

Fleet



# **Fleet Acquisitions Plan FY18 Citywide**

## **NYC Fleet**

**Updated Feb. 20, 2019**

# Fleet Acquisitions FY18

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**Mayoral Executive Order 161** outlines a comprehensive initiative to share and improve services for NYC's 31,000 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

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- 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.”

# Fleet's Largest Acquisition Program Ever

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With the help of OMB, DCAS Procurement and Fleet implemented the City's largest single year fleet acquisitions program with \$419 million in committed purchase orders processed in FY18.

Highlights include:

- Major investment in FY18 of \$36 million and 1,006 units of alternative fuel vehicles including electric vehicles, hybrids, CNG, and solar powered units
- Major investment in Parks equipment
- Major investment in DOT equipment
- Major investment in DSNY collection trucks
- A large plug in EV investment citywide through DCAS
- Continuation of an initiative to reduce renting costs citywide especially at DOT.

# Fleet Supports Expanded City Services, New Programs

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The City operational fleet has grown by 3,859 units from FY14 to FY19 PMMR. Fleet has increased equipment assets in policing, emergency response services, buildings inspection, health and children's services, and street repair, while decreasing light duty non-emergency cars.

Highlights include:

- 1,333 additional NYPD units including: 90 units in FY17 for school crossing guard supervisors, 800+ units for the Neighborhood Policing program
- 302 additional FDNY units including: 85 ambulances between FY16 and FY18 to support additional tours, 13 units for Fire Prevention in FY17 which resulted in a 9% increase in inspections, and 16 units in FY17 for the counterterrorism taskforce.
- 1,712 off-road support equipment pieces including: a DCAS-led expansion of emergency equipment such light towers, forklifts, fuel trucks, generators, sign boards, and water pumps following Hurricane Sandy, 391 DOT units to improve street maintenance, 78 Parks units to including forestry, and 61 off-road units to support DSNY snow removal operations for tight narrow streets.
- 80 additional haulster snow removal units for DSNY after the Jonas storm report to improve snow management for tight road areas.
- 72 additional units to support DHMH initiatives including 16 units for the Nurse Family Partnership Program in FY17 which has doubled the number of nurse home visits, 10 units for the Rat Reservoir Eradication Program which resulted in an 49% increase in pest control inspections; 11 units for the Zika Emergency Management Program in FY17 for citywide larviciding application and conducting inspections during the active mosquito season of April through October, and 26 units in FY17 for a new unit to respond to the threat of Legionnaire's disease.
- 73 additional units to support DOB inspections which has led to a 27% increase or 40,000 additional inspections between FY16 and FY18.
- Through FY18, reduction of 160 light duty non-emergency vehicles as part of savings and fleet sharing initiatives and in compliance with Local Law 41 of 2015. These reductions will continue with 105 units in FY19.

# Fleet Increases in MMR

Eighty Eight (88%) percent of on-road fleet increases were for emergency services from FY14 to FY19 PMMR. The remainder were related to Vision Zero, Green Infrastructure, and increased inspections.

NYC Fleet: Increases in City Fleet Units (MMR)  
FY14 to FY19 MMR

<b>Total Increase in Fleet Units</b>	<b>3,859</b>	<b>14%</b>
<i>Increase in Off-Road</i>	<i>1,800</i>	<i>47%</i>
<i>Increase in On-Road</i>	<i>2,059</i>	<i>53%</i>
NYPD	1,410	68%
FDNY	273	13%
DOC	128	6%
DOT Vision Zero Related Investments	159	8%
DEP Green Infrastructure	169	8%
DCAS Client Agency Inspector Roles	222	11%
DOE	-21	-1%
DOHMH	59	3%
DPR (Off-Road Increases Related to Forestry, Storms)	-136	-7%
DSNY (Off-Road Increases Related to Plowing, Storms)	-204	-10%
<b>Total On-Road Increase</b>	<b>2,059</b>	<b>100%</b>

*Emergency Services Share of On-Road Increase*

**88%**

# Highlights of the FY18 Plan Commitments

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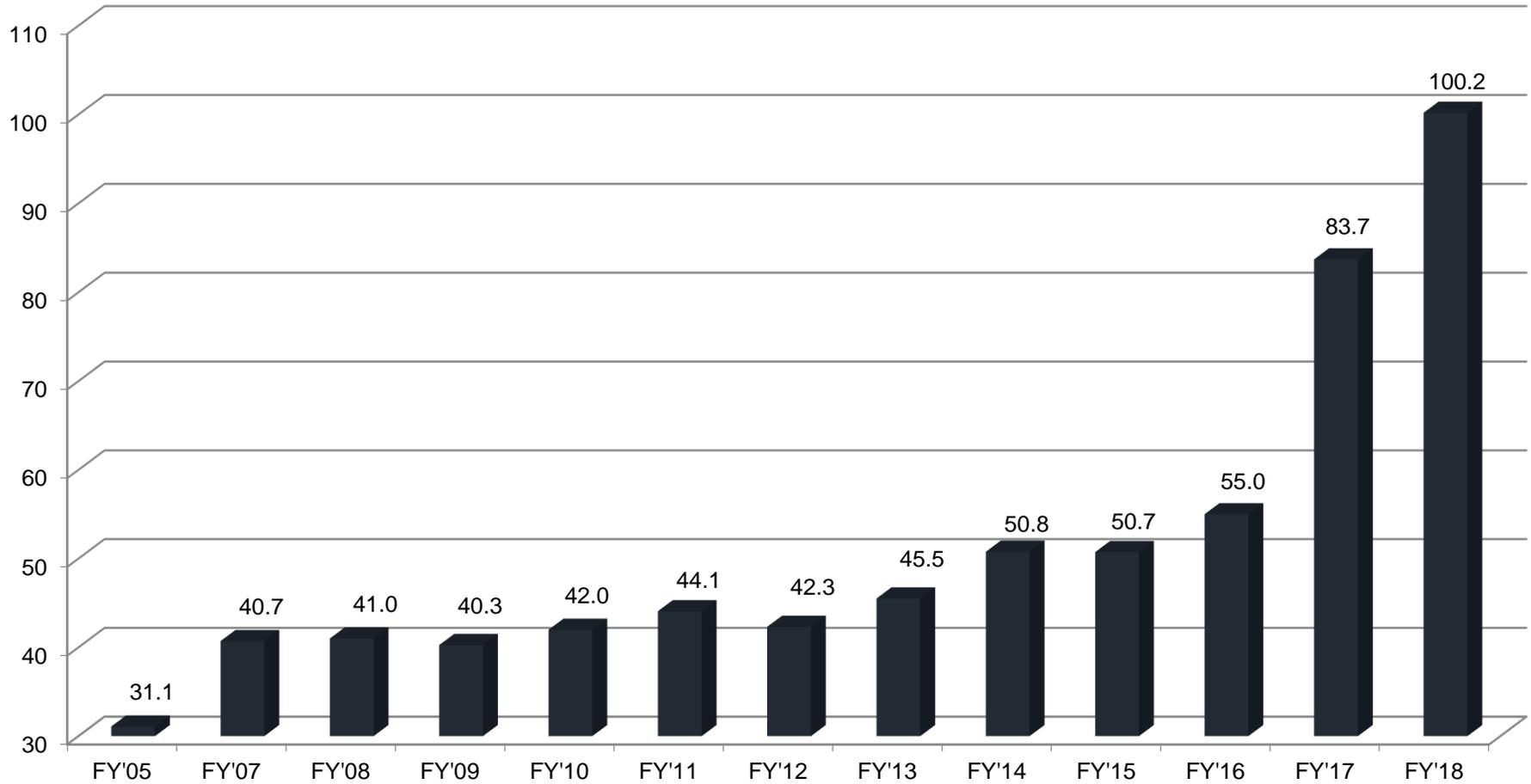
- 533 Ford Police Utility Interceptors, \$26.4 million
- 485 Collection Trucks, \$146.9 million
- 208 Toyota Prius Primes, \$5.2 million
- 184 Ford Police Sedan Interceptors, \$6.7 million
- 141 Chevrolet Bolts, \$5.5 million
- 103 Ford Fusion Energis, \$3.4 million
- 91 Ambulances w/ idle reduction technology, \$23.9 million
- 51 Solar Light Towers, \$1.6 million
- 35 Electric Off-Road Utility Vehicles, \$0.5 million
- 29 Electric Forklifts, \$1.5 million
- 25 Chevrolet Express Vans w/ XL Hybrid conversion, \$1.0 million
- 12 Solar Message and Arrow Boards, \$0.1 million
- 2 Chrysler Pacifica Plug-in Hybrids, \$0.1 million

