

Fleet



Fleet Acquisitions Plan FY19 Citywide

NYC Fleet

October 28, 2019

Fleet Acquisitions FY19

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 resiliency

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.”

FY19 Fleet Acquisition Program Overview

DCAS Procurement and Fleet implemented \$249 million in committed purchase orders in FY19 through its fleet acquisitions program.

Highlights include:

- Major investment in FY19 of \$30 million and 841 units of alternative fuel vehicles including electric vehicles, hybrids, and solar powered units
- Major investment in DOC equipment
- Major investment in DOT equipment
- Continuation of an initiative to reduce renting costs citywide especially at DOT.

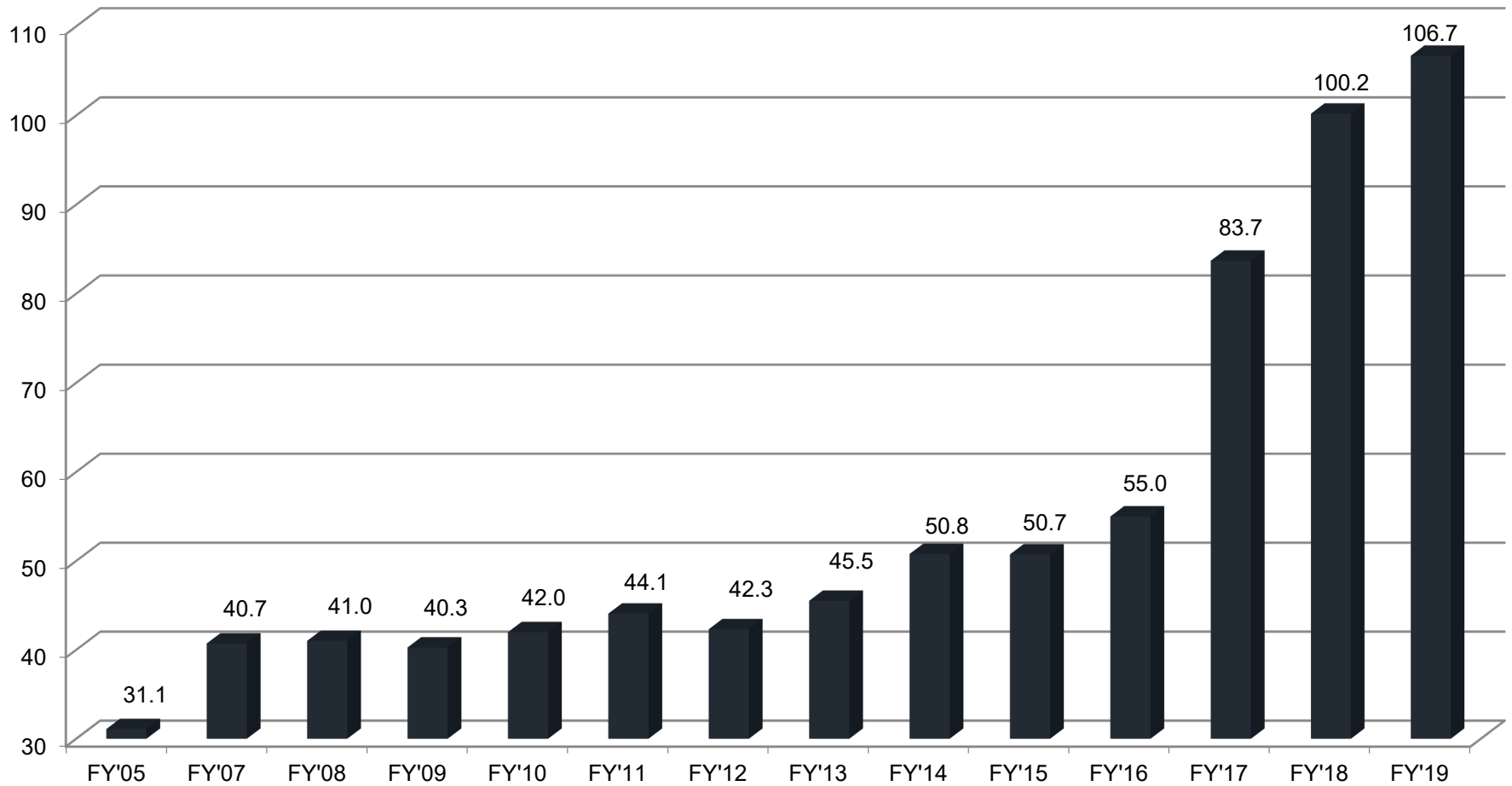
Highlights of the FY19 Plan Commitments

- 433 Ford Police Utility Interceptors, \$22.1 million
- 292 Toyota Prius Primes, \$7.4 million
- 208 Ford Police Responder Hybrids, \$7.5 million
- 164 Ford Police Sedan Interceptors, \$7.1 million
- 158 Passenger Vans, \$7.3 million
- 119 Pickup Trucks, \$5.7 million
- 80 Ambulances w/ idle reduction technology, \$21.4 million
- 62 Chevrolet Bolts, \$2.4 million
- 59 Street Sweepers including 7 hybrids, \$16.3 million
- 55 Cargo Vans, \$2.4 million
- 37 Electric Forklifts, \$1.8 million
- 33 Chrysler Pacifica Hybrids Plug in Electric Mini-Vans, \$1.6 million
- 18 Mitsubishi Outlander PHEVs, \$0.7 million
- 11 Correction Buses, \$2.0 million
- 10 DSNY Brining Trucks for Storm Emergencies, \$5.0 million

FY19 Alternative Fuel Vehicle Purchases

- 292 Toyota Prius Primes, \$7.4 million
- 208 Ford Police Responder Hybrids, \$7.5 million
- 131 Toyota RAV4 Hybrids, \$3.9 million
- 62 Chevrolet Bolts, \$2.4 million
- 37 Electric Forklifts, \$1.8 million
- 33 Chrysler Pacifica Hybrids, \$1.6 million
- 18 Mitsubishi Outlander PHEVs, \$0.7 million
- 14 Ford Fusion Energis, \$0.4 million
- 10 Electric Off-Road Utility Vehicles, \$0.1 million
- 8 Toyota Highlander Hybrids, \$0.5 million
- 7 Diesel Hybrid Street Sweepers, \$2.8 million
- 5 Solar Light Towers, \$0.2 million
- 4 Diesel/Hybrid Collection Trucks, \$0.5 million
- 4 Toyota Camry Hybrids, \$0.2 million
- 4 Solar Message Boards, \$0.05 million
- **841 units total**

