

# VEHICLE FLEETS AND MAINTENANCE

New York City operates the largest municipal fleet in the United States, with over 29,000 units. Citywide, fleet operations are led by DCAS Fleet through the Deputy Commissioner for Fleet Management, who serves as Citywide Chief Fleet Officer, consistent with Executive Order 161. The Chief Fleet Officer works with the more than 50 City agencies that operate fleet units, especially the 12 major fleet agencies of NYPD, FDNY, DOC, DSNY, DPR, DOT, DEP, DOE, DOHMH, NYCEM, TLC and DCAS, known as the Fleet Federation.

DCAS Fleet leads initiatives in safety, sustainability, transparency, and emergency management, while also providing direct services in areas including repair, collisions management, subrogation, fuel, auction and parts. DCAS manages the City's central fleet management systems and FleetStat reporting.

As part of Vision Zero, New York City's fleet operations are undertaking a series of initiatives to improve safety and reporting relating to vehicle collisions. These initiatives currently include:

- 1) Training all authorized City fleet drivers in defensive driving. DCAS Fleet is leading this initiative for all staff except uniformed drivers at NYPD and FDNY, who receive separate driver training for their emergency response vehicles.
- 2) Assessing the safety outfitting of City vehicles and developing a Safe Fleet Transition Plan. As part of this initiative, the City has a policy to install side-guards on all fleet units. The City is also working with private fleets to assess and promote best industry practices. NYC Fleet recently barred the use of hands-free phone devices by City fleet operators.
- 3) Improving the tracking of vehicle collisions. DCAS Fleet is introducing two new indicators in the Vehicle Fleets and Maintenance tables of the Mayor's Management Report (MMR) for 2016: the citywide number of injuries and the number of fatalities resulting from collisions involving City fleet vehicles. The number of Preventable Collisions is reported in the MMR for the second year and is expanded to be included in the agency Fleet sections.
- 4) Installing tracking devices called CANceivers in all City fleet vehicles. The CANceivers provide data to be used to monitor City fleet driving habits and create a Safety Index to help improve safe driving of City vehicles. The CANceivers are also part of a new fuel management program.

The City is also implementing a series of sustainability initiatives as part of the OneNYC and NYC Clean Fleet plans, including efforts to expand electric and hybrid vehicles; install additional diesel particulate filters; increase the use of fossil fuel alternatives; and introduce anti-idling and other technologies. Fleet has committed to reduce greenhouse gas emissions by 50 percent by 2025. DCAS Fleet has also worked to increase the transparency of citywide fleet operations. The vehicle out-of-service report and CRASH collisions reporting are available now online, as is Fleet's regular newsletter. The roll-out of fleet systems to better track, monitor and share fleet assets, parts and fuel, and driving behaviors, will increase our understanding of fleet operations; allow for better management oversight; and facilitate further service improvements.

In addition to this report, the Local Law 75 Annual Report contains information on use-based fuel economy for non-emergency light and medium fleets. The Local Law 38 Annual Report, prepared by the Department of Environmental Protection, contains information on City purchases of light and medium duty vehicles, the fuel economy of light duty vehicles purchased by the City, and the fuel consumption and carbon dioxide emission of the City fleet of light and medium duty vehicles.

## Additional Resources

### Fleet newsletter:

<http://www.nyc.gov/html/dcas/html/employees/fleet.shtml>

### Use-based fuel economy report (Local Law 75):

[http://www.nyc.gov/html/dcas/downloads/pdf/fleet/LL75\\_2015\\_12\\_use\\_based\\_fuel\\_economy\\_report.pdf](http://www.nyc.gov/html/dcas/downloads/pdf/fleet/LL75_2015_12_use_based_fuel_economy_report.pdf)

