

NYC Fleet



Fleet Acquisition Plan FY23 Citywide

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January 3, 2024

Fleet Acquisitions FY23

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.”

FY23 Fleet Acquisition Program Overview

- DCAS Procurement and Fleet implemented the City's largest single year fleet acquisitions program with \$672.4 million in committed purchase orders processed in FY23.
- Major acquisition programs were implemented for uniformed service agencies NYPD, DSNY, FDNY and Correction.
- The focus of the plan was replacement of 573 sanitation and emergency trucks, and a record electric vehicle and alternative fuel investment.
- **The City ordered 2,189 electric and alternative fuel replacement vehicles, the largest clean fleet program in City history.**
- The average fuel economy for new light duty vehicles was 112 MPG, a new record.

Highlights include:

- DCAS central funded EV replacement vehicles (1,049 vehicles, \$48.7M)
- Major investment in NYPD, FDNY, DOC and DEP vehicle and equipment
- Continued investment in replacement DSNY garbage trucks

Highlights of the FY23 Plan Commitments

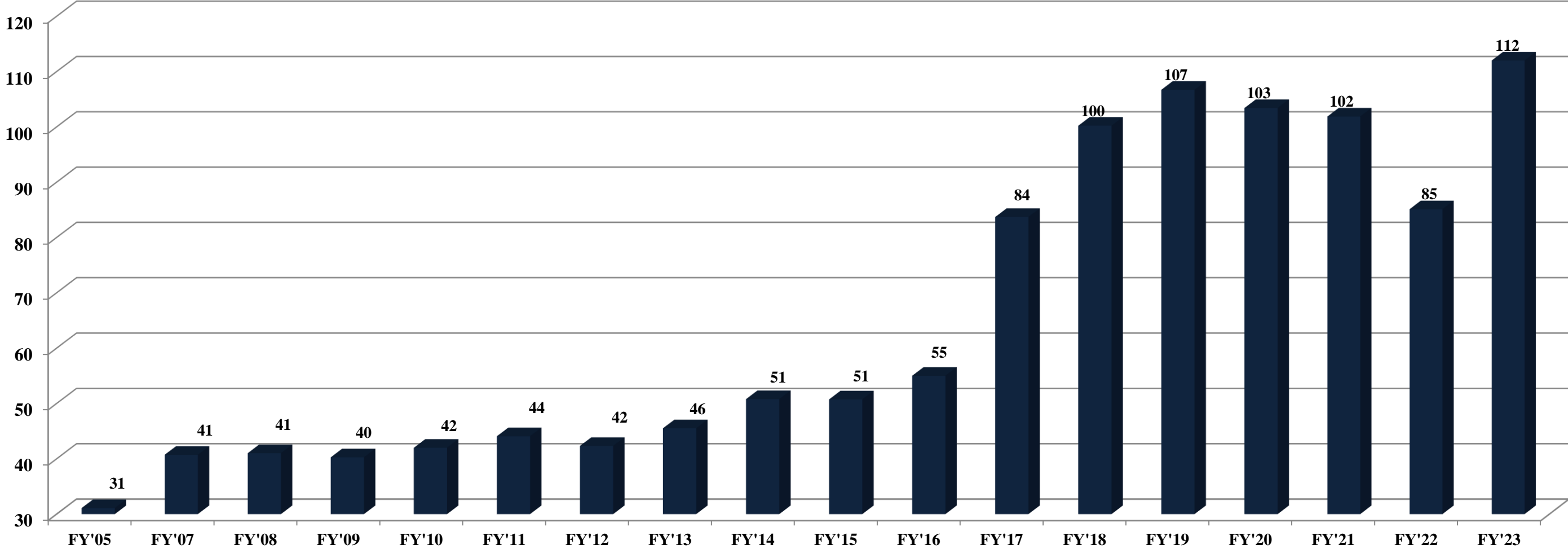
- 683 Chevrolet Bolts, \$21.0M
- 615 Ford Police Utility Hybrid Interceptors, \$37.9M
- 442 Collection Trucks, \$95.7M
- 312 Ford E-Transits, \$18.5M
- 168 Ambulances w/ idle reduction technology, \$74.8M
- 151 Ford F-150 Lightnings, \$7.0M
- 139 Ford Mustang Mach-Es, \$8.3M
- 130 Street Sweepers, \$41.1M
- 47 Tow Trucks, \$9.6M
- 37 Street Sweepers PHEV, \$16.6M
- 36 Salt Spreader Trucks, \$15.8M
- 33 Rear Mount Trucks, \$56.2M
- 25 Tower Ladder Trucks, \$58.2M
- 8 Electric Sweepers, \$2.8M
- 4 Electric Forklifts, \$0.2M
- 2 Electric Collection Trucks, \$1.1M
- 1 Electric Box Truck, \$0.5M