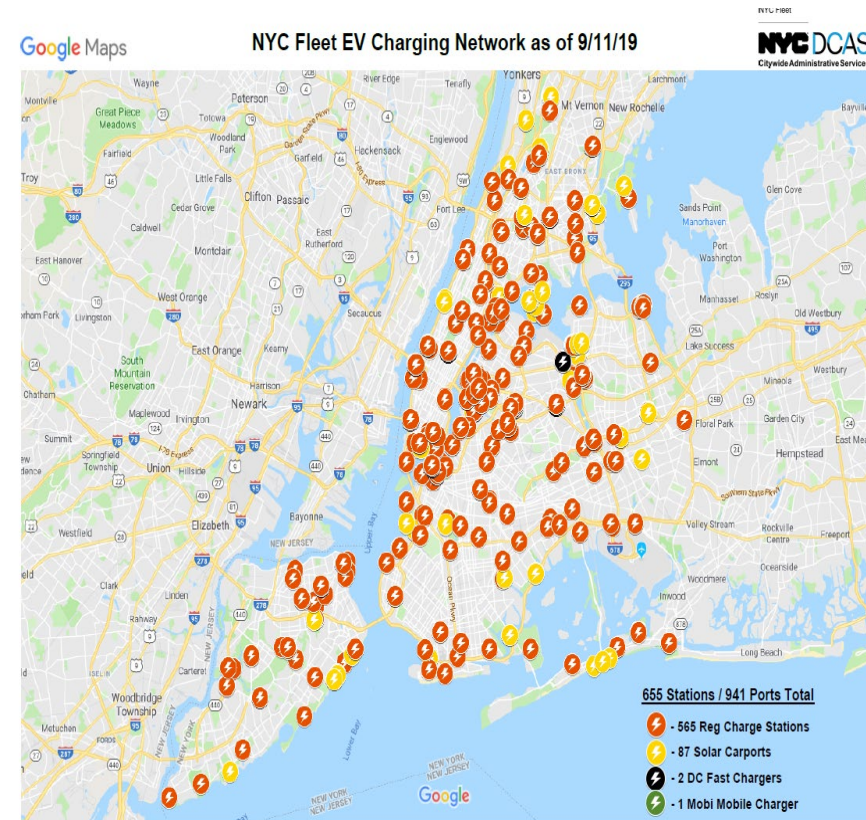
Fuel Economy by Fiscal Year



Electrification of Fleet Continues

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

- In FY19, Fleet procured 419 on-road electric vehicles including our first plug in SUVs. The City now operates 2,113 total on-road plug in units, surpassing our original plan of 2,000 by 2025.
- Fleet also procured 56 off-road electric and/or solar units. The City operates 773 off-road electric and/or solar units.
- Fleet completed 116 new EV charging stations in FY19 including the rollout of 50 additional solar carports. As of Sept. 2019, we now operate 655 total chargers, with capital plans in FY20 for 100 Fast Chargers.



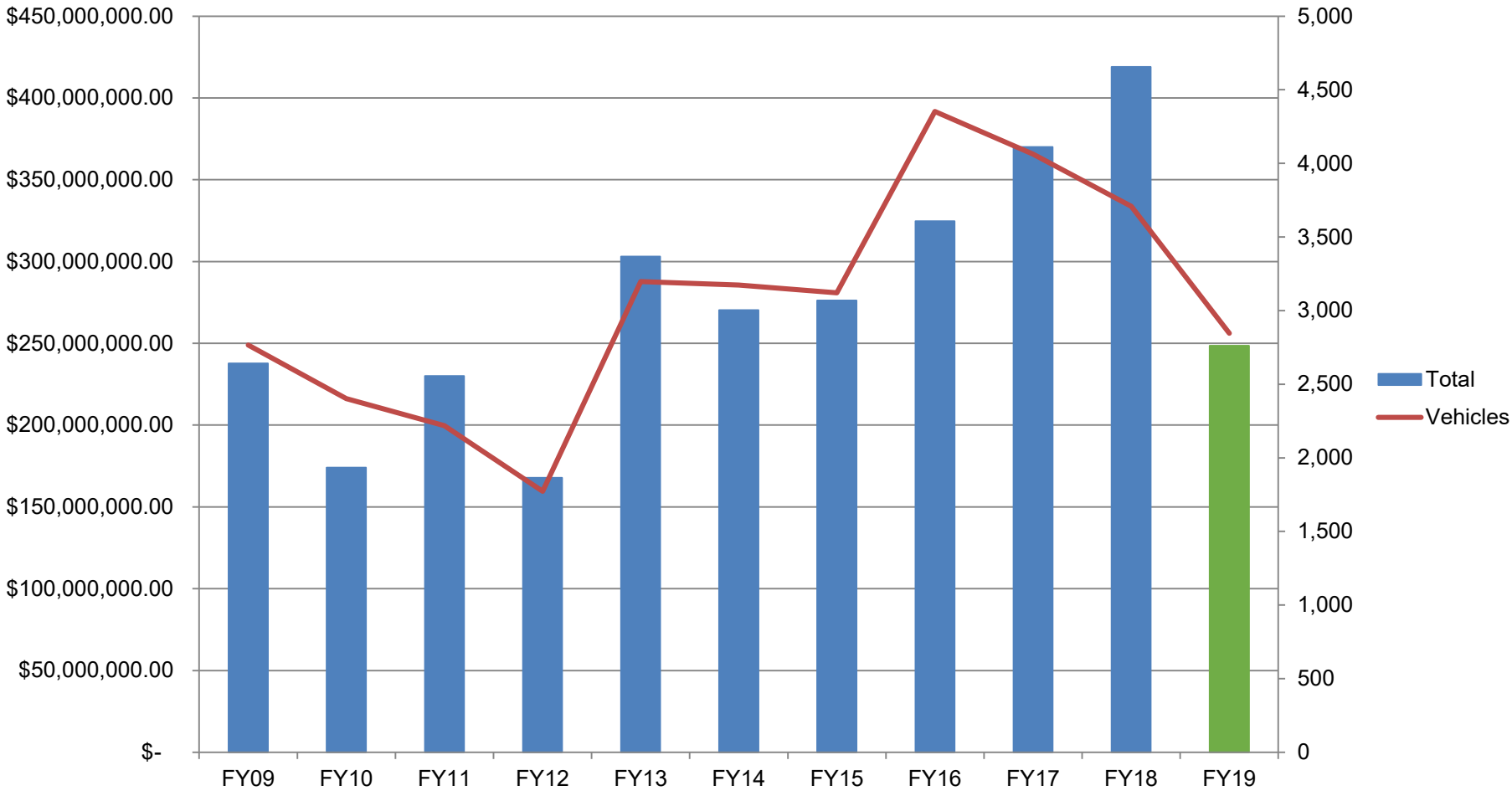
EO Fleet Reduction, Year 1

We have begun implementation of Mayoral EO 41 of 2019 calling for fleet reduction of at least 1,000 units by June 30, 2021. Initial reductions by agency and type are below.