# FY18 Alternative Fuel Vehicle Purchases

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- 208 Toyota Prius Primes, \$5.2 million
- 166 Toyota RAV4 Hybrids, \$5.1 million
- 141 Chevrolet Bolts, \$5.5 million
- 124 Ford Fusion Hybrids, \$3.9 million
- 103 Ford Fusion Energis, \$3.4 million
- 60 Toyota Camry Hybrids, \$2.2 million
- 51 Solar Light Towers, \$1.6 million
- 35 Electric Off-Road Utility Vehicles, \$0.5 million
- 30 Ford C-Max Hybrids, \$1.1 million
- 29 Electric Forklifts, \$1.5 million
- 25 Chevrolet Express Vans w/ XL Hybrid conversion, \$1.0 million
- 12 Solar Message and Arrow Boards, \$0.1 million
- 7 Diesel Hybrid Sweepers, \$2.8 million
- 7 Toyota Highlander Hybrids, \$0.3 million
- 6 CNG Collection Trucks, \$1.8 million
- 2 Chrysler Pacifica Plug-in Hybrids, \$0.1 million
- 1,006 units total

# Fuel Economy by Fiscal Year



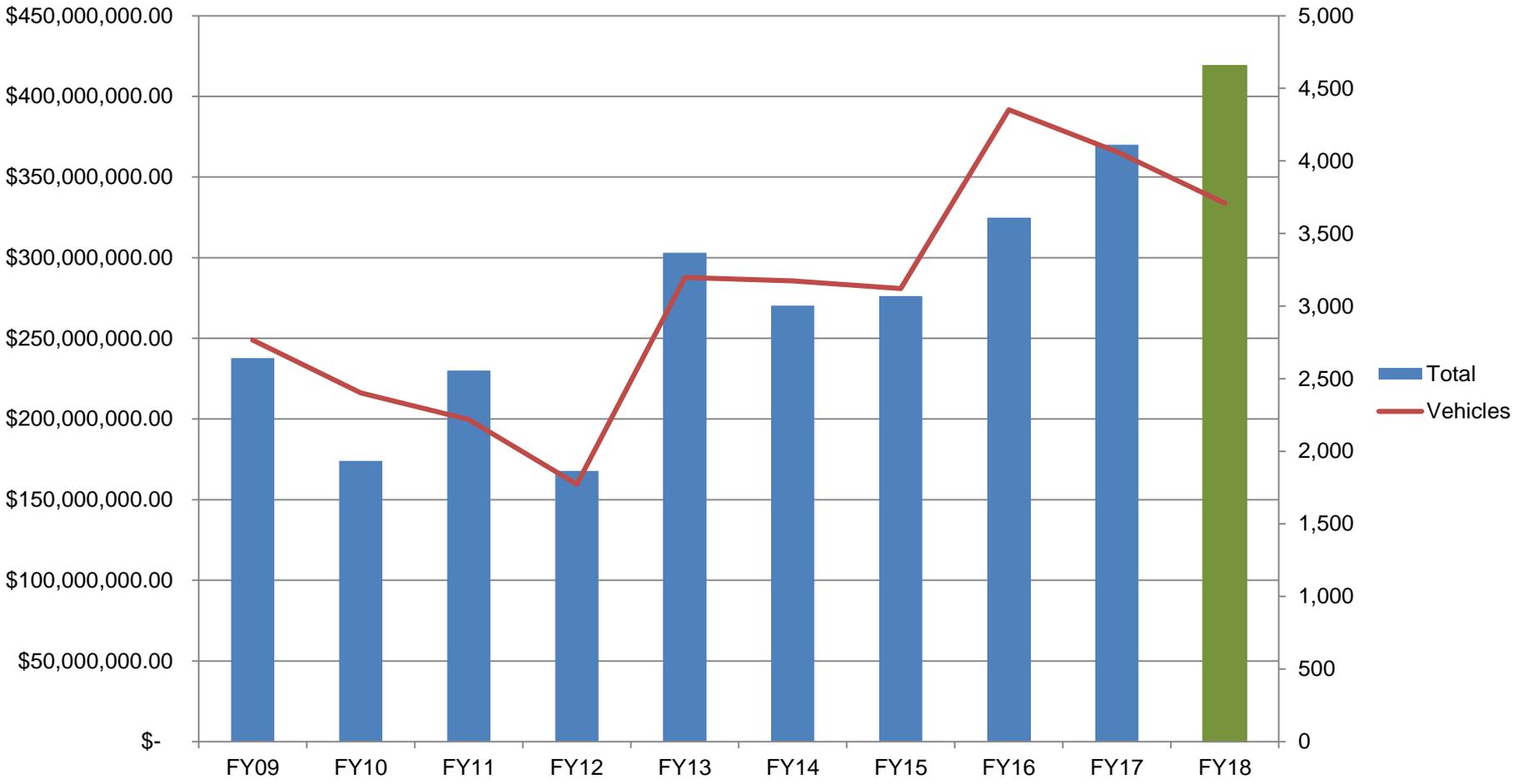
# Electrification of Fleet Continues

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

- In FY18, Fleet procured 454 on-road electric vehicles including our first plug in mini-vans. The City now operates 1,708 total on-road plug in units, well ahead of our original plan of 2,000 by 2025.
- Fleet also procured 127 off-road electric and/or solar units including our first 51 solar light towers which will replace diesel units. The City operates 743 off-road electric and/or solar units.
- Fleet completed 112 new EV charging stations in FY18 including the initial rollout of 37 solar carports and our first Fast Charger at Flushing Meadows Corona Park. We now operate 514 total chargers, with capital plans in FY19 for 100 Fast Chargers and 50 additional solar carports.