FY23 Alternative Fuel Vehicle Purchases

- 683 Chevrolet Bolts, \$21.0M
- 615 Ford Police Utility Hybrid Interceptors, \$37.9M
- 312 Ford E-Transits, \$18.5M
- 151 Ford F-150 Lightnings, \$7.0M
- 139 Ford Mustang Mach-Es, \$8.3M
- 76 Ford Escape Hybrids, \$3.5M
- 75 Mitsubishi Outlander PHEVs, \$3.5M
- 37 Street Sweepers PHEV, \$16.6M
- 31 Hybrid Passenger Vans, \$3.5M
- 24 Toyota Prius Primes, \$0.6M
- 22 Ford F-150 Hybrids, \$1.1M
- 8 Electric Sweepers, \$2.8M
- 7 Toyota Highlander Hybrids, \$0.3M
- 4 Electric Forklifts, \$0.2M
- 2 Electric Collection Trucks, \$1.1M
- 2 Mobile Command Posts, Ford E-Transits, \$0.7M
- 1 Electric Box Truck, \$0.5M
- **2,189 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 FY23, Fleet purchased 1,434 on-road electric vehicles, of which 1,048 were centrally funded by DCAS. The City operates 3,828 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 4 off-road electric and/or solar units. The City operates 818 off-road electric and/or solar units.
- Fleet completed installs on 431 new EV charging stations in FY23. As of July 2023, we operate 1,718 ports.



NYC Fleet EV Charging Network as of July 2023



- Total 1,718 Electrical Charging Ports**
- 1,217 Level 2 Charging Ports
 - 129 Solar Carports + 5 Solar Public Charging = 132 Total Solar Carports
 - 196 DC Fast Chargers + 11 DC Fast Public Charging = 207 Total DCFCs
 - 7 DOT Municipal Level 3 Chargers
 - 38 DOT Municipal Level 2 Chargers
 - 116 DOT Level 2 Curbside Chargers
 - 1 Mobi Mobile Charger

Mayoral Fleet Reduction

DCAS Fleet completed implementation of a Mayoral Fleet Reduction initiative in 2022 of 974 total units or 3.3% of the total City fleet. The revised fleet counts have been reported in the FY23 MMR.

DCAS also completed 500 reductions in authorized commuting.

Both reductions are on top of fleet and commuter reductions completed as part of Executive Order 41 of 2019.

NYC Fleet:
Comparisons

Performance Target	Citywide	DCAS	DEP	DOC	DOE	DOHMH	DOT	DPR	DSNY	FDNY	NYPD
Change FY23 YTD to FY22 PMMR Fleet Size Total	-974	-213	-102	-21	-79	-64	-76	-183	-121	-14	-101
% Change FY23 YTD to FY22 PMMR Fleet Size Total	-3.3%	-8.8%	-4.8%	-2.9%	-27.1%	-23.1%	-2.2%	-6.4%	-2.0%	-0.6%	-1.1%
Change FY23 YTD to FY22 PMMR On-Road	-862	-207	-105	-19	-79	-64	-63	-179	-107	-17	-22
% Change FY23 YTD to FY22 PMMR On-Road	-3.5%	-9.2%	-6.0%	-3.2%	-27.1%	-23.3%	-2.6%	-10.3%	-2.1%	-0.8%	-0.3%



NYPD Hybrid Police Vehicles

- Beginning in FY20, every NYPD police car has been a hybrid.
- Police purchased 678 hybrid police cars in FY23:
 - 571 Ford Hybrid Utility Interceptors
 - 76 Ford Escape Hybrids
 - 31 Hybrid Passenger Vans
- NYPD has committed to transitioning to all hybrid police cars.
- DCAS also procured 41 additional electric Mach Es units for NYPD, adding to 147 units procured by DCAS 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](#).

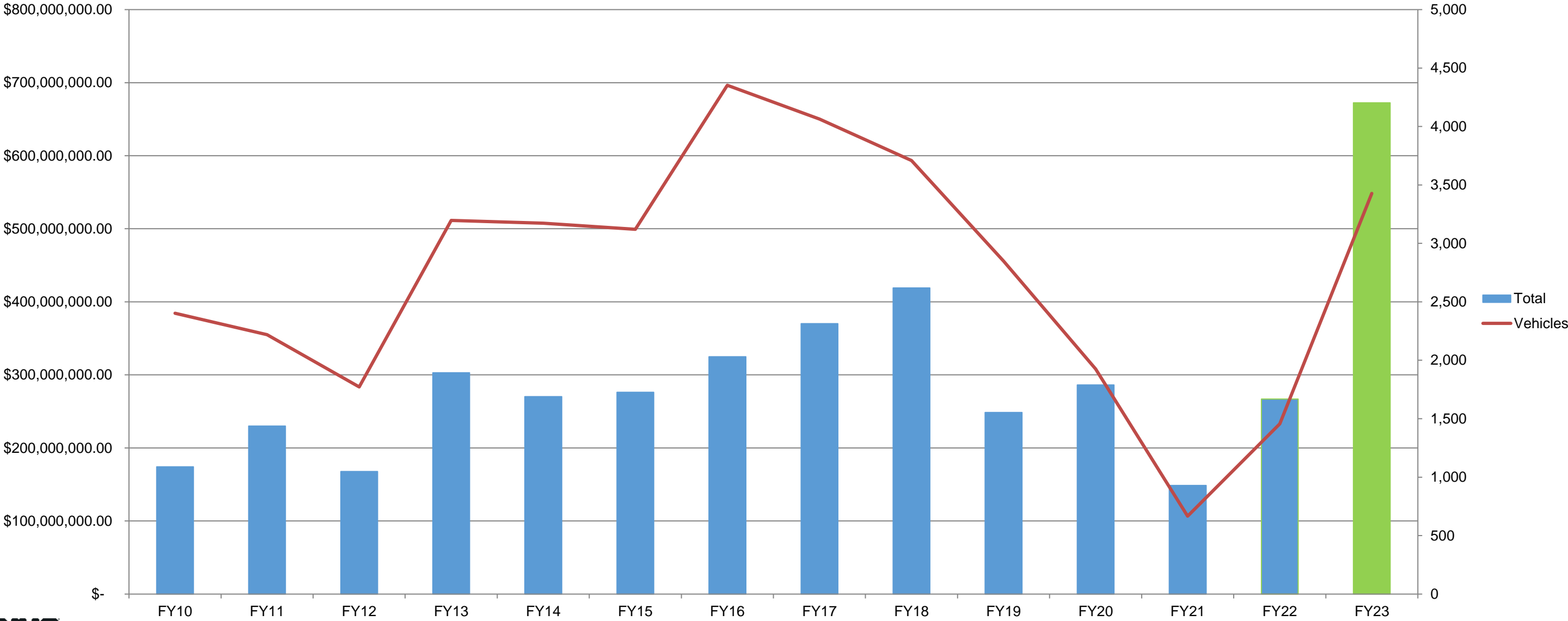
With Fiscal Year 20 now behind us, we can report that every new police car and utility procured this year was in fact hybrid. NYPD received 409 new hybrid police cars, with 374 hybrid sedan Ford Responders and 35 Ford Hybrid Utility Interceptors and Escapes. This is the first time NYPD has procured an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



