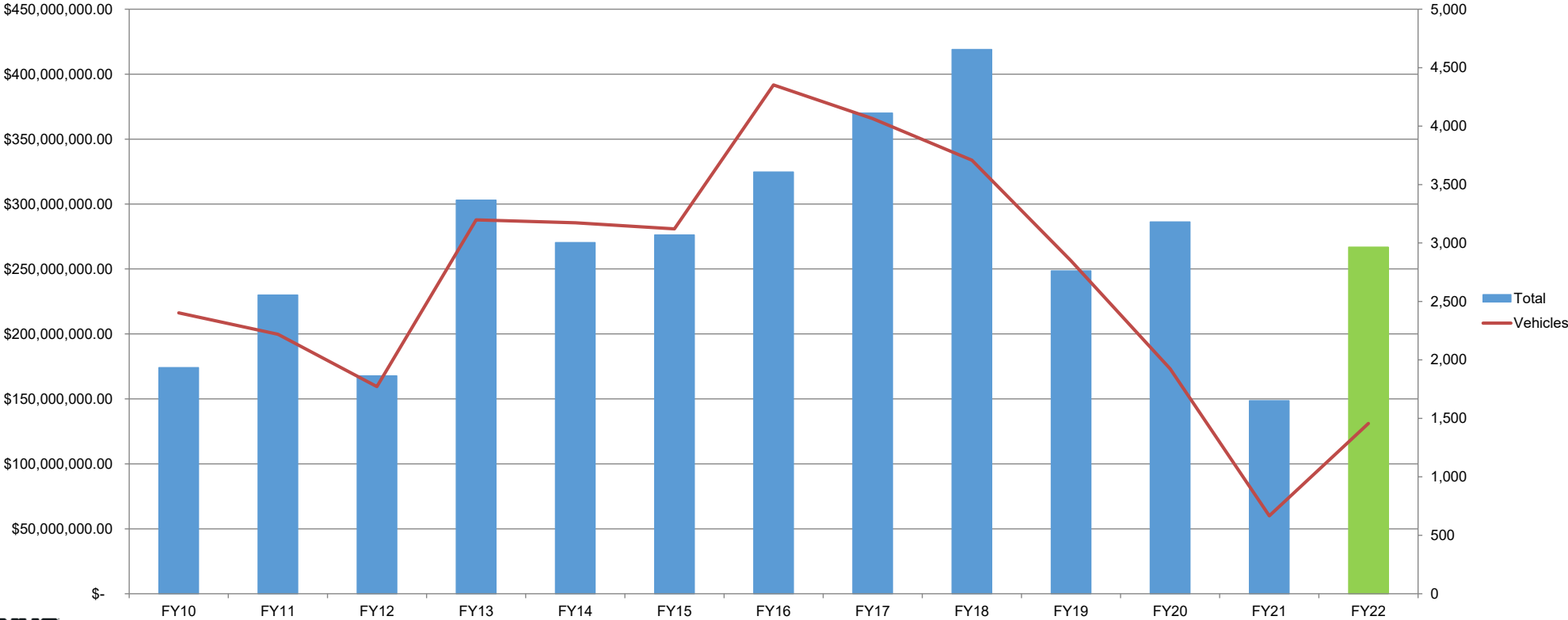
With Fiscal Year 20 now behind us, we can report that every new police car and utility procured this year was in fact hybrid. NYPD received 409 new hybrid police cars, with 374 hybrid sedan Ford Responders and 35 Ford Hybrid Utility Interceptors and Escapes. This is the first time NYPD has procured an 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.

With the new hybrids, NYPD will operate 2,199 alternative fuel designed vehicles, the largest clean fleet of any City agency. NYPD operates 25 different models of alternative fuel vehicles including 51 plug-in electric on-road units. NYPD had been exempted from Local Law 38 of 2005 which requires fuel-efficient vehicles but has worked with DCAS to reduce fuel use and emissions as part of the NYC Clean Fleet Plan. The new hybrid policing units are expected to achieve at least 33% improvement in fuel economy from previous comparable units.