Agency	No. of Vehicles
ACS	2
DCA	1
DCAS	4
DDC	4
DEP	35
DHMH	27
DHS	3
DOB	16
DOC	34
DOI	4
DOITT	1
DOP	2
DOT	81
DPAR	39
DSNY	73
FDNY	77
HPD	6
HRA	6
NYPD	383
TLC	11
Total	809

Executive Order Fleet Reduction Vehicles, FY20	
Standard Type	Fleet Reduction
AMBULANCE	2
BOX TRUCK	1
DUMP TRUCK, 15+ YD	15
DUMP TRUCK, UNDER 5 YD	2
FUEL TRAILER	3
GRAFFITI TRUCK	2
LANDFILL CRAWLER	3
LANDFILL FRONT END LOADER	1
LANDFILL OFF ROAD DUMP	1
MOBILE RESP VEHICLE	2
PICKUP	13
RACK TRUCK	3
SEDAN	557
STREET FLUSHER	3
SUV	105
SWEeper	1
TIRE TRUCK	1
TOW TRUCK, WRECKER	4
TRACTOR	2
TRACTOR TRAILER TRUCK	10
TRUCK, MISC	3
TRUCK, OTHER	1
UTILITY TRUCK	1
VAN, PASSENGER	32
VAN, STEP	8
VAN, UTILITY	29
VAN, WHEELCHAIR ACCESSIBLE	1
WATER TRUCK	3
Grand Total	809

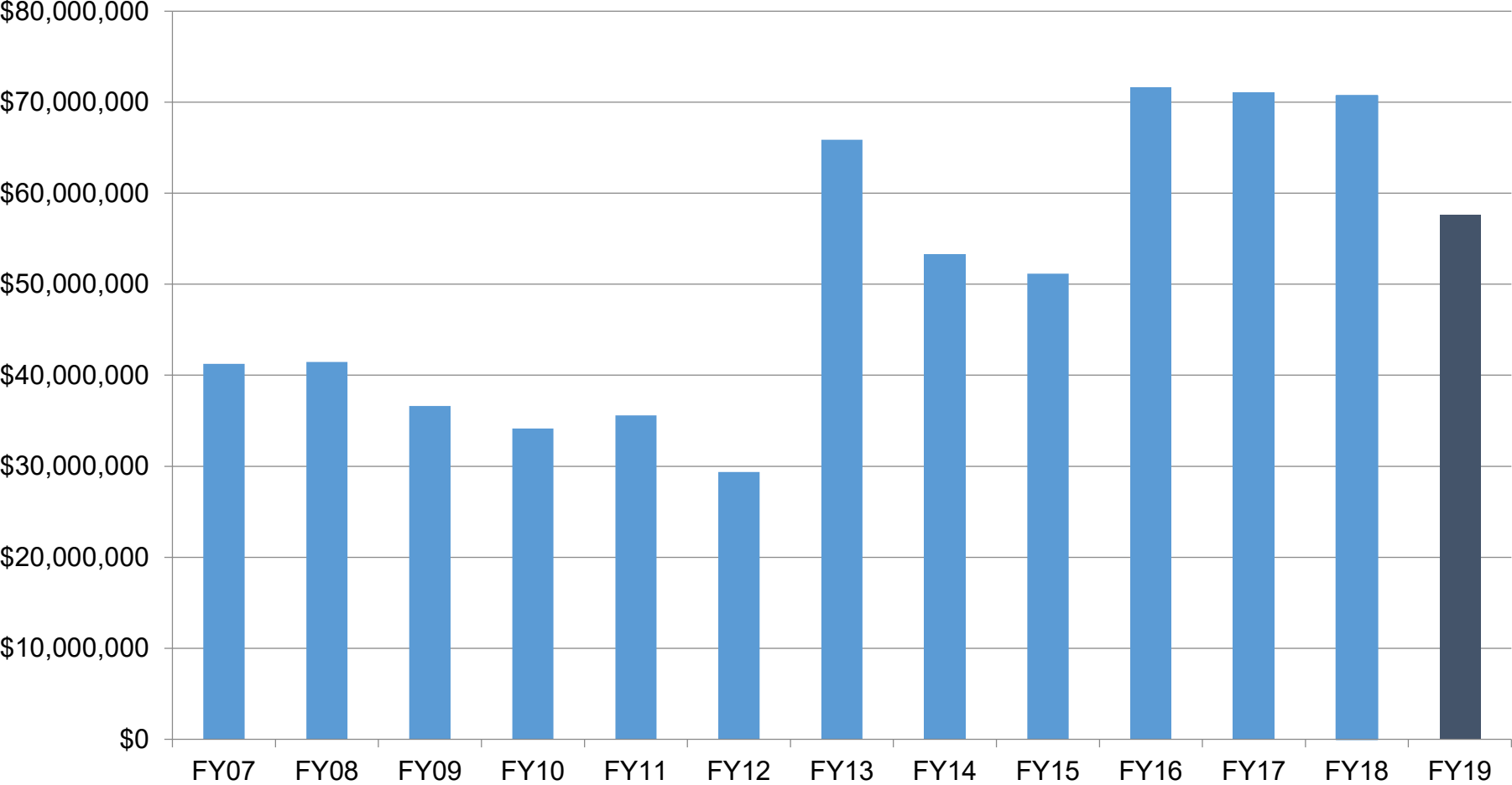
Investment in Vehicles Overall, Capital and Expense