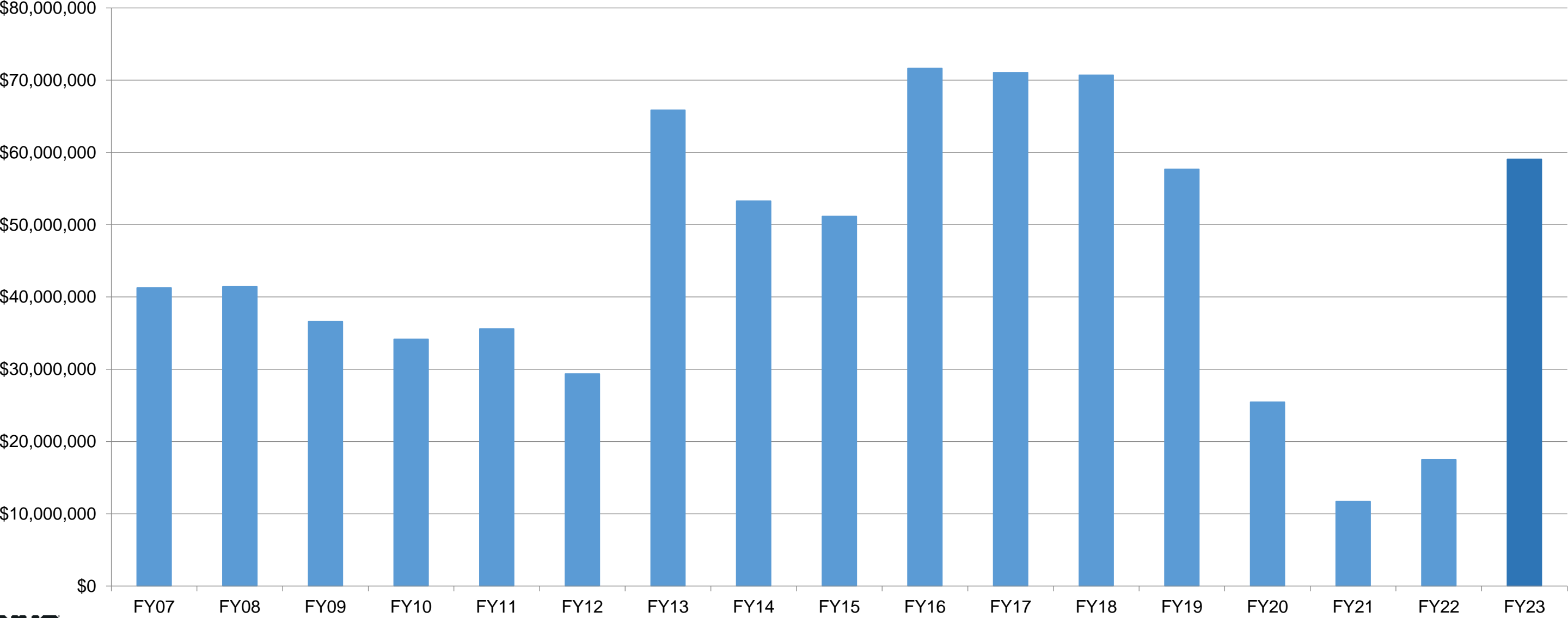
Investment in Vehicles Overall, Capital and Expense