# Major investment in Vehicles Overall, Capital and Expense

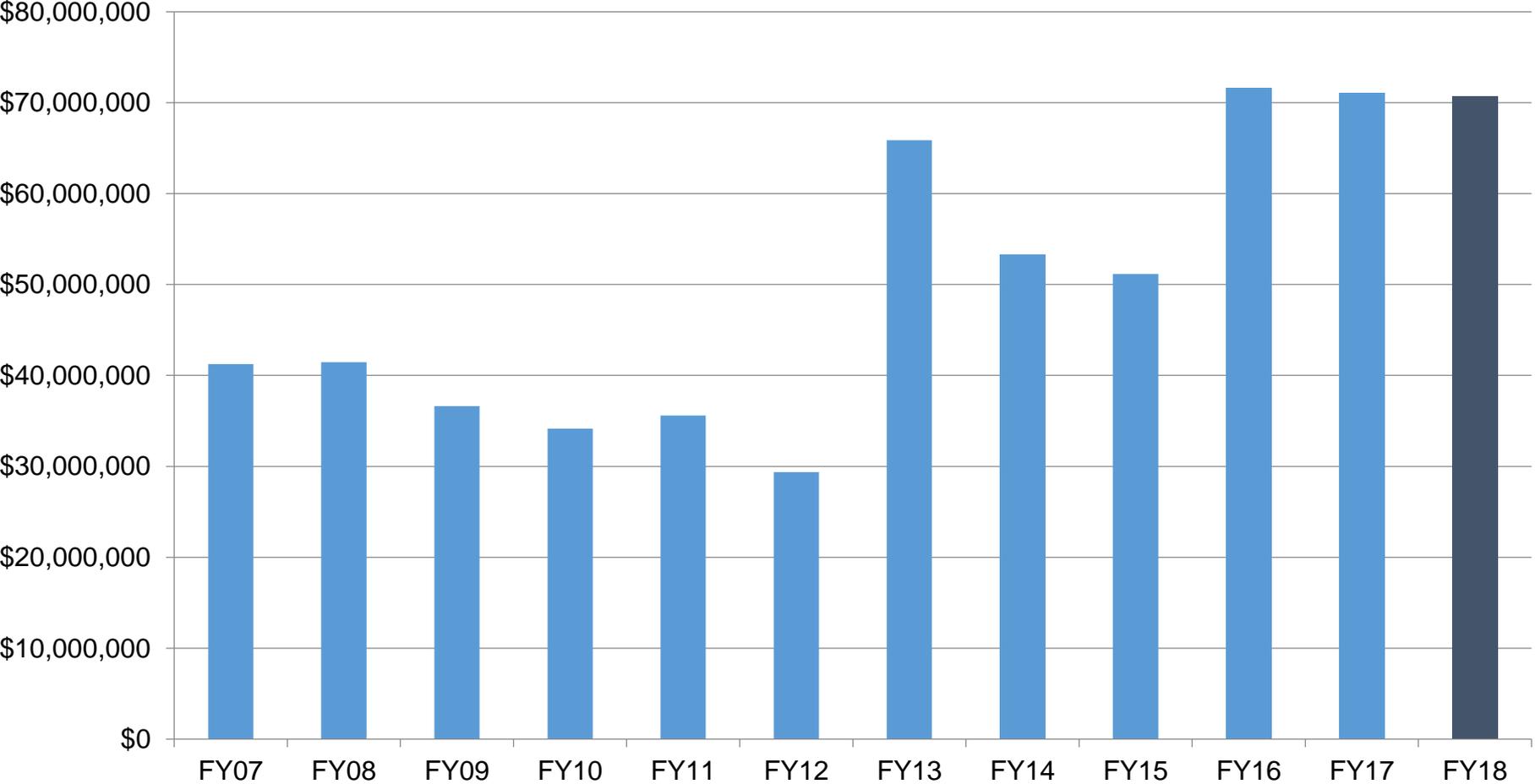


# Highlights of the FY14-FY18 Plans

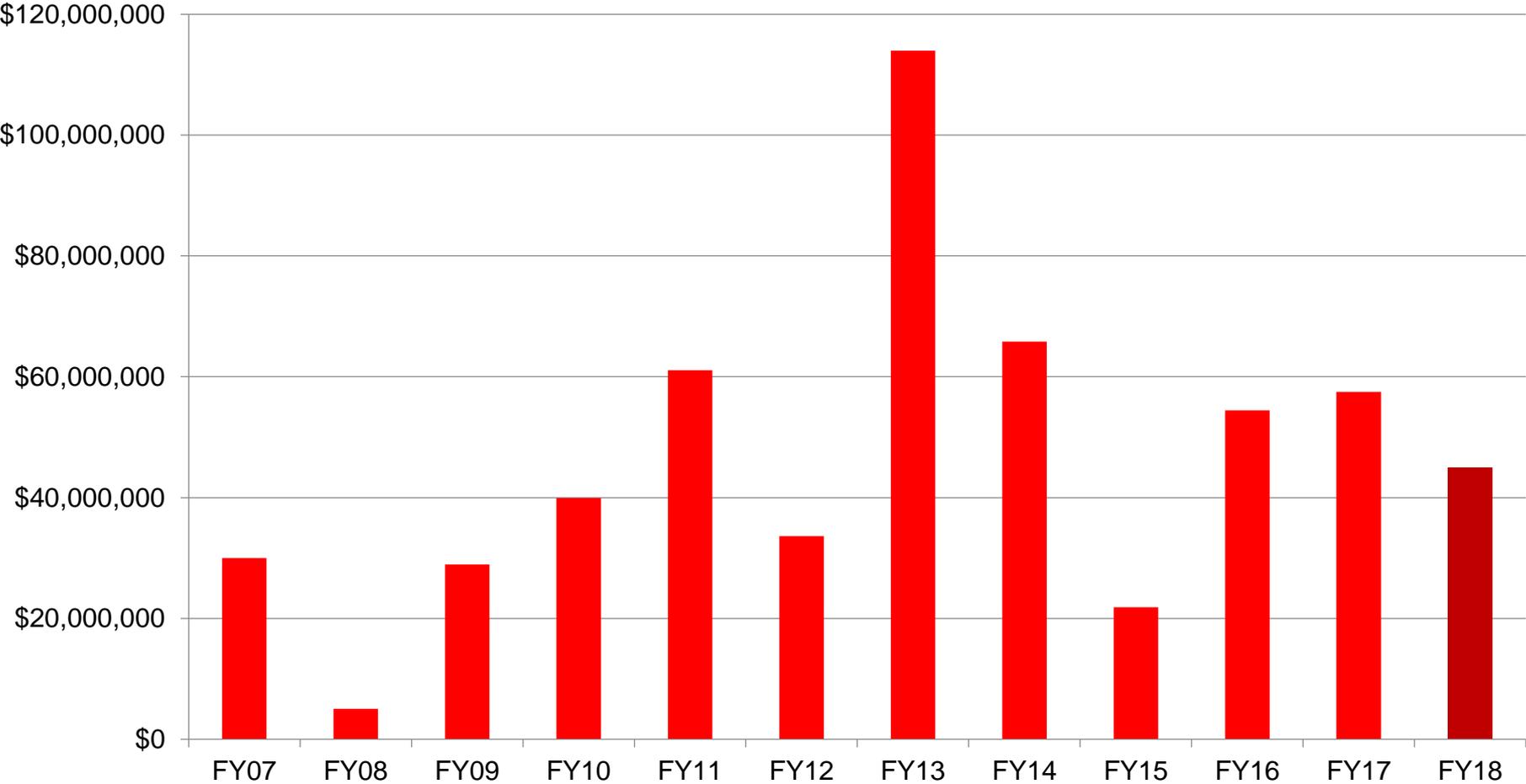
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- 2,075 Hybrid Sedans, \$59.7M
- 1,736 Police Sedans (non-hybrid), \$60.8M
- 1,254 Collection Trucks, \$360.5M
- 753 Plug-in Hybrid Sedans, \$21.8M
- 537 Ambulances, \$131.4M
- 467 Electric Sedans, \$15.1M