From Deputy Commissioner Robert Martinez at NYPD Support Services: "I would like to thank Ford Motor Company for marking a pursuit capable hybrid police vehicle that meets the needs of the NYPD. In addition, a big thank you to all the OEMs including Chevy and Toyota, for adding many fully electric and hybrid vehicles options for greening NYC's



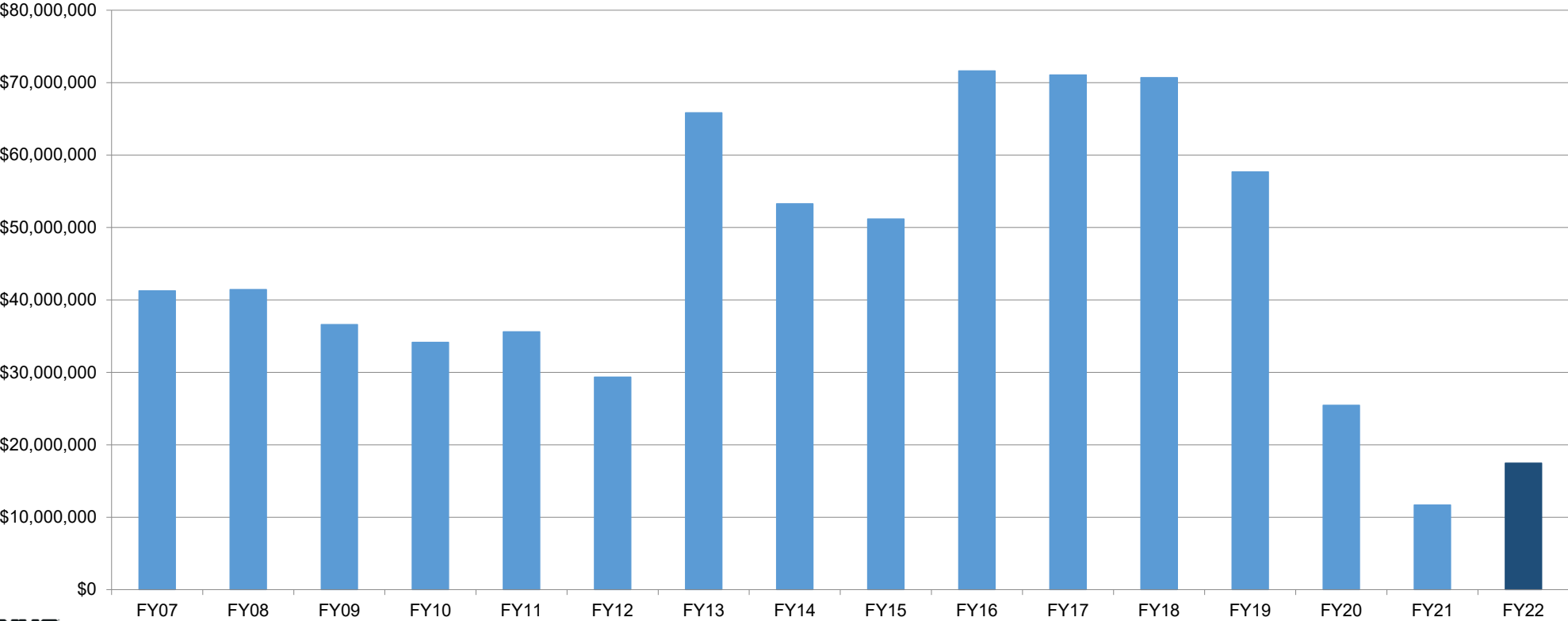
Investment in Vehicles Overall, Capital and Expense