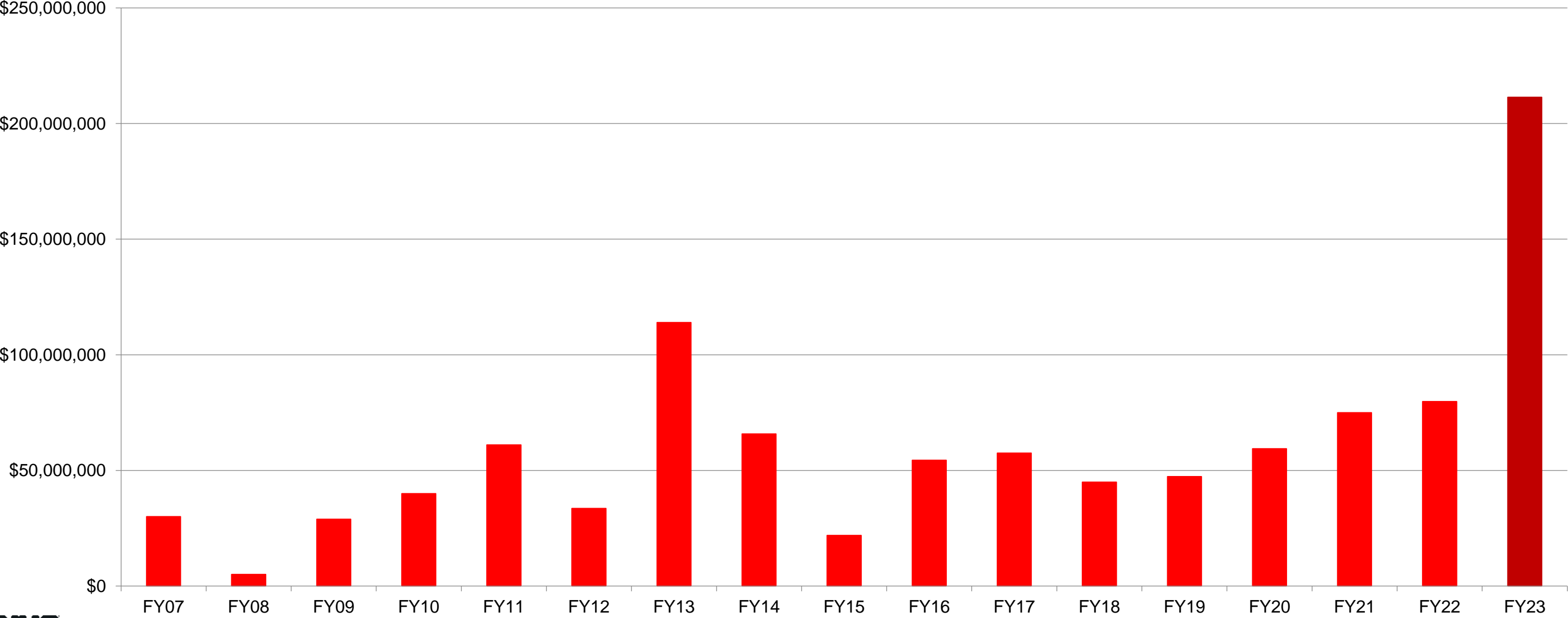
Highlights of the FY14-FY23 Plans

- *Total investment in fleet in the last 10 years was \$3.3 billion and 28,741 fleet units.*
- 2,748 Hybrid Sedans, \$86.0M
- 2,180 Police Sedans (non-hybrid), \$75.2M
- 2,464 Collection Trucks, \$822M
- 1,168 Plug-in Hybrid Sedans, \$32.5M
- 975 Ambulances, \$283.2M
- 1,611 Electric Sedans/Crossover, \$61.4M