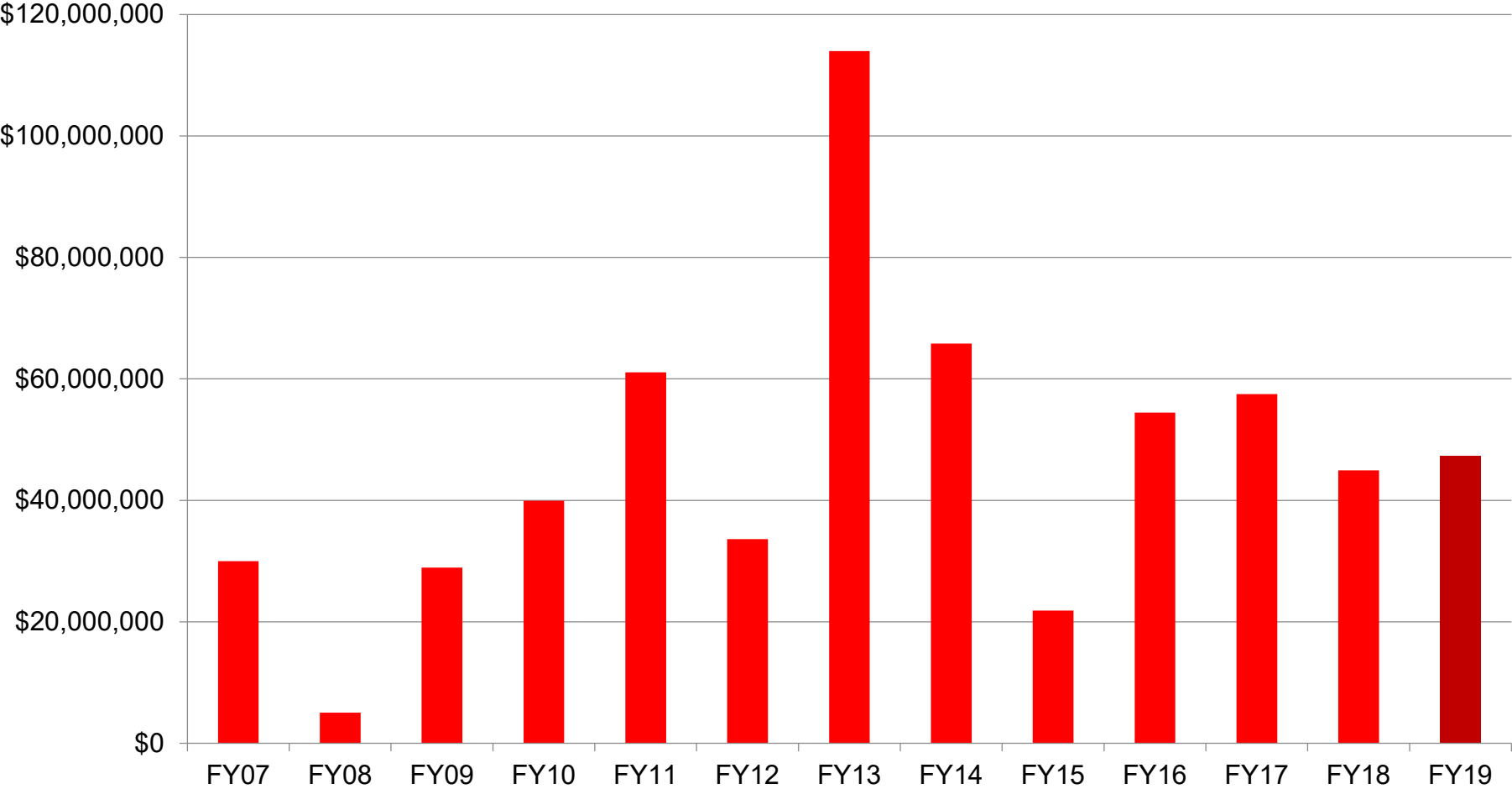
Highlights of the FY14-FY19 Plans

- 2,277 Hybrid Sedans, \$67.1M
- 2,152 Police Sedans (non-hybrid), \$73.6M
- 1,299 Collection Trucks, \$373.4M
- 1,075 Plug-in Hybrid Sedans, \$30.1M
- 617 Ambulances, \$153.0M
- 521 Electric Sedans, \$17.3M