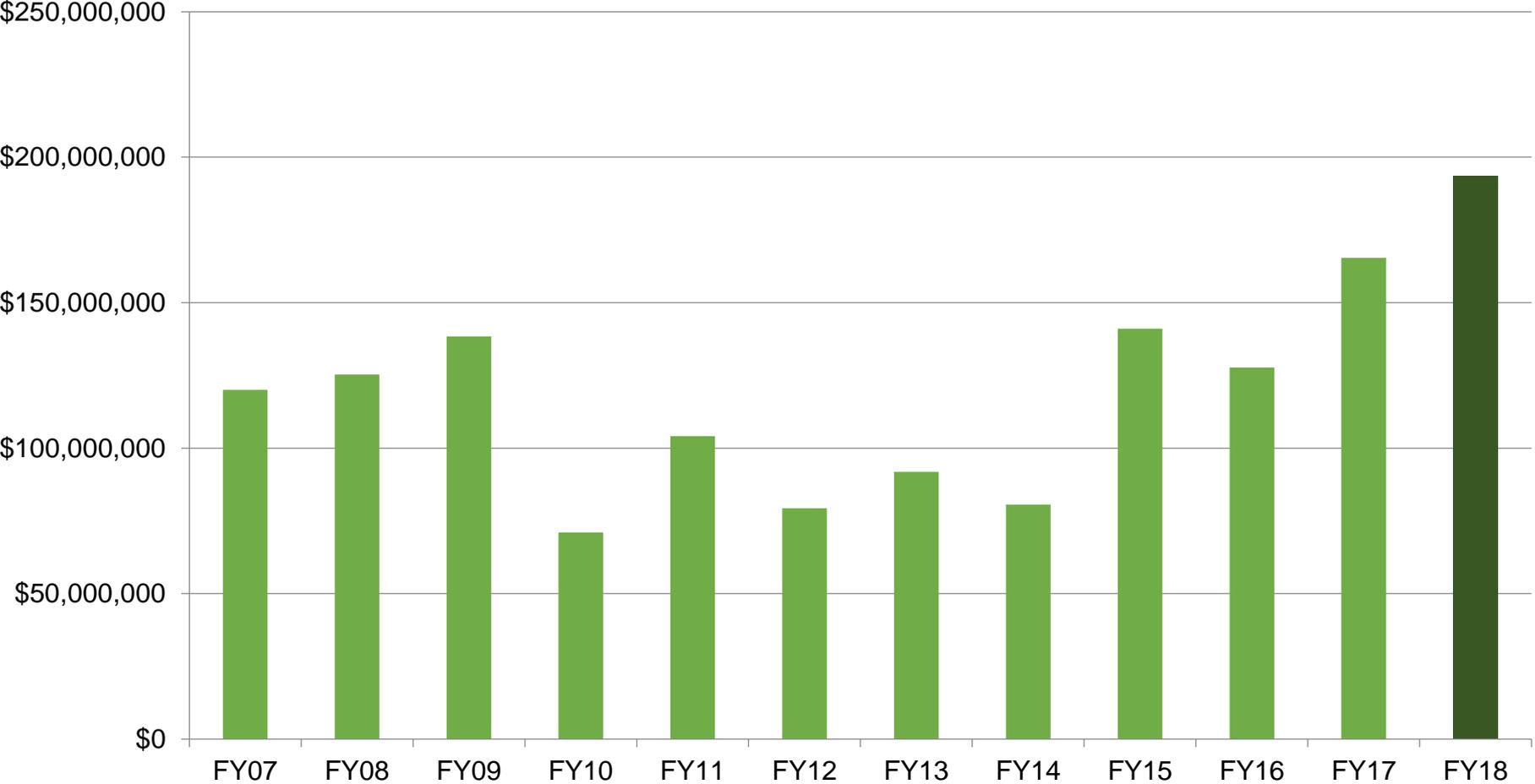
# Investment in NYPD Equipment



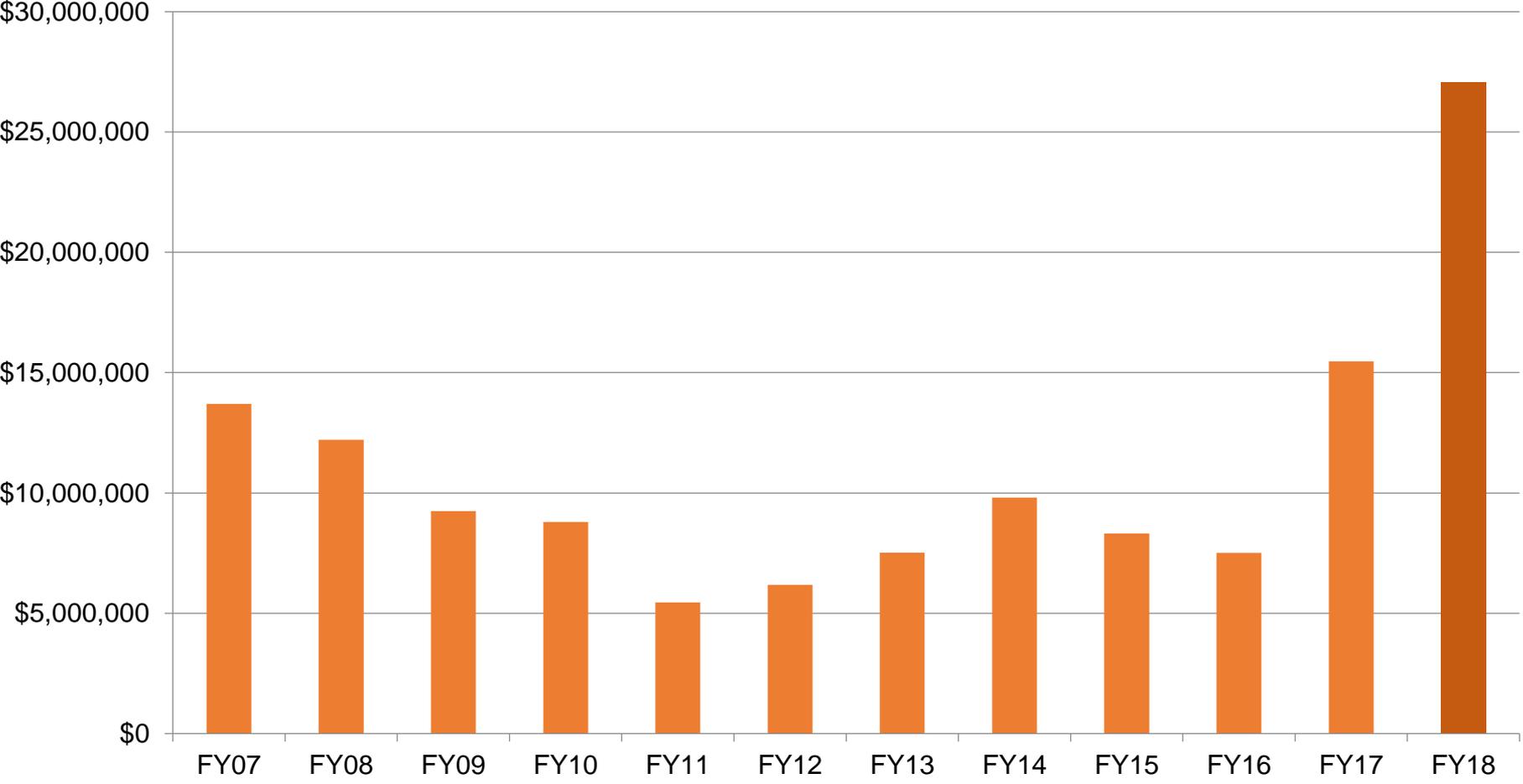
# Investment in Fire Equipment



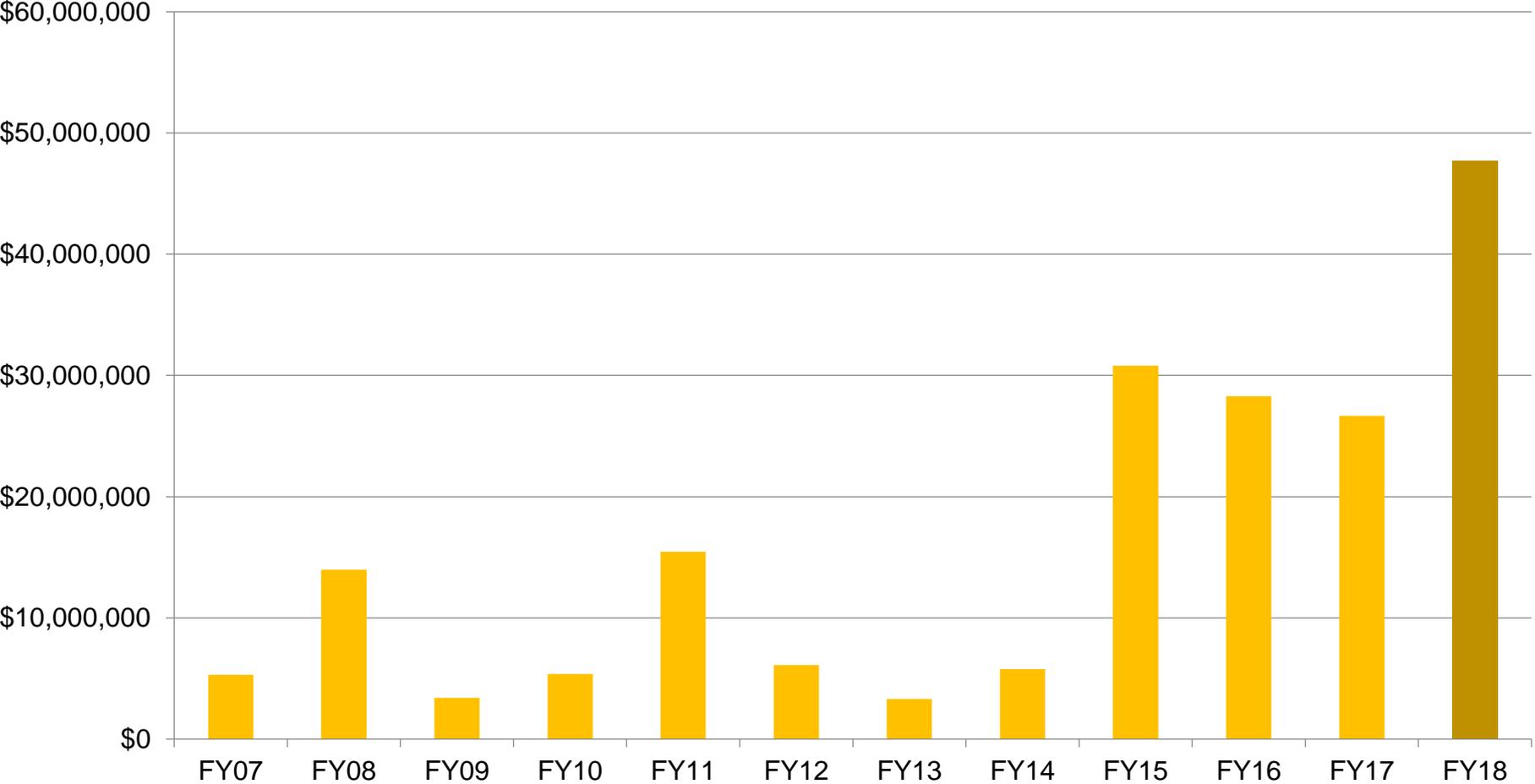
# Investment in DSNY Equipment



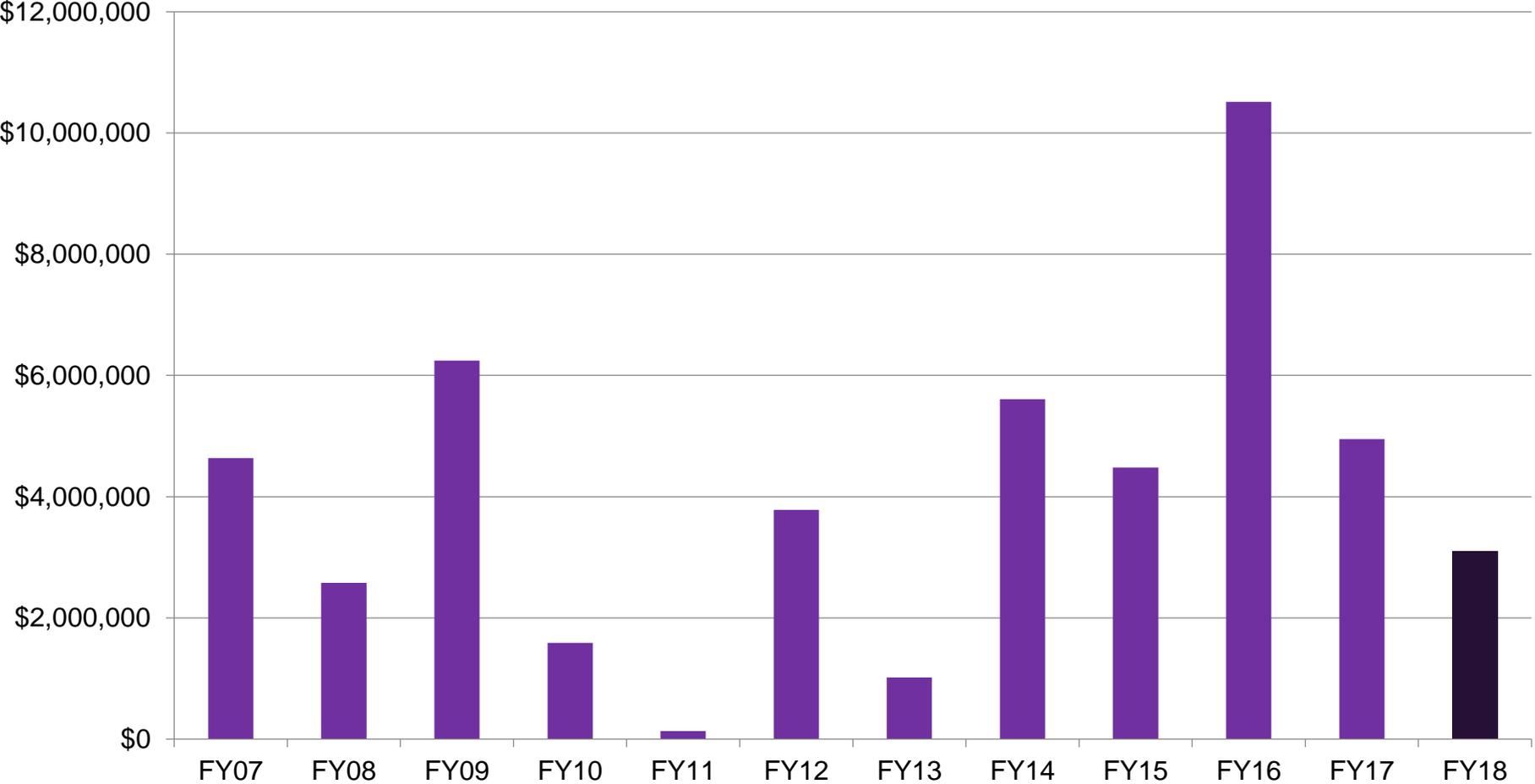
# Investment in Parks Equipment



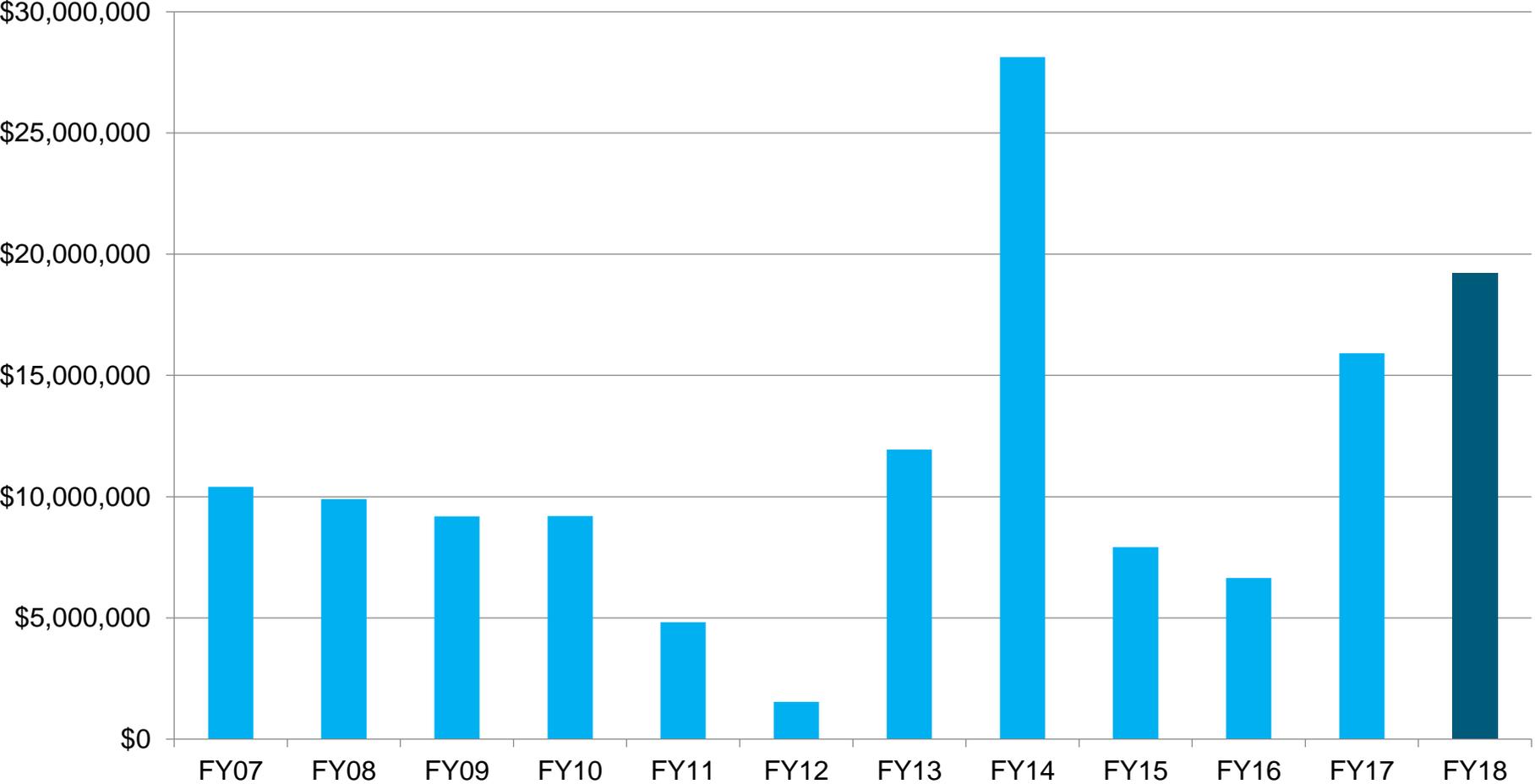
# Investment in DOT Equipment



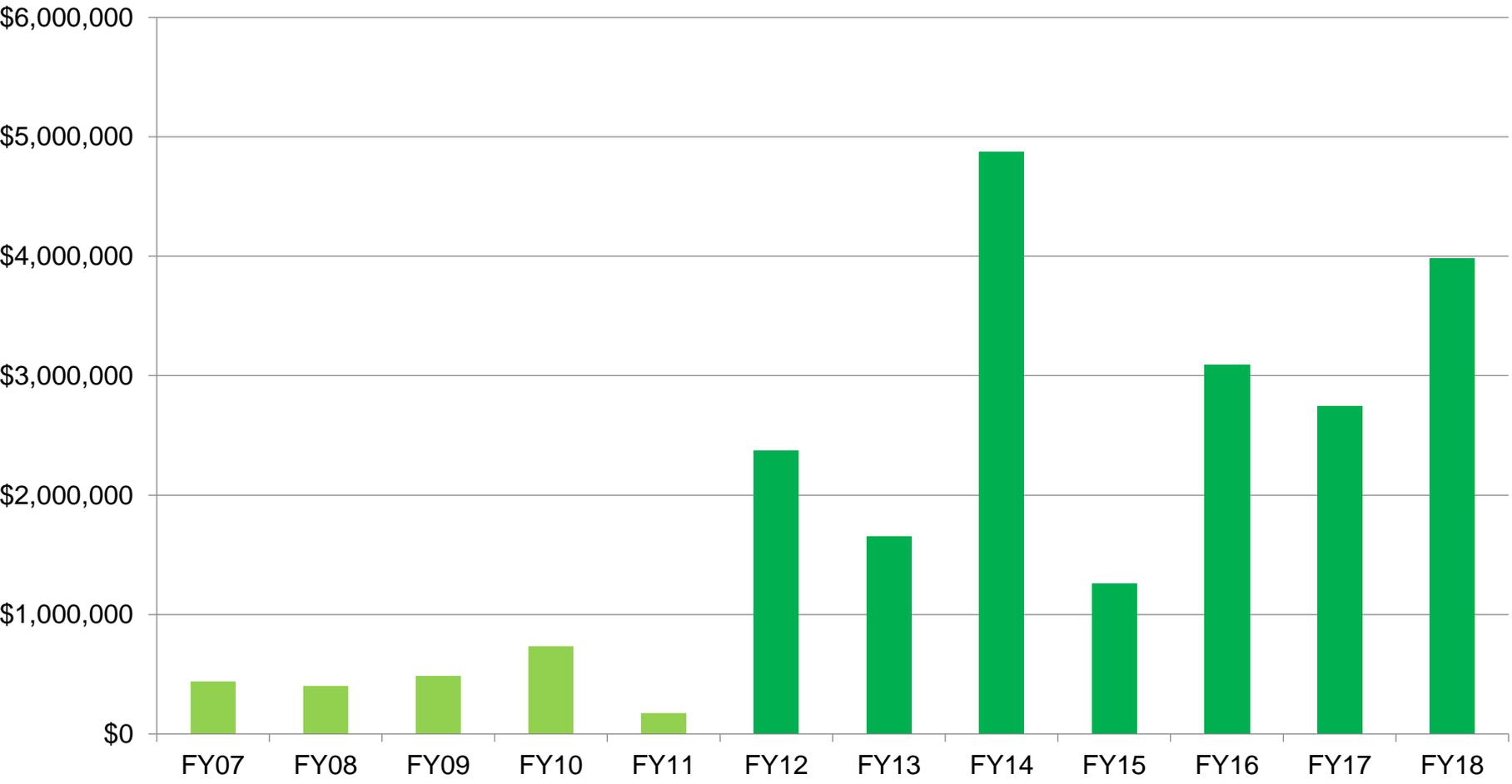
# Investment in DOC Equipment



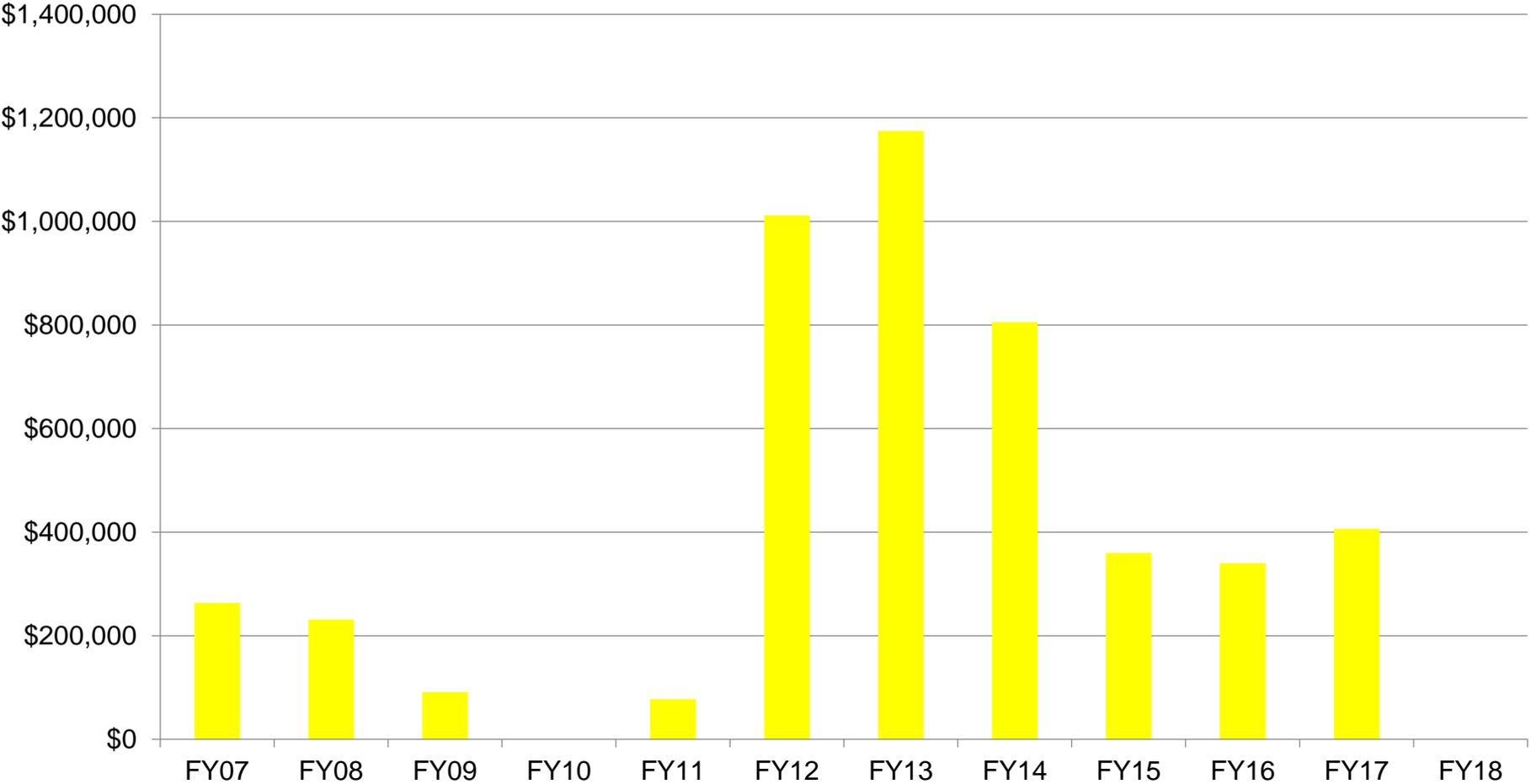