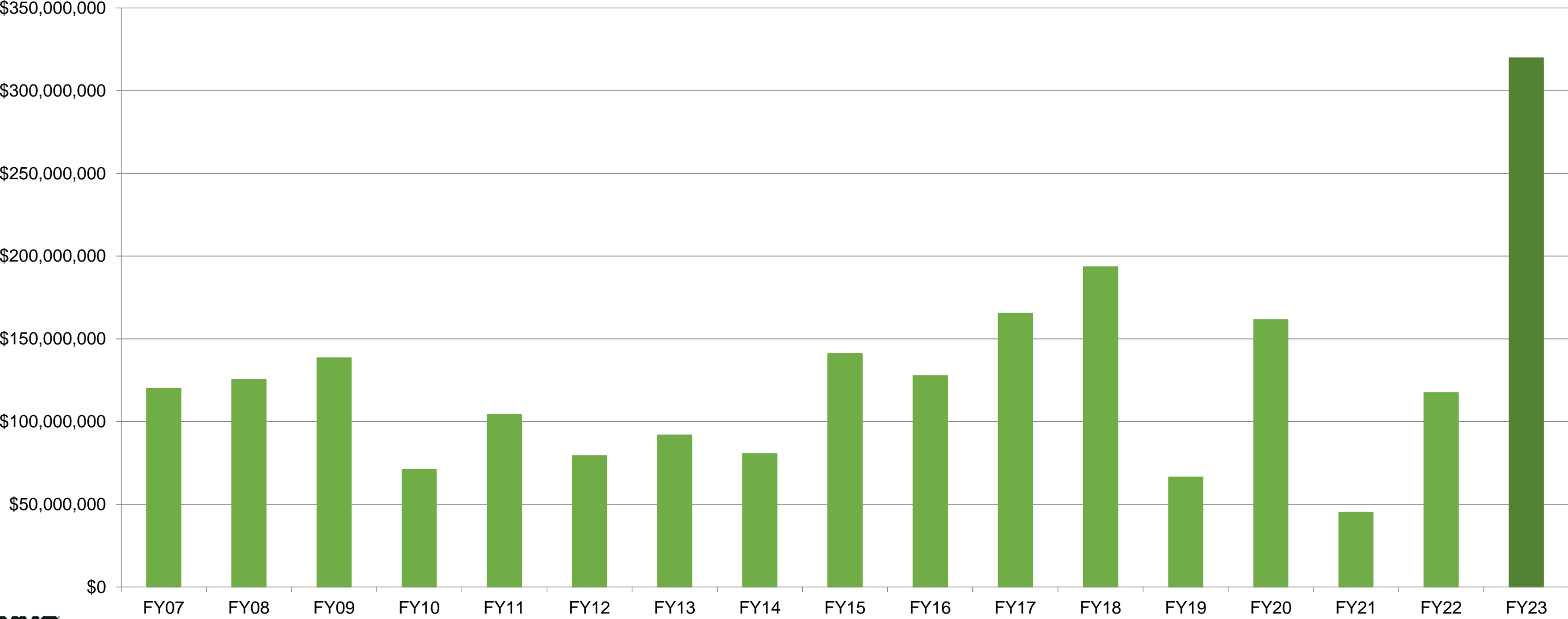
Investment in NYPD Equipment



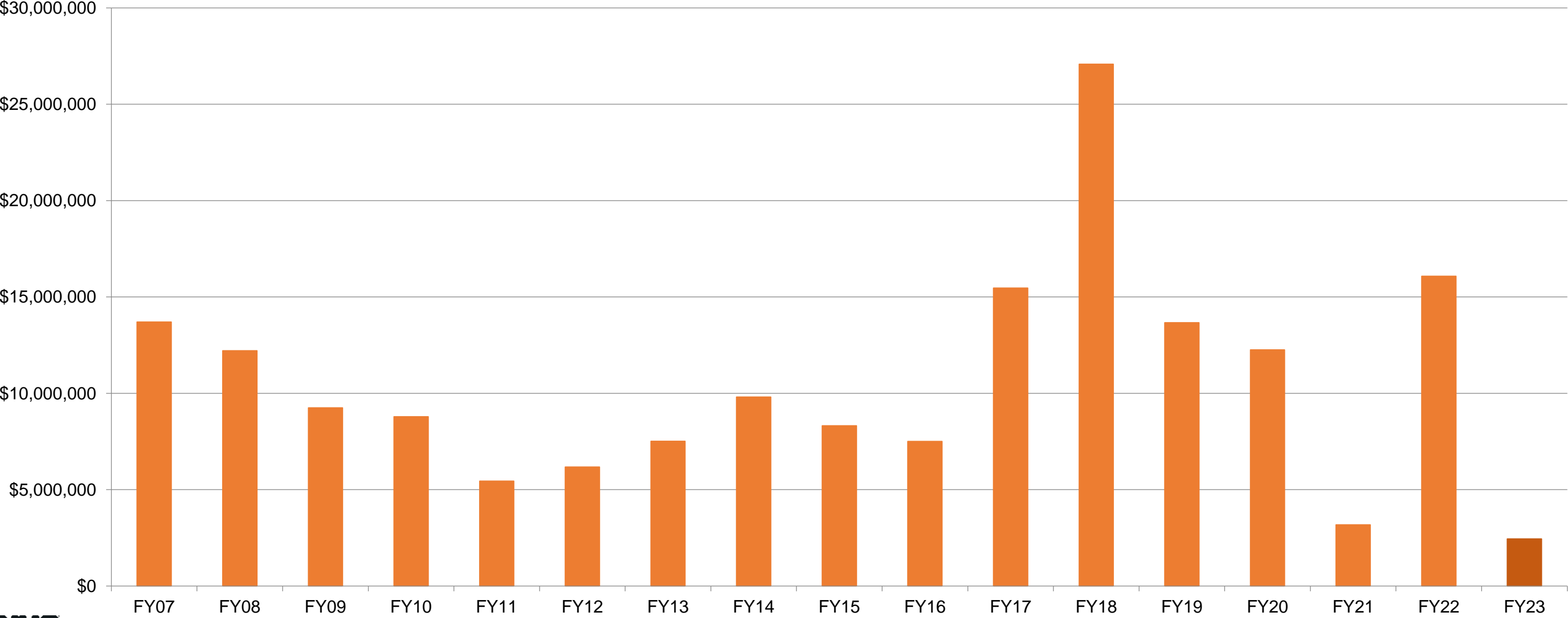
Investment in Fire Equipment



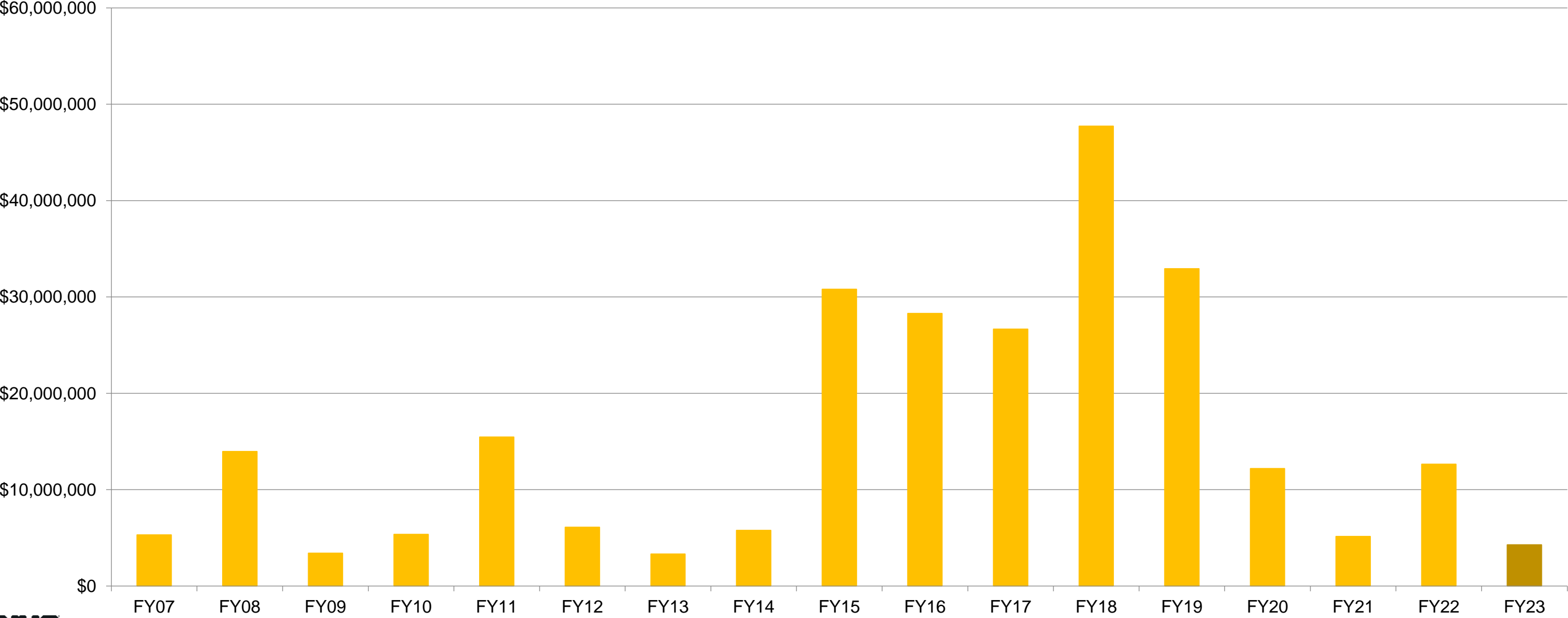
Investment in DSNY Equipment



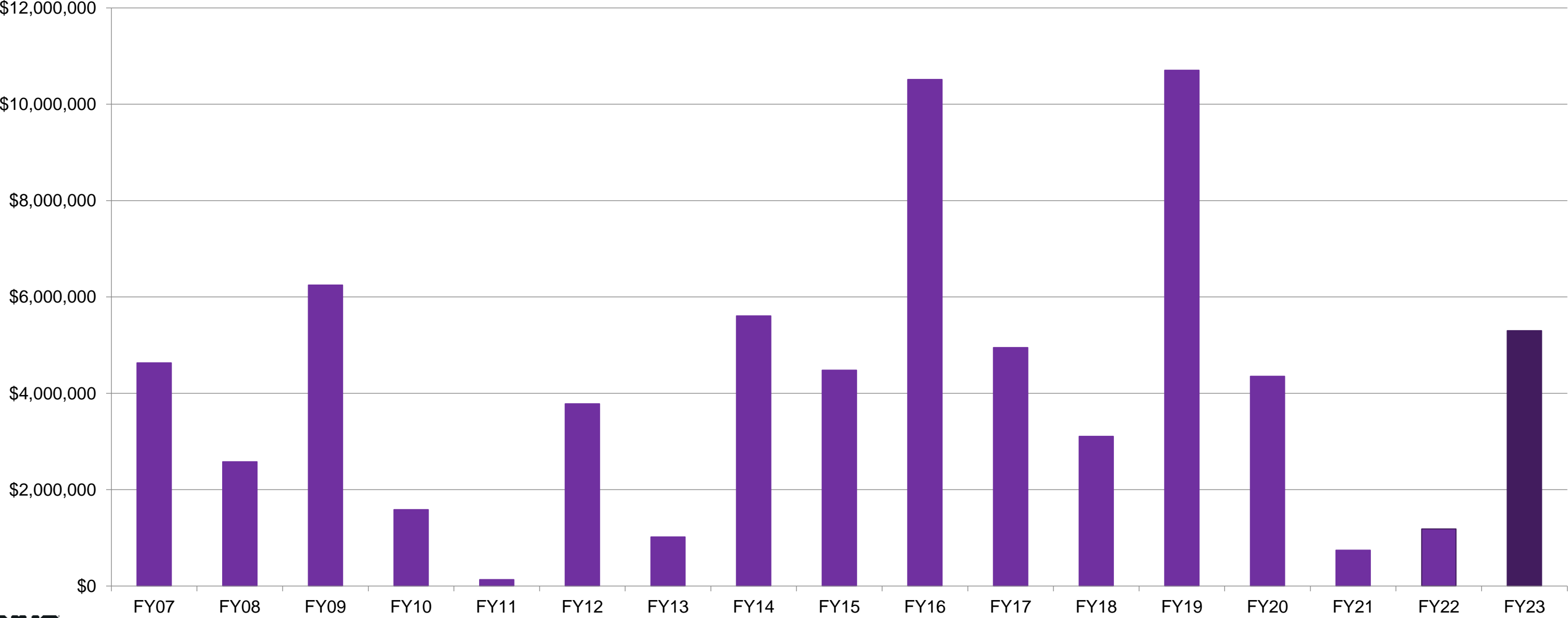
Investment in Parks Equipment



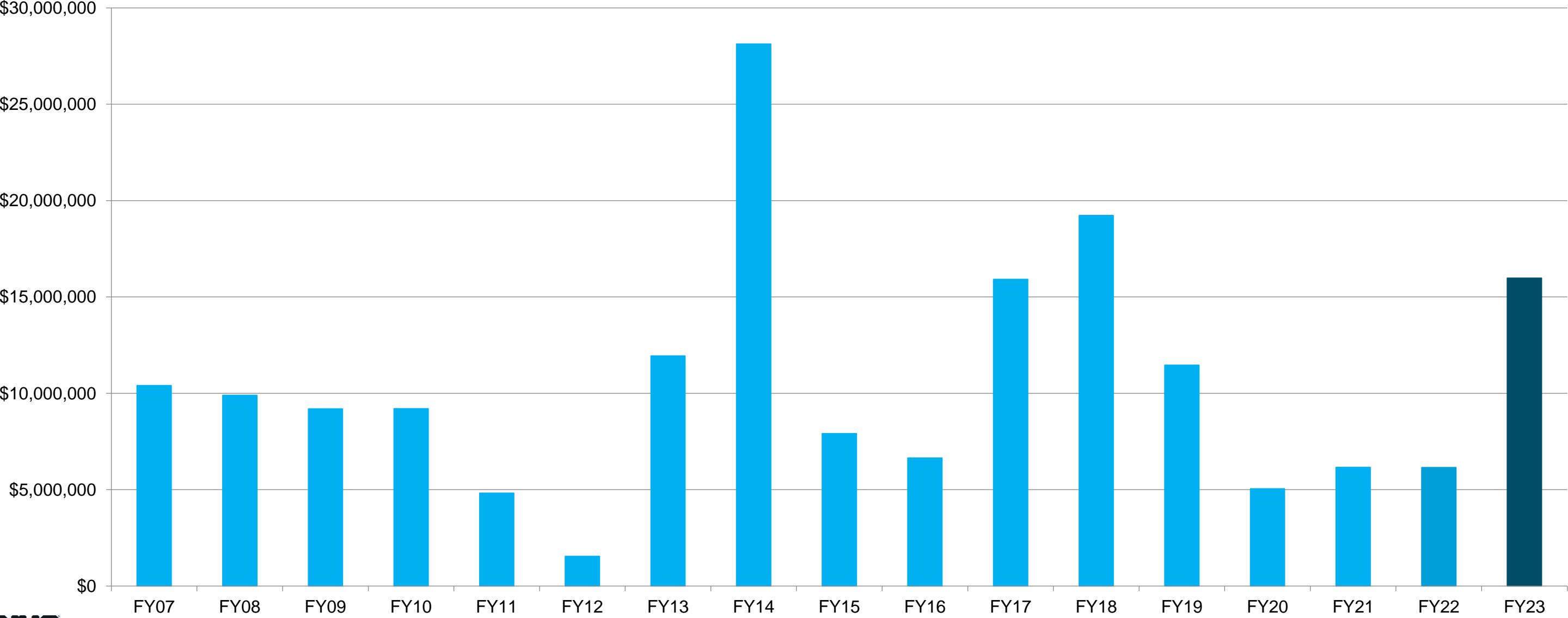
Investment in DOT Equipment



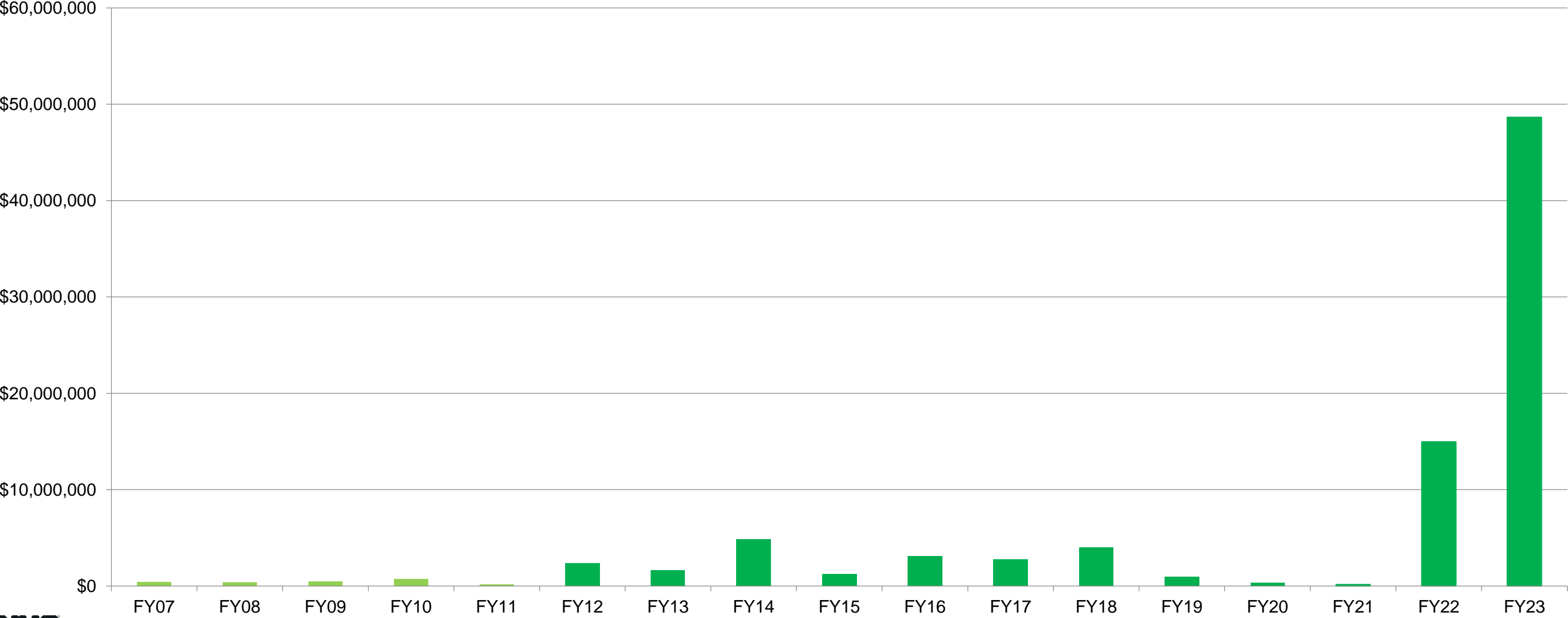
Investment in DOC Equipment



Investment in DEP Equipment



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



Approved Fleet Acquisitions