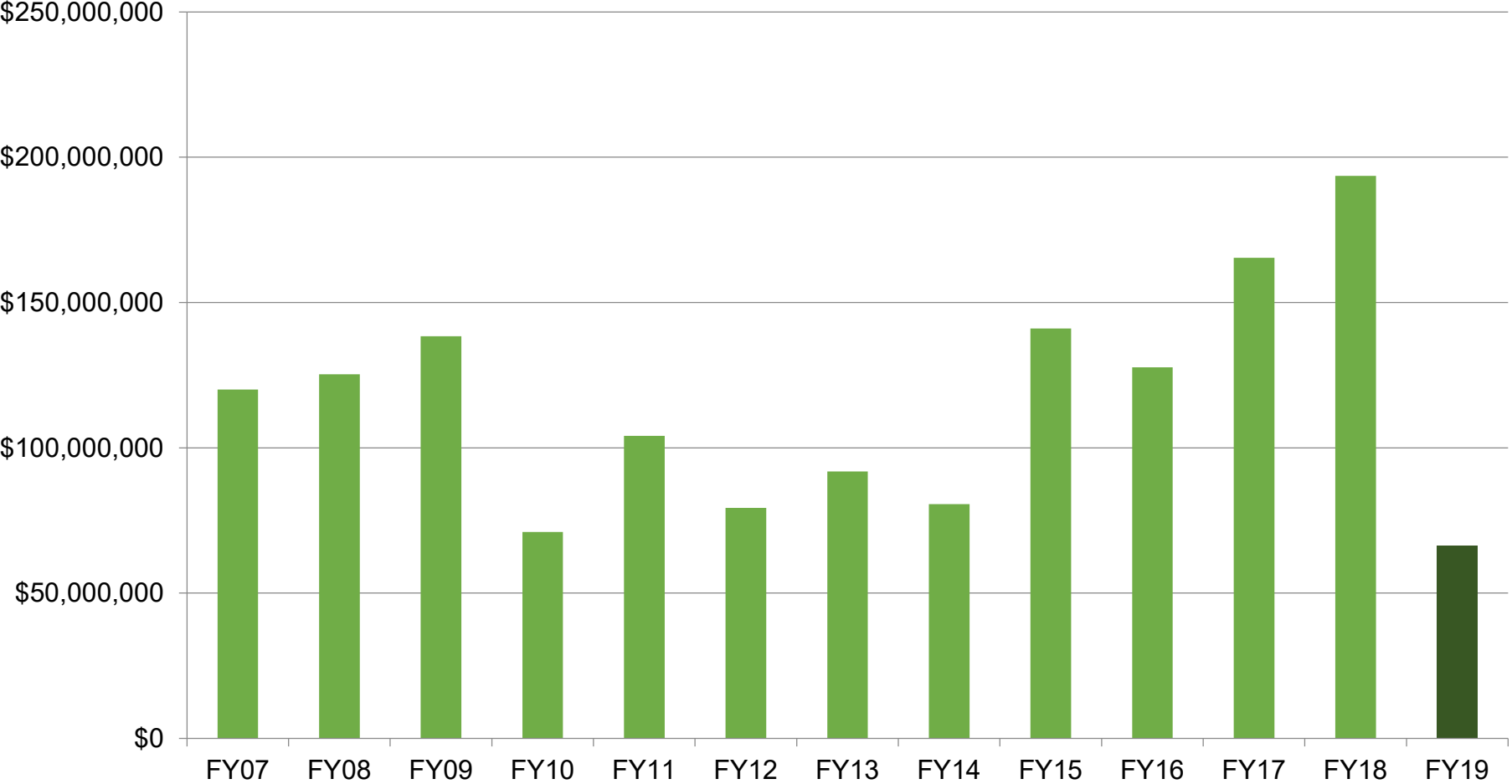
Investment in NYPD Equipment



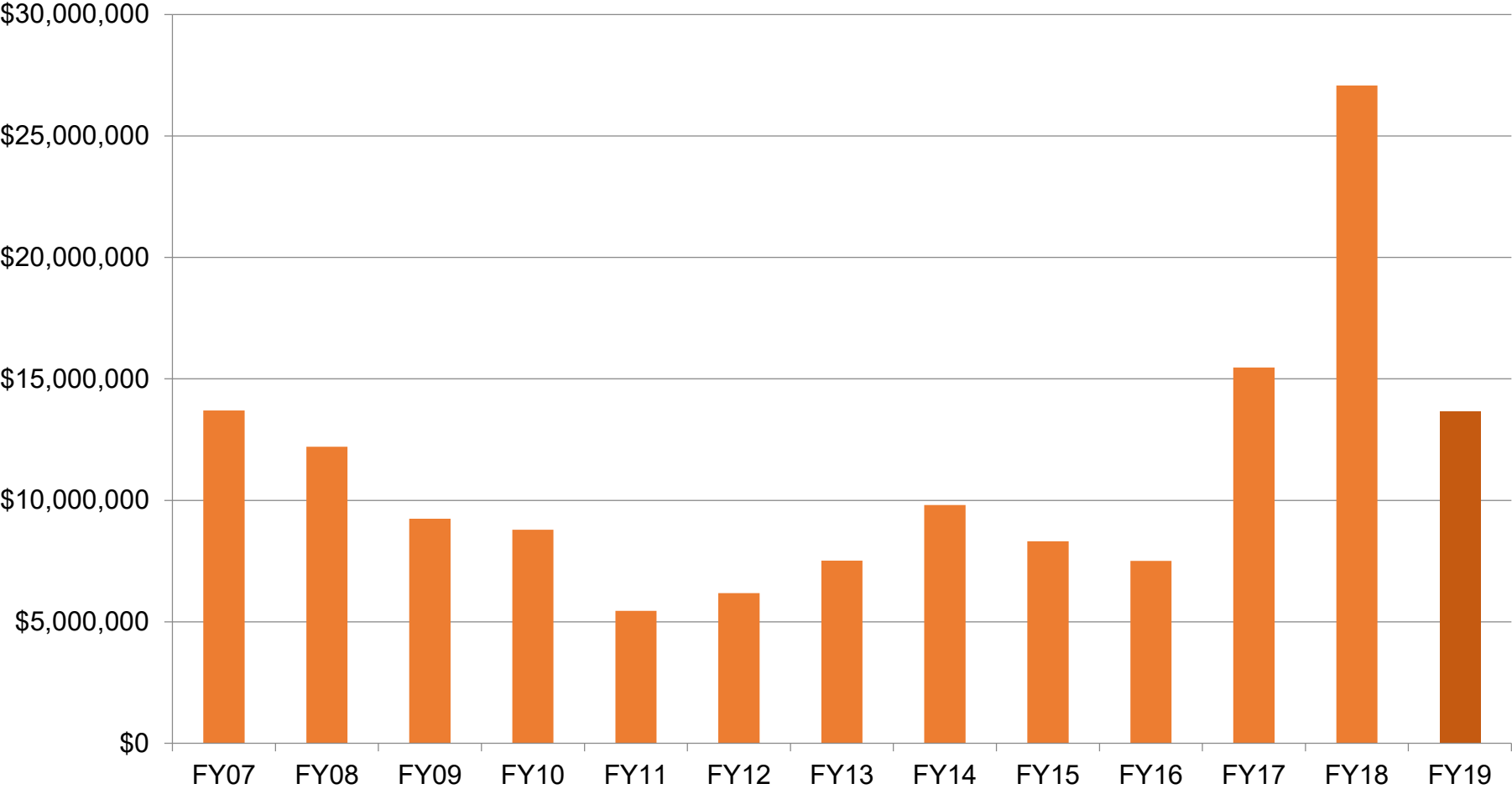
Investment in Fire Equipment



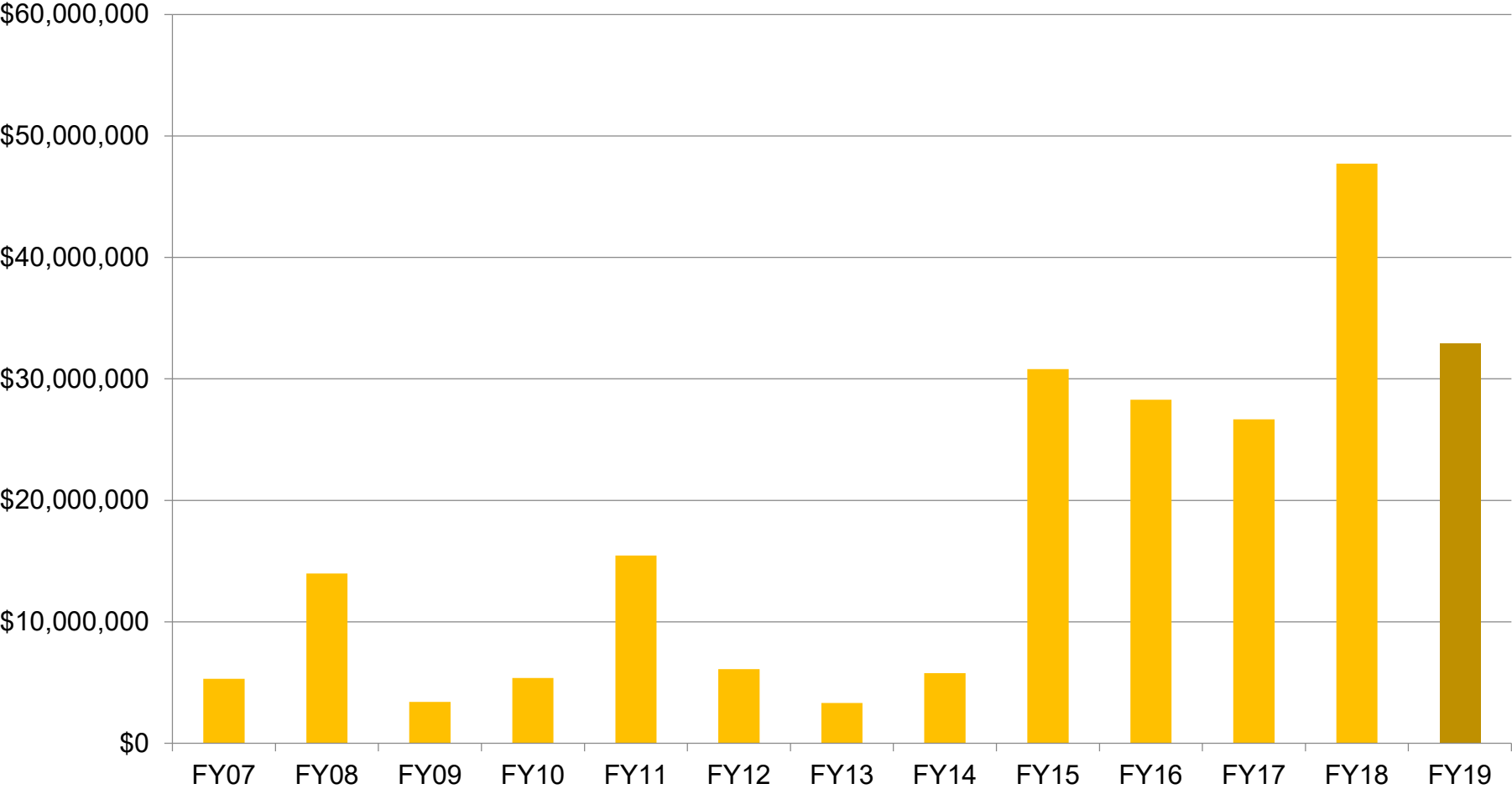
Investment in DSNY Equipment



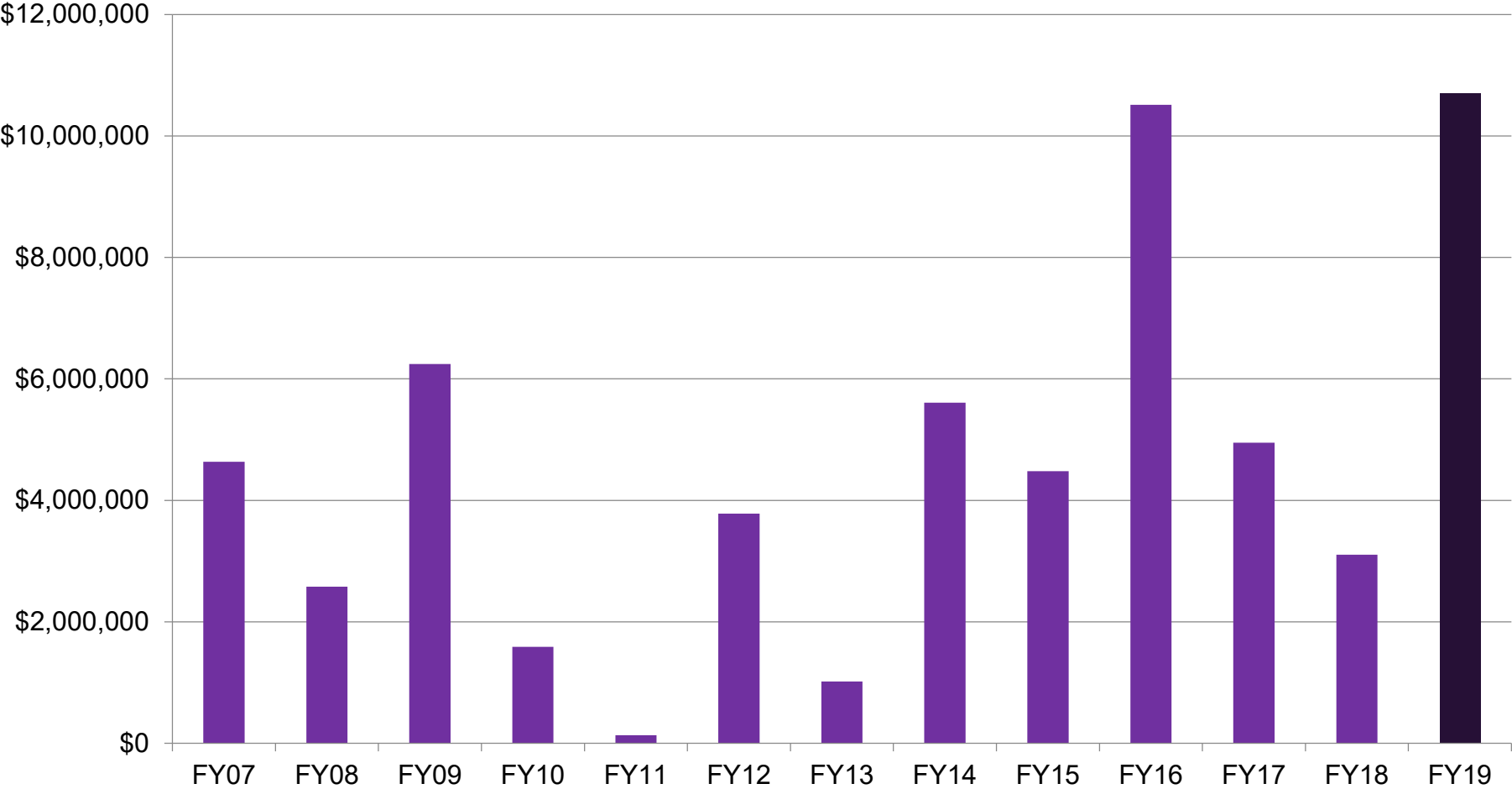
Investment in Parks Equipment