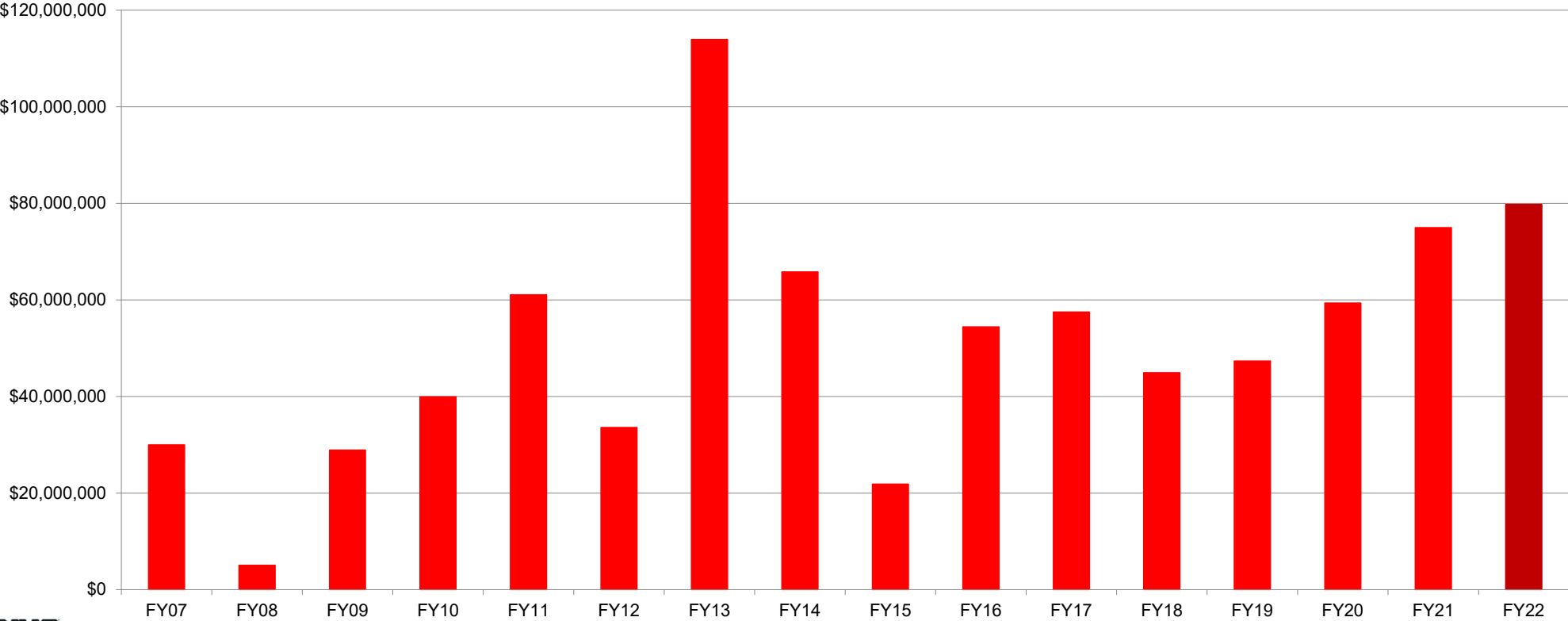
Highlights of the FY14-FY22 Plans

- *Total investment in fleet in the last 9 years was \$2.61 billion and 25,314 fleet units.*
- 2,748 Hybrid Sedans, \$86.0M
- 2,172 Police Sedans (non-hybrid), \$75.1M
- 1,961 Collection Trucks, \$599.8M
- 1,144 Plug-in Hybrid Sedans, \$31.9M
- 711 Ambulances, \$180.0M
- 789 Electric Sedans/Crossover, \$32.2M