- Since the beginning of FY23, NYC Fleet and OMB, together known as the Committee for Fleet Management or CFM, have approved 39 capital project requests (CPs) in the total amount of **\$599 million**. On the expense side, DCAS approved **\$91 million** in approved expense orders in FY23.
- **In total, there were \$690 million in fleet unit approvals in FY23.**
- The following represents a breakdown of the approved CPs by agency, quantity, and total amount (\$ in 000's):

Agency	Quantity	Amount
DCAS	1	\$7,485
DEP	1	\$11,428
DOC	2	\$3,911
DPR	1	\$365
DSNY	10	\$364,297
FDNY	17	\$203,083
NYPD	7	\$8,608
Total	39	\$599,176

Fleet Purchase Orders

- NYC Fleet and Procurement processed and committed \$672 million in purchase orders in FY23 (\$581M Capital, \$91M Expense).

- *Capital: DSNY and FDNY account for 91% of all capital purchase costs*

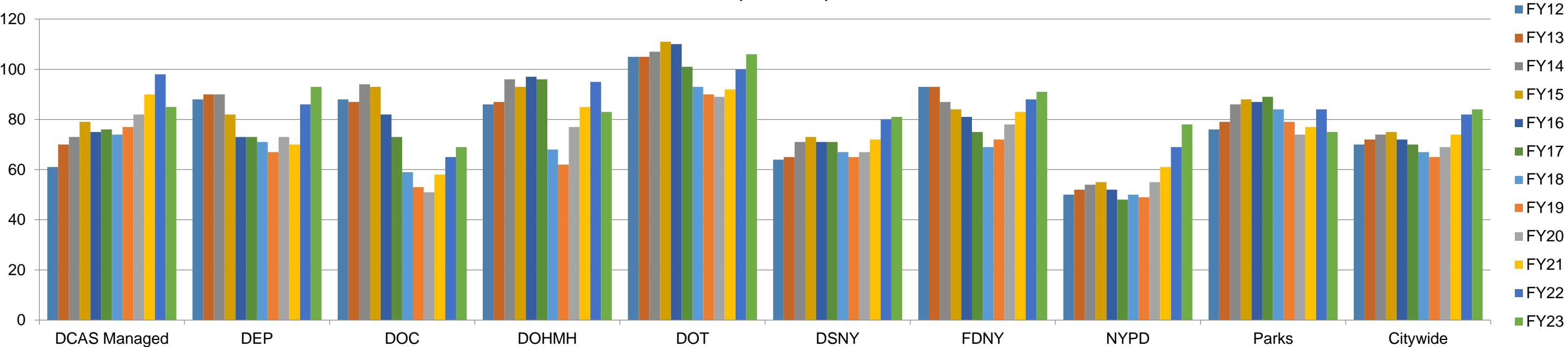
Agency	DSNY	DCAS	FDNY	NYPD	DEP	DOC	DPR	TOTAL
Number of Units	779	308	257	84	44	14	7	1,493
Cost	\$319,771	\$18,662	\$211,377	\$14,924	\$11,473	\$3,899	\$1,113	\$581,220

- *Expense: DCAS and NYPD account for 81% of all expense purchase costs*

Agency	DCAS	NYPD	DEP	DOT	DOB	HPD	DPR	DOC	DOF/Sheriff	OTHER	TOTAL
Number of Units	741	726	132	121	61	47	29	28	16	33	1,934
Cost	\$29,992	\$44,147	\$4,507	\$4,288	\$1,692	\$1,414	\$1,333	\$1,402	\$898	\$1,504	\$91,176

Fleet Age

Average Age of Fleet Overall
(in months)



Agency	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23
DCAS Managed	61	70	73	79	75	76	74	77	82	90	98	85
DEP	88	90	90	82	73	73	71	67	73	70	86	93
DOC	88	87	94	93	82	73	59	53	51	58	65	69
DOHMH	86	87	96	93	97	96	68	62	77	85	95	83
DOT	105	105	107	111	110	101	93	90	89	92	100	106
DSNY	64	65	71	73	71	71	67	65	67	72	80	81
FDNY	93	93	87	84	81	75	69	72	78	83	88	91
NYPD	50	52	54	55	52	48	50	49	55	61	69	78
Parks	76	79	86	88	87	89	84	79	74	77	84	75
Citywide	70	72	74	75	72	70	67	65	69	74	82	84

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