# Investment in DEP Equipment



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



# Investments in TLC Inspection and 5-Boro Program



# 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
<b>Total</b>	<b>323</b>	<b>\$19,237,596</b>	<b>323</b>	<b>323</b>

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

# Approved Fleet Acquisitions

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- Since the beginning of FY18, NYC Fleet and OMB, together known as the Committee for Fleet Management or CFM, have approved 56 capital project requests (CPs) in the total amount of **\$325 million**. On the expense side, DCAS approved **\$80 million** in approved expense orders in FY18.
- **In total, there were \$405 million in fleet unit approvals in FY18.**
- The following represents a breakdown of the approved CPs by agency, quantity, and total amount (\$ in 000's):

Agency	Quantity	Amount
DSNY	5	\$192,378
DOT	4	\$51,540
DPAR	4	\$28,188
FDNY	16	\$26,115
NYPD	24	\$16,826
DEP	1	\$9,370
DCAS	2	\$415
<b>Total</b>	<b>56</b>	<b>\$324,833</b>

# Fleet Purchase Orders

- NYC Fleet and Procurement processed and committed \$419 million in purchase orders in FY18 (\$339M Capital, \$80M Expense). This is the largest commitment for fleet acquisitions ever and constitutes about a 10% replacement of total fleet units.