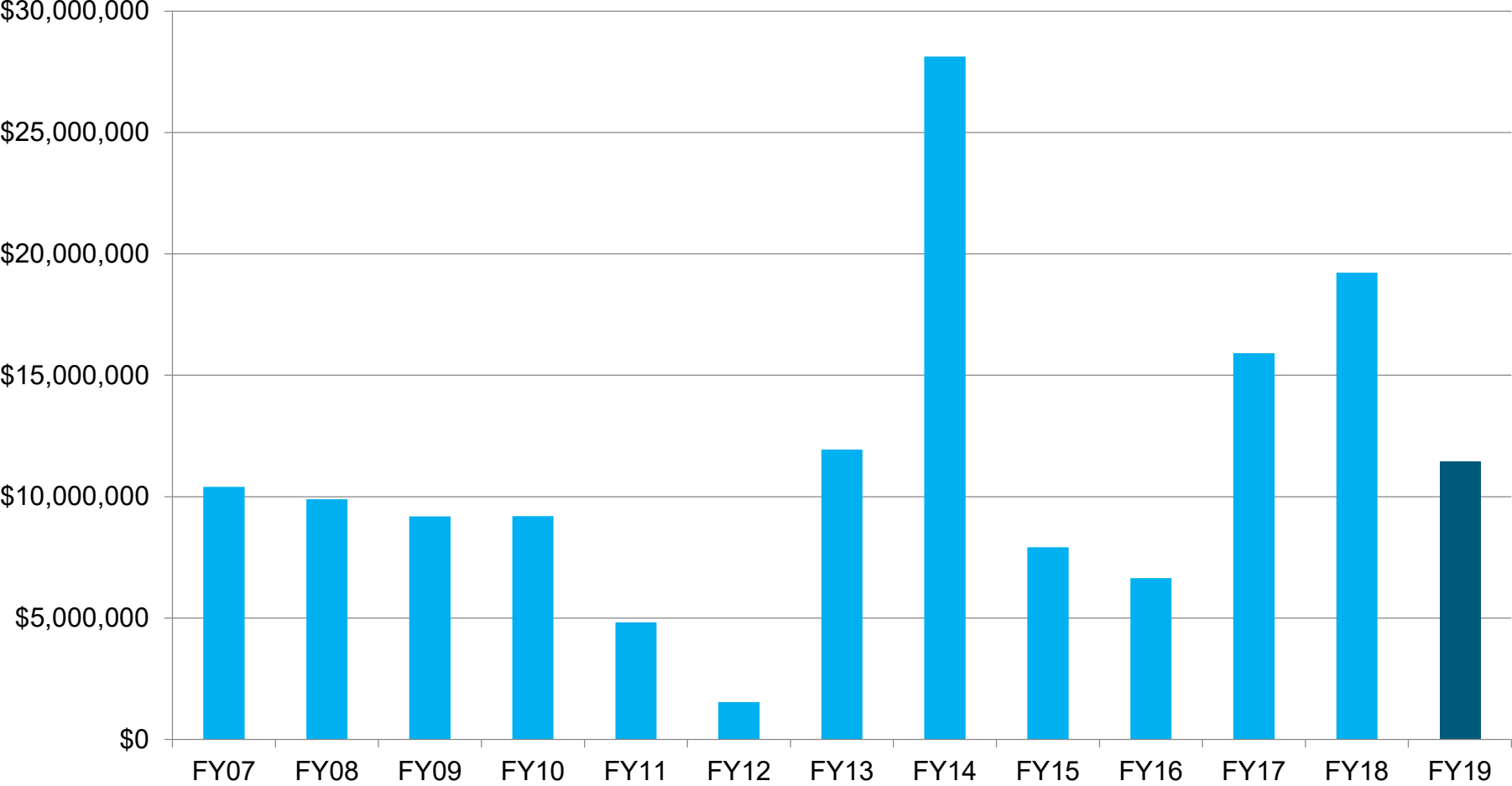
Investment in DOT Equipment



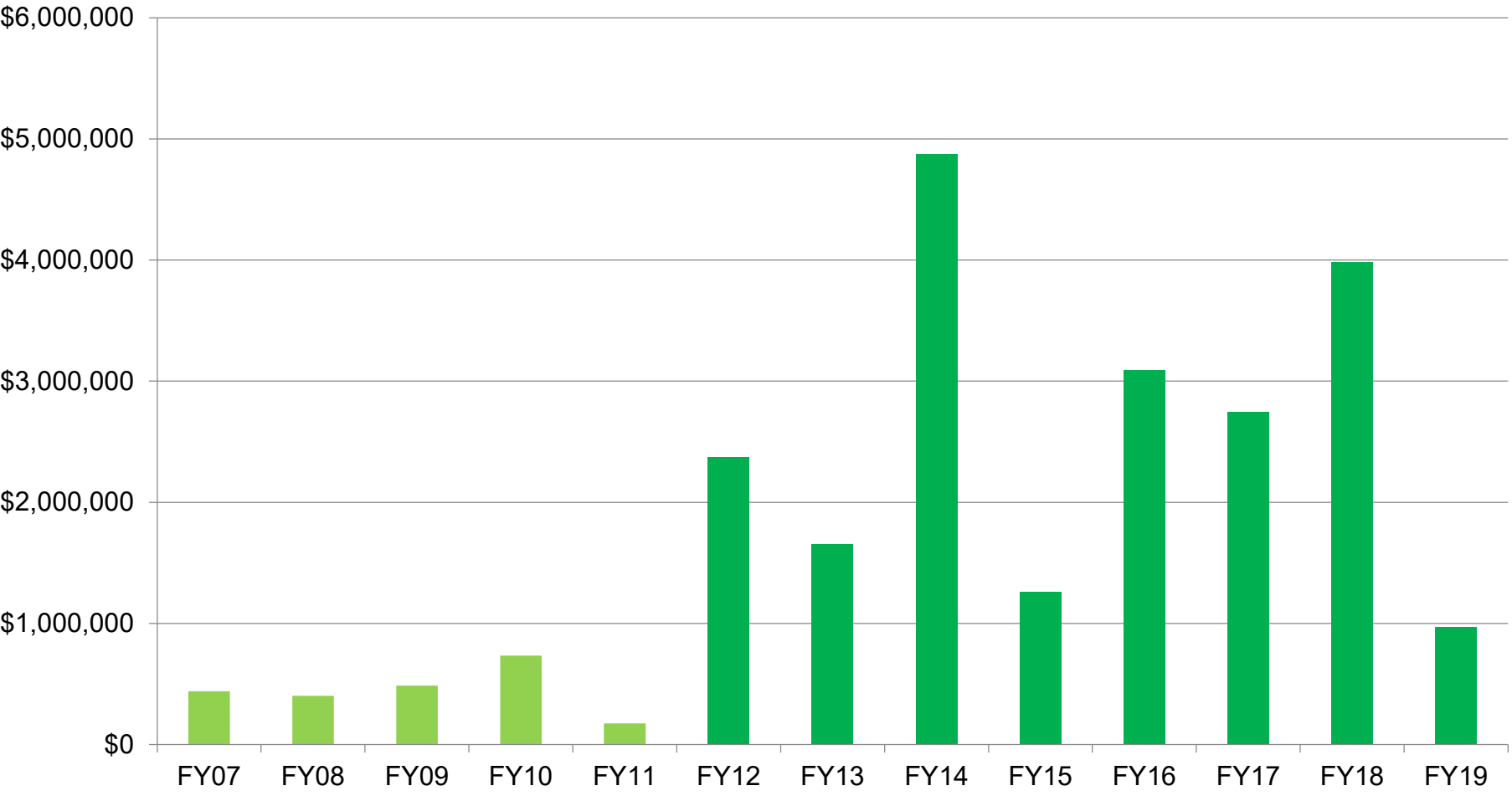
Investment in DOC Equipment



Investment in DEP Equipment



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



Emergency Fleet and Fuel Operations: Resilience Investments

- The City made fleet investments to improve resiliency post-Sandy. DCAS worked with Fire in FY13 to bring in high water rescue trucks. DCAS was funded for a major equipment investment of over 330 units in FY14. All equipment has been delivered.