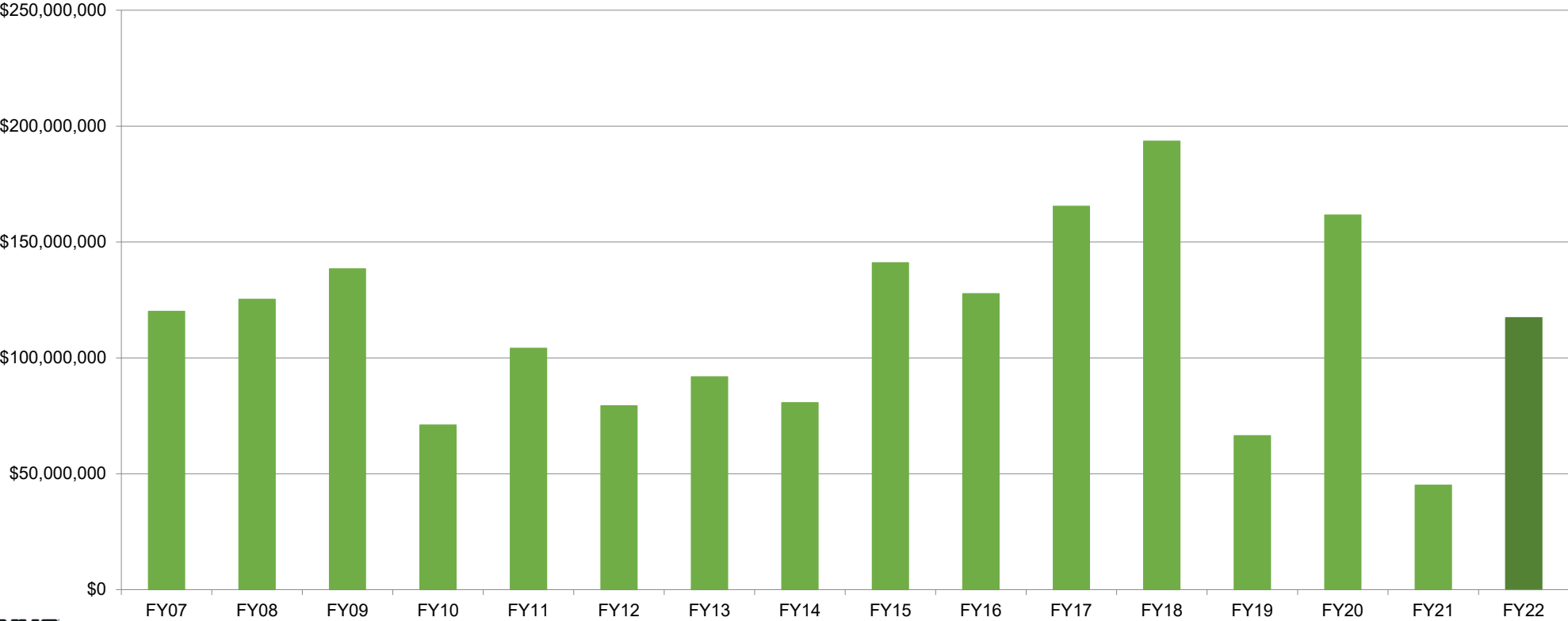
Investment in NYPD Equipment



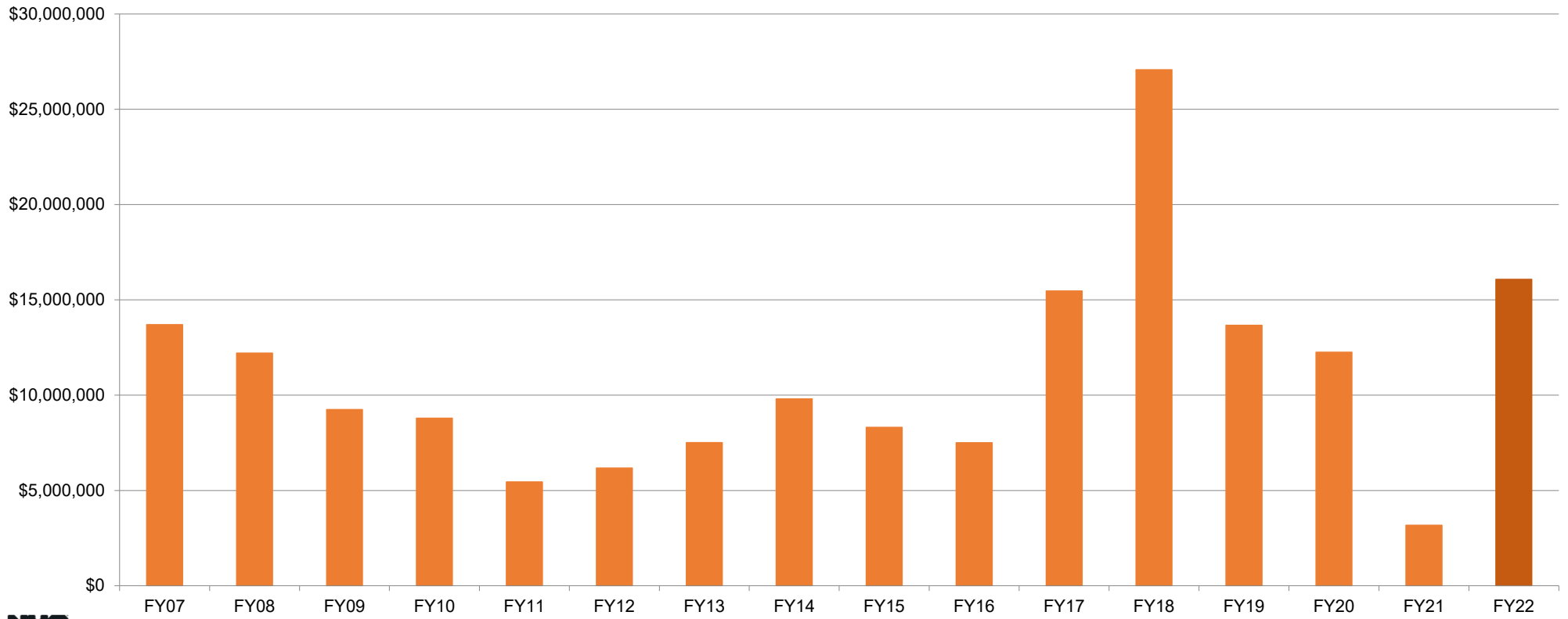
Investment in Fire Equipment



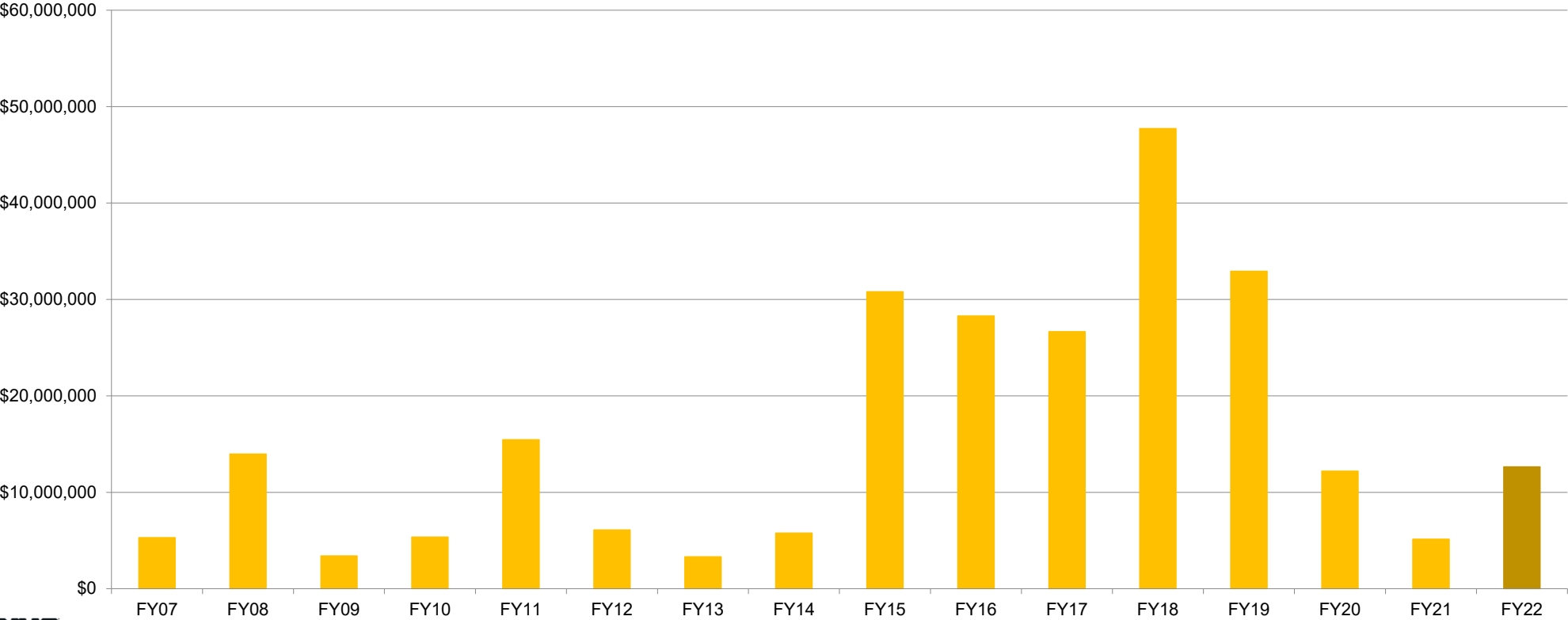
Investment in DSNY Equipment



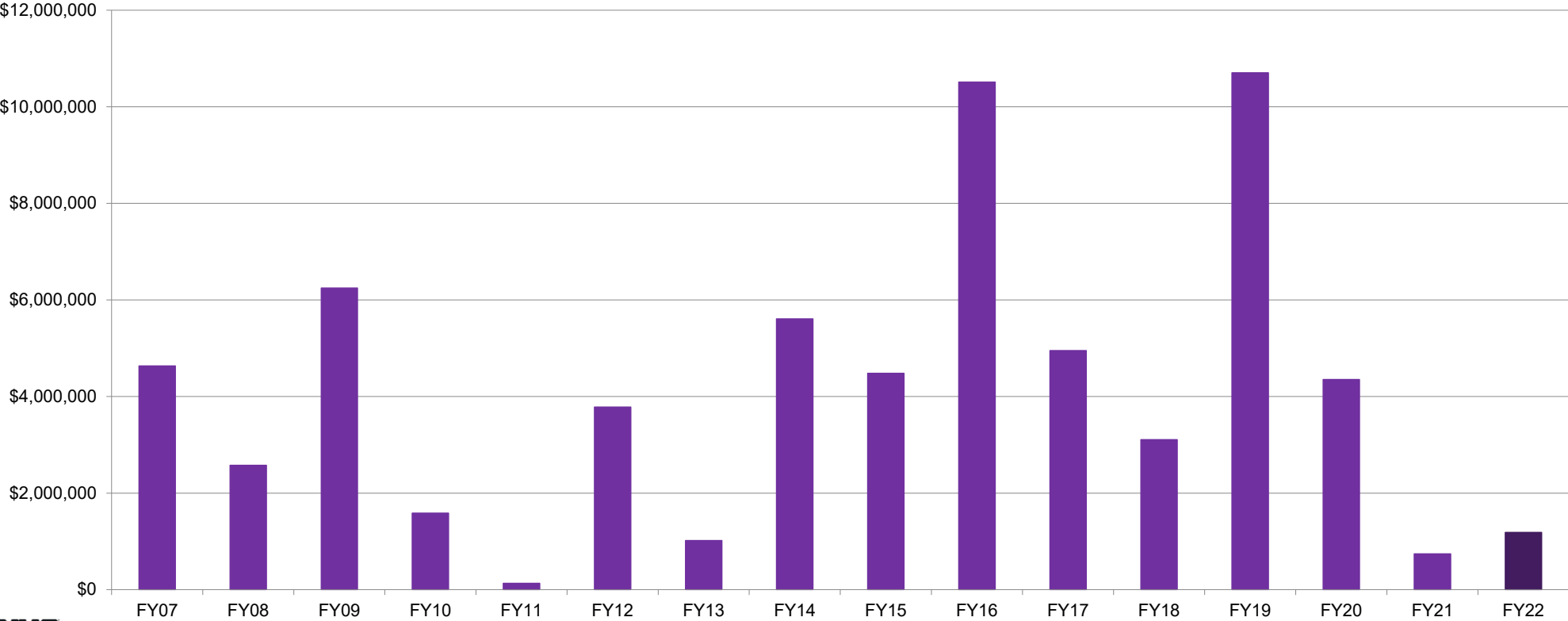