- *Capital: DSNY accounts for 56% of all capital purchase costs*

Agency	DSNY	FDNY	DOT	DPAR	NYPD	DEP	ACS	DCAS	DDC	HRA	TOTAL
Number of Units	662	150	250	180	145	104	21	6	3	3	1,524
Cost	\$190,479	\$44,365	\$43,328	\$25,213	\$19,244	\$13,170	\$2,286	\$239	\$114	\$107	\$338,545

- *Expense: PD accounts for 64% of the plan and 26 other agencies the rest*

Agency	NYPD	DEP	DCAS	DOT	DOC	DSNY	DPAR	DOB	ACS	OTHER	TOTAL
Number of Units	1,214	188	216	130	103	110	67	40	26	91	2,185
Cost	\$51,449	\$6,058	\$5,312	\$4,401	\$3,107	\$3,051	\$1,865	\$1,274	\$686	\$3,291	\$80,494

# DOC Rental Replacements

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- DOC Rental Replacement CP (approved 3/11/14): 19 vehicles, \$1.7 million
  - FY14 Commitments: 16 vehicles, \$1.04 million
  - FY15 Commitments: 1 vehicle, \$0.2 million

# DOT Rental Replacements

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- 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: 59 vehicles, \$10.6 million

# Capital Vehicle Acquisitions Tracking Report

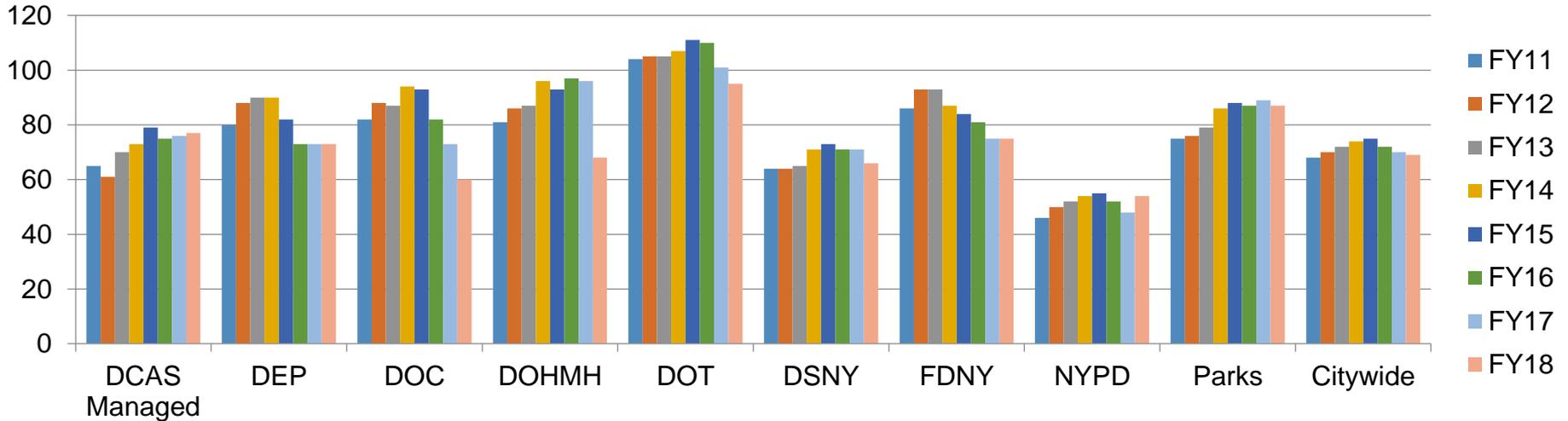
## Citywide Fleet Capital Program

DCAS, \$ in 000s, updated 10/31/14

Fiscal Year	CP Number	Project ID	CP Approval Date	Vehicle Type/ Make and Model	Status	CP Estimated Unit Cost	CP Quantity Requested	CP Estimated Total Cost	Actual Unit Cost	Actual Quantity Ordered	Actual Total Cost	Funding Type	RC Number	Quantity Delivered	Notes
FY14	59201	PW308DOT	01/14/14	Ford Freightliner Sprinter 3500 cargo van (OCP)	Received	\$41	1	\$41	\$45	1	\$45	City/Mayoral	20111203436	1	
				Ford F550 4x4 Utility Pickup Truck (AM)	Ordered	\$106	1	\$106	\$90	1	\$90	City/Mayoral	n/a	0	
							<b>2</b>	<b>\$147</b>		<b>2</b>	<b>\$135</b>			<b>1</b>	
FY14	58972	PW308DOTT	12/16/13	Ford F550 mason dump trucks (DOT)	Partial delivery	\$65	6	\$393	\$65	6	\$393	City/Mayoral	20121201936	4	
							<b>6</b>	<b>\$393</b>		<b>6</b>	<b>\$393</b>			<b>4</b>	
FY14	58951	E10-00019	12/05/13	Compressed natural gas (CNG) vans (DOHMH/DPR)	Received	\$41	28	\$1,150		28	\$1,080	City/Mayoral	20111202926	28	
							<b>28</b>	<b>\$1,150</b>		<b>28</b>	<b>\$1,080</b>			<b>28</b>	
FY14	58525	PW77AARI	10/28/13	Generators	Pending order	\$310	35	\$10,850				City/Mayoral			GSA contract
				Fuel trucks	Ordered	\$250	35	\$8,750	\$281	35	\$9,829	City/Mayoral	20141201636, 20141201621	0	
				Forklifts	Pending order	\$40	60	\$2,400				City/Mayoral			GSA contract
							<b>130</b>	<b>\$22,000</b>		<b>35</b>	<b>\$9,829</b>			<b>0</b>	
FY13	57531	SANDMNDVAV	01/31/13	Van for Manhattan District Attorney	Received	\$108	1	\$108	\$108	1	\$108	City/Federal	n/a	1	Intergovernmental
							<b>1</b>	<b>\$108</b>		<b>1</b>	<b>\$108</b>			<b>1</b>	
FY13	57500	PW308DCA	01/18/13	Ford F250 4x4	Received	\$36	1	\$36	\$36	1	\$36	City/Mayoral	20111202911	1	
				Ford F250 4x4	Received	\$37	1	\$37	\$37	1	\$37	City/Mayoral	20111202911	1	
				Ford E350 15 Passenger Van	Received	\$37	1	\$37	\$37	1	\$37	City/Mayoral	20111202911	1	
				Box Truck	Received	\$54	1	\$54	\$54	1	\$54	City/Mayoral	n/a	1	
							<b>4</b>	<b>\$164</b>		<b>4</b>	<b>\$164</b>			<b>4</b>	
FY11	54622	PW308TSTT	12/17/10	Wrecker for DMSS	Ordered	\$108	1	\$82	\$81	1	\$81	City/Mayoral	20141200646	0	
							<b>1</b>	<b>\$82</b>		<b>1</b>	<b>\$81</b>			<b>0</b>	

# Fleet Age

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



Agency	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18
DCAS Managed	65	61	70	73	79	75	76	77
DEP	80	88	90	90	82	73	73	73
DOC	82	88	87	94	93	82	73	60
DOHMH	81	86	87	96	93	97	96	68
DOT	104	105	105	107	111	110	101	95
DSNY	64	64	65	71	73	71	71	66
FDNY	86	93	93	87	84	81	75	75
NYPD	46	50	52	54	55	52	48	54
Parks	75	76	79	86	88	87	89	87
Citywide	68	70	72	74	75	72	70	69

# Contact

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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