Equipment Type	No. Ordered	Total Cost	No. Delivered	Total Equipment
Generator	47	\$4,146,404	47	47
Fuel Truck	35	\$9,959,390	35	35
Forklift*	57	\$3,058,171	57	57
Light Tower	183	\$2,001,275	183	183
Water Pump	1	\$72,356	1	1
Total	323	\$19,237,596	323	323

*Includes one pallet jack for DOE and one boat lift for Parks. Does not include 6 forklifts purchased by NYPD.

Approved Fleet Acquisitions

- Since the beginning of FY19, NYC Fleet and OMB, together known as the Committee for Fleet Management or CFM, have approved 54 capital project requests (CPs) in the total amount of **\$191 million**. On the expense side, DCAS approved **\$73 million** in approved expense orders in FY19.
- **In total, there were \$264 million in fleet unit approvals in FY19.**
- The following represents a breakdown of the approved CPs by agency, quantity, and total amount (\$ in 000's):

Agency	Quantity	Amount
DSNY	5	\$69,490
DOT	1	\$807
DPAR	3	\$23,612
FDNY	18	\$85,138
NYPD	24	\$11,382
DCAS	3	\$834
Total	54	\$191,263

Fleet Purchase Orders

- NYC Fleet and Procurement processed and committed \$249 million in purchase orders in FY19 (\$176M Capital, \$73M Expense). This constitutes about a 7% replacement of total fleet units.

- Capital: DSNY and FDNY account for 62% of all capital purchase costs*

Agency	DSNY	FDNY	DOT	DPR	NYPD	DEP	DOC	OCME	TOTAL
Number of Units	252	169	160	141	141	82	73	1	1,019
Cost	\$63,766	\$45,755	\$27,898	\$11,362	\$10,341	\$8,368	\$8,309	\$105	\$175,904

- Expense: PD accounts for 65% of the plan and 25 other agencies the rest*

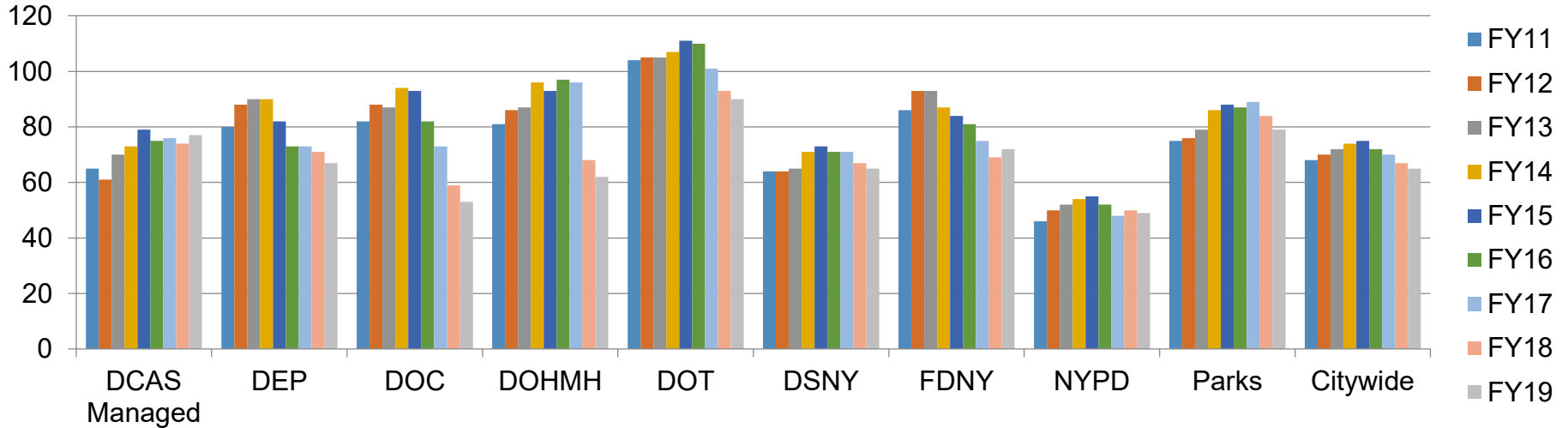
Agency	NYPD	DOT	DOB	DSNY	DEP	DPR	DOC	HPD	DCAS	OTHER	TOTAL
Number of Units	1,056	149	108	103	94	76	68	31	19	124	1,828
Cost	\$47,341	\$5,035	\$2,726	\$2,658	\$3,096	\$2,305	\$2,398	\$782	\$606	\$5,687	\$72,633

DOT Rental Replacements

- Phase 1 CP (approved 4/30/14): 106 vehicles, \$21 million
 - FY14 Commitments: 10 vehicles, \$1.2 million
 - FY15 Commitments: 30 vehicles, \$8.9 million
 - FY16 Commitments: 30 vehicles, \$6.0 million
 - FY17 Commitments: 10 vehicles, \$1.1 million
 - FY18 Commitments: 16 vehicles, \$5.5 million
- Phase 2 CP (approved 5/8/18): 123 vehicles, \$26 million
 - FY18 Commitments: 66 vehicles, \$11.7 million
 - FY19 Commitments: 58 vehicles, \$10.1 million

Fleet Age

**Average Age of Fleet Overall
(in months)**



Agency	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19
DCAS Managed	65	61	70	73	79	75	76	74	77
DEP	80	88	90	90	82	73	73	71	67
DOC	82	88	87	94	93	82	73	59	53
DOHMH	81	86	87	96	93	97	96	68	62
DOT	104	105	105	107	111	110	101	93	90
DSNY	64	64	65	71	73	71	71	67	65
FDNY	86	93	93	87	84	81	75	69	72
NYPD	46	50	52	54	55	52	48	50	49
Parks	75	76	79	86	88	87	89	84	79
Citywide	68	70	72	74	75	72	70	67	65

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

DCAS

THANK YOU