Investment in Parks Equipment



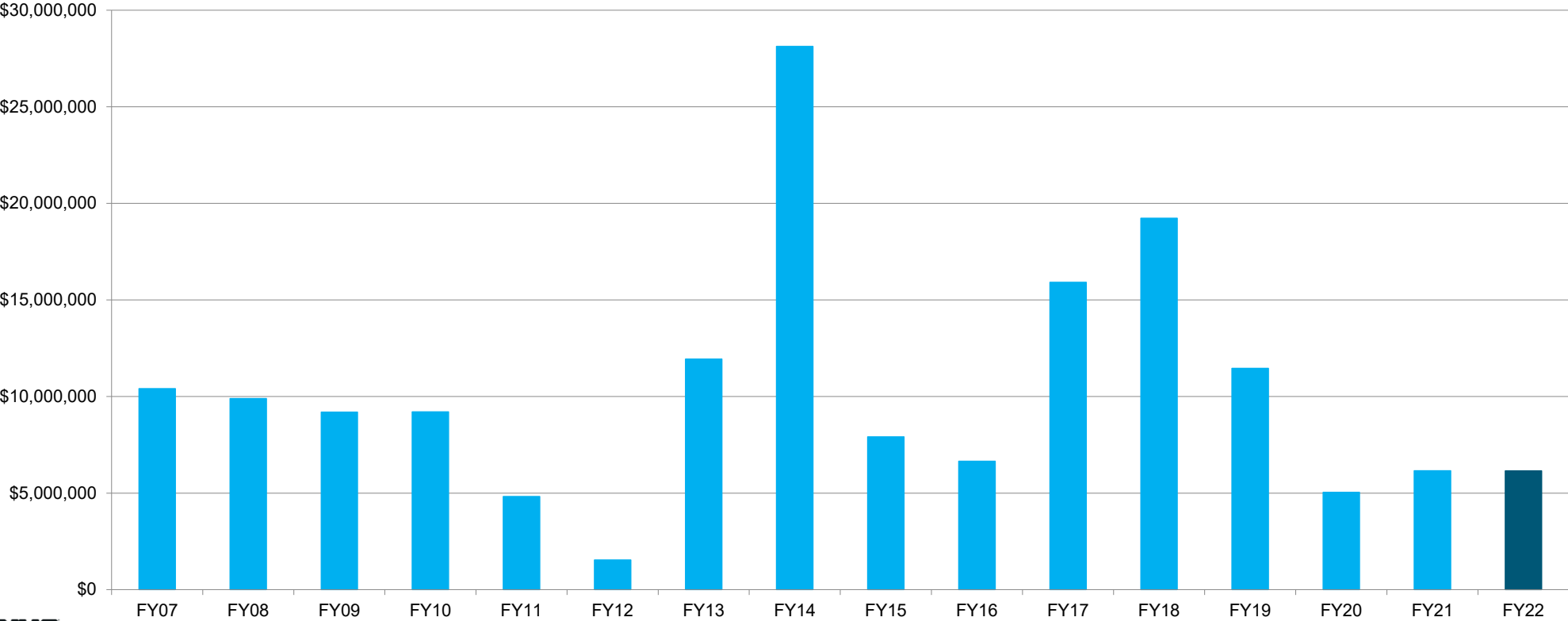
Investment in DOT Equipment



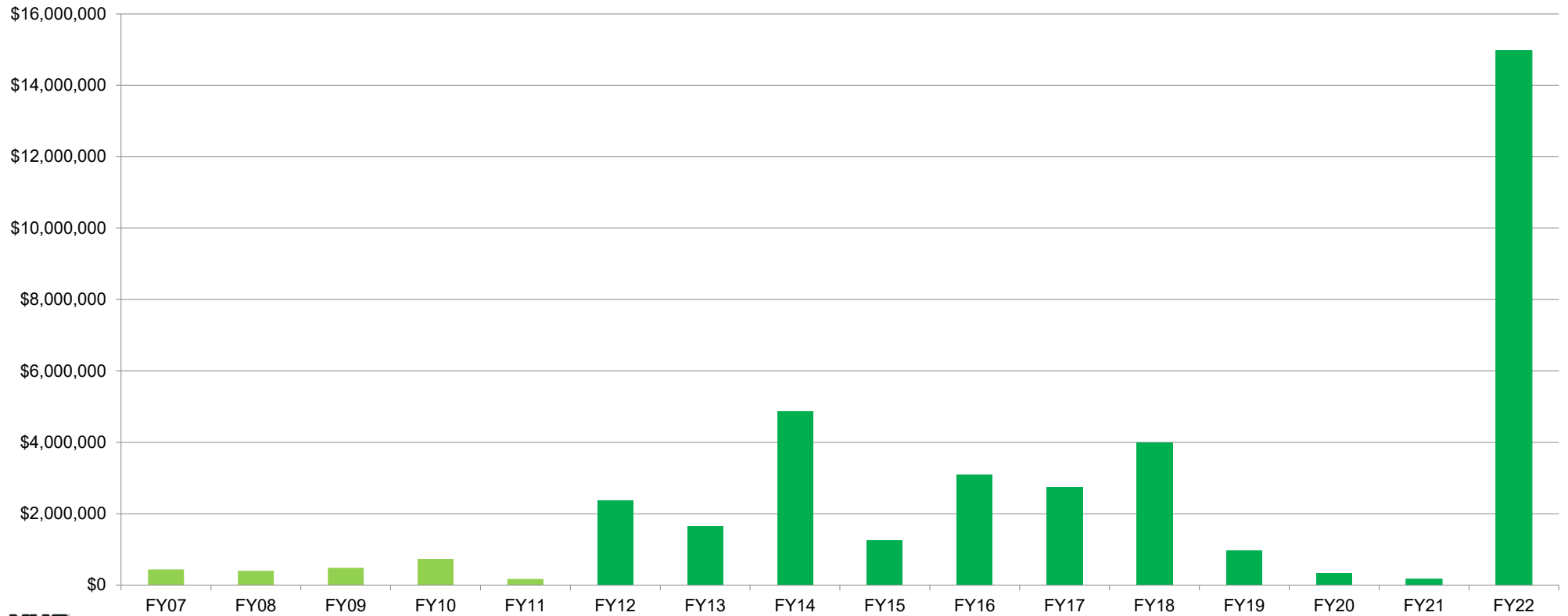
Investment in DOC Equipment



Investment in DEP Equipment



Investments in EV Plug-ins, DOE, and Citywide units through DCAS



Approved Fleet Acquisitions

- Since the beginning of FY22, NYC Fleet and OMB, together known as the Committee for Fleet Management or CFM, have approved 43 capital project requests (CPs) in the total amount of **\$375 million**. On the expense side, DCAS approved **\$26 million** in approved expense orders in FY22.
- In total, there were \$401 million in fleet unit approvals in FY22.
- The following represents a breakdown of the approved CPs by agency, quantity, and total amount (\$ in 000's):

Agency	Quantity	Amount
DCAS	1	\$18,231
DCLA	1	\$159
DOC	2	\$1,926
DOT	4	\$9,918
DSNY	7	\$120,200
FDNY	17	\$218,819
NYPD	11	\$5,287
Total	43	\$374,540

Fleet Purchase Orders

- NYC Fleet and Procurement processed and committed \$267 million in purchase orders in FY22 (\$241M Capital, \$26M Expense).

- *Capital: DSNY and FDNY account for 81% of all capital purchase costs*

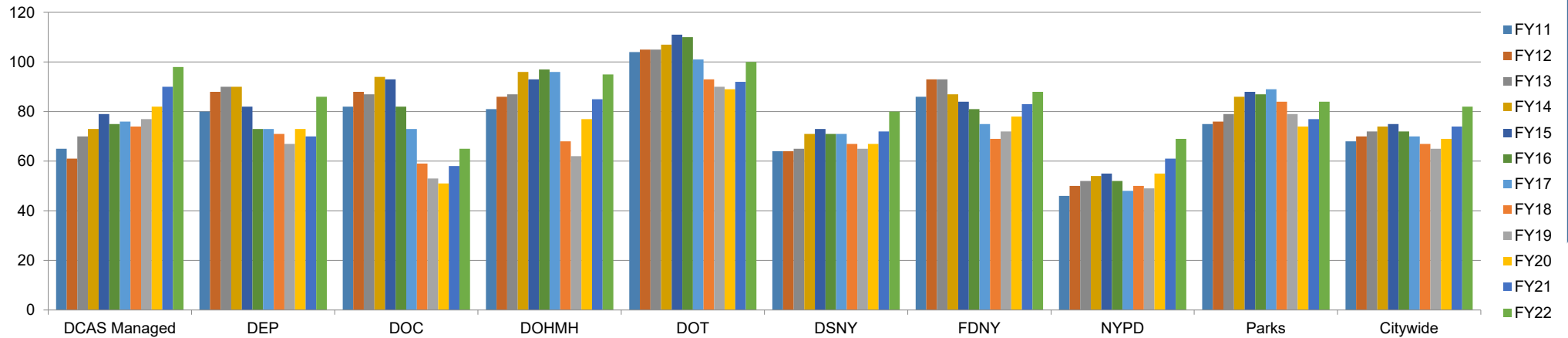
Agency	DSNY	DPR	FDNY	NYPD	DOT	DEP	DOC	TOTAL
Number of Units	374	247	130	107	54	42	3	957
Cost	\$116,836	\$13,300	\$79,169	\$13,772	\$12,036	\$4,378	\$1,186	\$240,677

- *Expense: DCAS accounts for 57% of all expense purchase costs*

Agency	DCAS	DPR	NYPD	DEP	DOT	DSNY	OEM	DOF/Sheriff	FDNY	OTHER	TOTAL
Number of Units	267	73	60	46	14	14	9	4	4	8	499
Cost	\$14,973	\$2,779	\$3,705	\$1,774	\$604	\$524	\$558	\$260	\$630	\$329	\$26,135

Fleet Age

Average Age of Fleet Overall
(in months)



Agency	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
DCAS Managed	61	70	73	79	75	76	74	77	82	90	98
DEP	88	90	90	82	73	73	71	67	73	70	86
DOC	88	87	94	93	82	73	59	53	51	58	65
DOHMH	86	87	96	93	97	96	68	62	77	85	95
DOT	105	105	107	111	110	101	93	90	89	92	100
DSNY	64	65	71	73	71	71	67	65	67	72	80
FDNY	93	93	87	84	81	75	69	72	78	83	88
NYPD	50	52	54	55	52	48	50	49	55	61	69
Parks	76	79	86	88	87	89	84	79	74	77	84
Citywide	70	72	74	75	72	70	67	65	69	74	82

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