### Air pollution from City vehicles report (Local Law 38)

<http://www.nyc.gov/html/dep/html/air/index.shtml>

# VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY15 Annual Actual	FY16 Annual Actual	FY16 Annual Target	FY17 Annual Target
<b>CITYWIDE FLEET SIZE</b>	<b>27,844</b>	<b>29,374</b>	<b>27,700</b>	<b>29,500</b>
- Light Duty	11,734	12,605	11,600	12,600
- Medium Duty	4,757	4,825	4,900	4,900
- Heavy Duty	7,203	7,184	7,100	7,200
- Other Vehicles	4,150	4,760	4,100	4,800
Vehicle in-service rate (%)	90%	91%	90%	90%
Daily fleet in-service targets achieved (%)	93%	89%	90%	88%
Fleet garages/parts operations consolidated	7	0	0	1
Purchased vehicles compliant with Local Law 38 (%)	98%	98%	95%	95%
Alternative fuel vehicles	15,491	16,681	16,000	17,000
Alternative fuel vehicles in City fleet (%)	57%	59%	60%	62%
Vehicle fuel used (gallons)	29,212,219	28,865,173	29,000,000	28,500,000
- Biodiesel fuel used (gallons)	15,595,726	15,281,204	15,500,000	15,500,000
Electric chargers installed	48	55	40	100
Vehicles purchased	3,131	4,352	3,000	3,000
Average age of fleet (months)	75	72	72	72
Collisions in City vehicles <sup>1</sup>	5,726	6,344	*	*
Preventable collisions in City vehicles <sup>2</sup>	2,873	2,815	*	*
Injuries involving collisions in City vehicles	668	616	*	*
Fatalities involving collisions in City vehicles	5	1	*	*
Revenue from recoverable affirmative claims	\$1,937,675	\$2,680,961	*	*
Employees trained in defensive driving	15,266	7,929	11,000	8,000
Fleet repair expenditures (\$000,000)	\$230.8	\$235.3	*	*
Fleet fuel expenditures (\$000,000)	\$68.7	\$46.0	*	*
Fleet acquisition expenditures (capital) (\$000,000)	\$206.8	\$215.3	\$200.0	\$220.0
Fleet acquisition expenditures (expense) (\$000,000)	\$69.0	\$109.4	\$60.0	\$70.0
Automotive repair personnel	1,316	1,356	1,320	1,350
Fleet support personnel	364	384	360	380

<sup>1</sup>Collisions in City vehicles do not include NYPD collisions.

<sup>2</sup>Preventable collisions - A collision in which the driver did not take all reasonable avoidance actions.

\*Indicator is not subject to targeting in the MMR.

"NA" means Not Available in this report.

# VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY15 Annual Actual	FY16 Annual Actual
The following is a detailed fleet breakdown for agencies with the largest city-managed fleets:		
<b>DEPARTMENT OF CITYWIDE ADMINISTRATIVE SERVICES</b>		
Total Vehicles	2,292	2,458
- Light Duty	1,784	1,934
- Medium Duty	293	301
- Heavy Duty	75	80
- Other Vehicles	140	143
Vehicle in-service rate (%)	98%	98%
Vehicles purchased	250	505
Average age of fleet (months)	79	75
Collisions in City vehicles	449	400
Preventable collisions in City vehicles	215	135
Revenue from recoverable affirmative claims	\$329,580	\$293,618
Employees trained in defensive driving	1,704	1,644
Agency alternative fuel vehicles	1,391	1,605
Agency fleet using alternative fuels (%)	66%	74%
Vehicle fuel used (gallons)	831,117	782,062
- Biodiesel fuel used (gallons)	0	0
Fleet repair expenditures (\$000,000)	\$20.6	\$26.1
Fleet fuel expenditures (\$000,000)	\$2.1	\$1.5
Fleet acquisition expenditures (capital) (\$000,000)	\$4.2	\$4.7
Fleet acquisition expenditures (expense) (\$000,000)	\$5.2	\$11.9
Automotive repair personnel	0	0
Fleet support personnel	33	34

# VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY15 Annual Actual	FY16 Annual Actual
Applicable Agency Light-Duty and Medium-Duty Vehicle Purchases by California LEV II Standards - DCAS		
o Light Duty Vehicle (LDV) Purchases	158	367
- LDV Purchases - Zero Emission Vehicles (ZEV)	25	90
- Ford Transit Connect EV	0	0
- Nissan Leaf	25	90
- LDV Purchases - Transitional Zero Emission Vehicles (TZEV)	0	0
- LDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	107	215
- Ford Fusion Hybrid	0	na
- Toyota Camry Hybrid	3	47
- Toyota Prius	104	168
- LDV Purchases - Partial Zero Emission Vehicles (PZEV)	12	0
- Ford Fusion Energi Plug-in Hybrid	12	na
- LDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	9	35
- Toyota Avalon Hybrid	0	1
- Toyota Highlander Hybrid	9	23
- Toyota Rav4 Hybrid	0	11
- LDV Purchases - Ultra Low Emission Vehicles (ULEV)	5	27
- Chevrolet Tahoe Trax	0	2
- Dodge Grand Caravan	1	12
- Ford E-150	0	0
- Ford F-150	0	1
- Ford Escape	0	0
- Ford Explorer	1	0
- Ford Taurus	1	0
- Ford Transit 150	0	12
- GMC Yukon	2	0
- LDV Purchases - Low Emission Vehicles (LEV)	0	0
o Medium Duty Vehicle (MDV) Purchases	19	6
- MDV Purchases - Zero Emission Vehicles (ZEV)	0	0
- MDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	0	0
- MDV Purchases - Partial Zero Emission Vehicles (PZEV)	0	0
- MDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	10	0
- Chevrolet Express CNG	10	0
- MDV Purchases - Ultra Low Emission Vehicles (ULEV)	9	6
- Chevrolet Express	6	3
- Ford E-250	0	0
- Ford E-350	0	0
- Ford F-250	0	3
- Ford Transit Van	3	0
- MDV Purchases - Low Emission Vehicles (LEV)	0	0

# VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY15 Annual Actual	FY16 Annual Actual
<b>DEPARTMENT OF ENVIRONMENTAL PROTECTION</b>		
Total Vehicles	1,999	2,176
- Light Duty	704	834
- Medium Duty	489	471
- Heavy Duty	403	435
- Other Vehicles	403	436
Vehicle in-service rate (%)	91%	92%
Vehicles purchased	292	218
Average age of fleet (months)	82	73
Collisions in City vehicles	337	380
Preventable collisions in City vehicles	182	207
Revenue from recoverable affirmative claims	\$16,275	\$12,561
Employees trained in defensive driving	1,986	884
Agency alternative fuel vehicles	525	1,269
Agency fleet using alternative fuels (%)	28%	62%
Vehicle fuel used (gallons)	969,046	989,708
- Biodiesel fuel used (gallons)	375,697	386,410
Fleet repair expenditures (\$000,000)	\$2.4	\$2.8
Fleet fuel expenditures (\$000,000)	\$2.3	\$1.7
Fleet acquisition expenditures (capital) (\$000,000)	\$1.0	\$0.6
Fleet acquisition expenditures (expense) (\$000,000)	\$6.6	\$6.0
Automotive repair personnel	9	11
Fleet support personnel	10	11

# VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY15 Annual Actual	FY16 Annual Actual
Applicable Agency Light-Duty and Medium-Duty Vehicle Purchases by California LEV II Standards - DEP		
o Light Duty Vehicle (LDV) Purchases	148	82
- LDV Purchases - Zero Emission Vehicles (ZEV)	15	0
- Nissan Leaf	15	0
- LDV Purchases - Transitional Zero Emission Vehicles (TZEV)	0	0
- LDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	66	40
- Toyota Prius	66	40
- Ford Fusion Hybrid	0	0
- LDV Purchases - Partial Zero Emission Vehicles (PZEV)	0	0
- LDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	0	15
- Toyota Rav4 Hybrid	0	15
- LDV Purchases - Ultra Low Emission Vehicles (ULEV)	67	27
- Ford Escape	67	0
- Ford F-150	0	26
- Ford Transit Connect	0	0
- Ford Transit 150	0	1
- LDV Purchases - Low Emission Vehicles (LEV)	0	0
o Medium Duty Vehicle (MDV) Purchases	0	62
- MDV Purchases - Zero Emission Vehicles (ZEV)	0	0
- MDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	0	0
- MDV Purchases - Partial Zero Emission Vehicles (PZEV)	0	0
- MDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	0	0
- MDV Purchases - Ultra Low Emission Vehicles (ULEV)	0	62
- Ford E-350	0	0
- Ford F-250	0	62
- MDV Purchases - Low Emission Vehicles (LEV)	0	0

# VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY15 Annual Actual	FY16 Annual Actual
<b>DEPARTMENT OF HEALTH AND MENTAL HYGIENE</b>		
Total Vehicles	<b>274</b>	<b>298</b>
- Light Duty	198	205
- Medium Duty	68	85
- Heavy Duty	6	6
- Other Vehicles	2	2
Vehicle in-service rate (%)	97%	98%
Vehicles purchased	13	19
Average age of fleet (months)	93	97
Collisions in City vehicles	29	23
Preventable collisions in City vehicles	12	16
Revenue from recoverable affirmative claims	\$9,931	\$10,815
Employees trained in defensive driving	227	248
Agency alternative fuel vehicles	199	221
Agency fleet using alternative fuels (%)	72%	74%
Vehicle fuel used (gallons)	89,992	73,786
- Biodiesel fuel used (gallons)	0	0
Fleet repair expenditures (\$000,000)	\$1.7	\$1.9
Fleet fuel expenditures (\$000,000)	\$0.2	\$0.1
Fleet acquisition expenditures (capital) (\$000,000)	\$0.2	\$8.2
Fleet acquisition expenditures (expense) (\$000,000)	\$0.2	\$0.5
Automotive repair personnel	0	0
Fleet support personnel	24	25

# VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY15 Annual Actual	FY16 Annual Actual
Applicable Agency Light-Duty and Medium-Duty Vehicle Purchases by California LEV II Standards - DOHMH		
o Light Duty Vehicle (LDV) Purchases	6	19
- LDV Purchases - Zero Emission Vehicles (ZEV)	0	0
- LDV Purchases - Transitional Zero Emission Vehicles (TZEV)	0	0
- LDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	5	17
- Ford Fusion Energi Plug-in Hybrid	0	7
- Ford Fusion Hybrid	0	0
- Toyota Prius	5	10
- LDV Purchases - Partial Zero Emission Vehicles (PZEV)	0	0
- LDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	1	2
- Toyota Highlander Hybrid	1	2
- LDV Purchases - Ultra Low Emission Vehicles (ULEV)	0	0
- LDV Purchases - Low Emission Vehicles (LEV)	0	0
o Medium Duty Vehicle (MDV) Purchases	7	0
- MDV Purchases - Zero Emission Vehicles (ZEV)	0	0
- MDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	0	0
- MDV Purchases - Partial Zero Emission Vehicles (PZEV)	0	0
- MDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	0	0
- MDV Purchases - Ultra Low Emission Vehicles (ULEV)	7	0
- Ford F-250	7	0
- MDV Purchases - Low Emission Vehicles (LEV)	0	0

# VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY15 Annual Actual	FY16 Annual Actual
<b>DEPARTMENT OF TRANSPORTATION</b>		
Total Vehicles	2,766	3,065
- Light Duty	703	864
- Medium Duty	462	476
- Heavy Duty	892	844
- Other Vehicles	709	881
Vehicle in-service rate (%)	91%	91%
Vehicles purchased	226	483
Average age of fleet (months)	111	110
Collisions in City vehicles	344	370
Preventable collisions in City vehicles	249	282
Revenue from recoverable affirmative claims	\$63,104	\$550,000
Employees trained in defensive driving	1,903	629
Agency alternative fuel vehicles	1,595	1,669
Agency fleet using alternative fuels (%)	63%	60%
Vehicle fuel used (gallons)	2,147,623	2,008,748
- Biodiesel fuel used (gallons)	840,762	865,740
Fleet repair expenditures (\$000,000)	\$21.4	\$22.1
Fleet fuel expenditures (\$000,000)	\$5.2	\$3.2
Fleet acquisition expenditures (capital) (\$000,000)	\$26.7	\$17.0
Fleet acquisition expenditures (expense) (\$000,000)	\$4.1	\$11.3
Automotive repair personnel	140	148
Fleet support personnel	19	23

# VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY15 Annual Actual	FY16 Annual Actual
Applicable Agency Light-Duty and Medium-Duty Vehicle Purchases by California LEV II Standards - DOT		
o Light Duty Vehicle (LDV) Purchases	73	218
- LDV Purchases - Zero Emission Vehicles (ZEV)	0	10
- Nissan Leaf	0	10
- Ford Focus EV	0	0
- LDV Purchases - Transitional Zero Emission Vehicles (TZEV)	0	0
- LDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	55	154
- Ford Fusion Energi Plug-in Hybrid	0	30
- Ford Fusion Hybrid	0	0
- Toyota Prius	55	124
- LDV Purchases - Partial Zero Emission Vehicles (PZEV)	5	0
- Ford Fusion Energi Plug-in Hybrid	5	0
- LDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	8	11
- Toyota Avalon Hybrid	3	0
- Toyota Highlander Hybrid	5	0
- Toyota Rav4 Hybrid	0	11
- LDV Purchases - Ultra Low Emission Vehicles (ULEV)	5	43
- Chevrolet Colorado	0	1
- Dodge Grand Caravan	0	9
- Ford Escape	5	0
- Ford E-150	0	0
- Ford F-150	0	33
- LDV Purchases - Low Emission Vehicles (LEV)	0	0
o Medium Duty Vehicle (MDV) Purchases	12	24
- MDV Purchases - Zero Emission Vehicles (ZEV)	0	0
- MDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	0	0
- MDV Purchases - Partial Zero Emission Vehicles (PZEV)	0	0
- MDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	0	0
- MDV Purchases - Ultra Low Emission Vehicles (ULEV)	12	24
- Ford F-250	0	0
- Chevrolet Express	12	9
- Dodge Ram 2500	0	15
- MDV Purchases - Low Emission Vehicles (LEV)	0	0

# VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY15 Annual Actual	FY16 Annual Actual
<b>DEPARTMENT OF SANITATION</b>		
Total Vehicles	5,857	6,060
- Light Duty	983	996
- Medium Duty	307	317
- Heavy Duty	4,011	3,826
- Other Vehicles	556	921
Vehicle in-service rate (%)	83%	84%
Vehicles purchased	758	679
Average age of fleet (months)	73	71
Collisions in City vehicles	2,616	2,625
Preventable collisions in City vehicles	1,144	1,201
Revenue from recoverable affirmative claims	\$216,239	\$69,303
Employees trained in defensive driving	7,546	1,227
Agency alternative fuel vehicles	5,417	5,438
Agency fleet using alternative fuels (%)	95%	93%
Vehicle fuel used (gallons)	10,949,872	10,596,933
- Biodiesel fuel used (gallons)	10,338,340	10,001,638
Fleet repair expenditures (\$000,000)	\$110.7	\$106.0
Fleet fuel expenditures (\$000,000)	\$25.7	\$16.3
Fleet acquisition expenditures (capital) (\$000,000)	\$133.9	\$123.7
Fleet acquisition expenditures (expense) (\$000,000)	\$7.1	\$4.0
Automotive repair personnel	672	672
Fleet support personnel	109	119

# VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY15 Annual Actual	FY16 Annual Actual
Applicable Agency Light-Duty and Medium-Duty Vehicle Purchases by California LEV II Standards - DSNY		
o Light Duty Vehicle (LDV) Purchases	86	121
- LDV Purchases - Zero Emission Vehicles (ZEV)	0	0
- Nissan Leaf	0	0
- LDV Purchases - Transitional Zero Emission Vehicles (TZEV)	0	0
- LDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	0	24
- Ford Fusion Energi Plug-in Hybrid	0	24
- Ford Fusion Hybrid	0	0
- LDV Purchases - Partial Zero Emission Vehicles (PZEV)	11	0
- Ford Fusion Energi Plug-in Hybrid	11	0
- LDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	1	37
- Toyota Highlander Hybrid	1	16
- Toyota Rav4 Hybrid	0	21
- LDV Purchases - Ultra Low Emission Vehicles (ULEV)	74	60
- Chevrolet Equinox	0	60
- Ford Escape	74	0
- Ford Explorer	0	0
- LDV Purchases - Low Emission Vehicles (LEV)	0	0
o Medium Duty Vehicle (MDV) Purchases	0	0
- MDV Purchases - Zero Emission Vehicles (ZEV)	0	0
- MDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	0	0
- MDV Purchases - Partial Zero Emission Vehicles (PZEV)	0	0
- MDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	0	0
- MDV Purchases - Ultra Low Emission Vehicles (ULEV)	0	0
- Ford E-350	0	0
- MDV Purchases - Low Emission Vehicles (LEV)	0	0

# VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY15 Annual Actual	FY16 Annual Actual
<b>DEPARTMENT OF PARKS AND RECREATION</b>		
Total Vehicles	2,923	2,916
- Light Duty	564	614
- Medium Duty	903	858
- Heavy Duty	360	347
- Other Vehicles	1,096	1,097
Vehicle in-service rate (%)	96%	95%
Vehicles purchased	153	144
Average age of fleet (months)	88	87
Collisions in City vehicles	540	576
Preventable collisions in City vehicles	249	230
Revenue from recoverable affirmative claims	\$29,944	\$81,974
Employees trained in defensive driving	803	1,976
Agency alternative fuel vehicles	1,692	1,702
Agency fleet using alternative fuels (%)	61%	63%
Vehicle fuel used (gallons)	1,578,351	1,462,556
- Biodiesel fuel used (gallons)	709,650	649,159
Fleet repair expenditures (\$000,000)	\$6.8	\$7.6
Fleet fuel expenditures (\$000,000)	\$3.7	\$2.3
Fleet acquisition expenditures (capital) (\$000,000)	\$6.6	\$4.5
Fleet acquisition expenditures (expense) (\$000,000)	\$1.7	\$3.0
Automotive repair personnel	27	27
Fleet support personnel	31	37

# VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY15 Annual Actual	FY16 Annual Actual
Applicable Agency Light-Duty and Medium-Duty Vehicle Purchases by California LEV II Standards - DPR		
o Light Duty Vehicle (LDV) Purchases	39	43
- LDV Purchases - Zero Emission Vehicles (ZEV)	10	12
- Nissan Leaf	10	12
- LDV Purchases - Transitional Zero Emission Vehicles (TZEV)	0	0
- Chevrolet Volt	0	0
- LDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	20	1
- Toyota Prius	20	1
- LDV Purchases - Partial Zero Emission Vehicles (PZEV)	1	0
- Ford Fusion Energi Plug-in Hybrid	1	0
- LDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	7	11
- Chevrolet Volt	6	0
- Toyota Highlander Hybrid	1	0
- Toyota Rav4 Hybrid	0	11
- LDV Purchases - Ultra Low Emission Vehicles (ULEV)	1	19
- Dodge Ram 1500	0	2
- Ford Escape	0	0
- Ford E-150	0	0
- Ford F-150	0	15
- Ford Expedition	1	0
- Ford Transit 150	0	2
- LDV Purchases - Low Emission Vehicles (LEV)	0	0
o Medium Duty Vehicle (MDV) Purchases	0	22
- MDV Purchases - Zero Emission Vehicles (ZEV)	0	0
- MDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	0	0
- MDV Purchases - Partial Zero Emission Vehicles (PZEV)	0	0
- MDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	0	0
- Chevrolet CNG	0	0
- MDV Purchases - Ultra Low Emission Vehicles (ULEV)	0	6
- Chevrolet Express	0	1
- Ford E-350	0	0
- Ford F-250	0	5
- MDV Purchases - Low Emission Vehicles (LEV)	0	16
- Chevrolet Silverado 2500	0	16

# VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY15 Annual Actual	FY16 Annual Actual
<b>POLICE DEPARTMENT</b>		
Total Vehicles	8,882	9,240
- Light Duty	6,117	6,378
- Medium Duty	1,324	1,338
- Heavy Duty	355	418
- Other Vehicles	1,086	1,106
Vehicle in-service rate (%)	93%	94%
Vehicles purchased	1,231	1,804
Average age of fleet (months)	55	52
Collisions in City vehicles <sup>1</sup>	3.2	3.9
Revenue from recoverable affirmative claims	\$1,155,665	\$1,591,850
Employees trained in defensive driving	N/A	382
Agency alternative fuel vehicles	2,897	2,846
Agency fleet using alternative fuels (%)	33%	31%
Vehicle fuel used (gallons)	8,019,096	8,162,730
- Biodiesel fuel used (gallons)	381,391	456,130
Fleet repair expenditures (\$000,000)	\$34.6	\$32.6
Fleet fuel expenditures (\$000,000)	\$17.9	\$12.7
Fleet acquisition expenditures (capital) (\$000,000)	\$10.9	\$7.4
Fleet acquisition expenditures (expense) (\$000,000)	\$40.3	\$64.3
Automotive repair personnel	274	288
Fleet support personnel	76	74

<sup>1</sup>NYPD Collisions figure represents Collisions per 100,000 miles.

# VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY15 Annual Actual	FY16 Annual Actual
Applicable Agency Light-Duty and Medium-Duty Vehicle Purchases by California LEV II Standards - NYPD		
o Light Duty Vehicle (LDV) Purchases	0	0
- LDV Purchases - Zero Emission Vehicles (ZEV)	0	0
- LDV Purchases - Transitional Zero Emission Vehicles (TZEV)	0	0
- LDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	0	0
- LDV Purchases - Partial Zero Emission Vehicles (PZEV)	0	0
- LDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	0	0
- LDV Purchases - Ultra Low Emission Vehicles (ULEV)	0	0
- LDV Purchases - Low Emission Vehicles (LEV)	0	0
o Medium Duty Vehicle (MDV) Purchases	0	0
- MDV Purchases - Zero Emission Vehicles (ZEV)	0	0
- MDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	0	0
- MDV Purchases - Partial Zero Emission Vehicles (PZEV)	0	0
- MDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	0	0
- MDV Purchases - Ultra Low Emission Vehicles (ULEV)	0	0
- MDV Purchases - Low Emission Vehicles (LEV)	0	0

# VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY15 Annual Actual	FY16 Annual Actual
<b>FIRE DEPARTMENT</b>		
Total Vehicles	2,097	2,289
- Light Duty	354	372
- Medium Duty	501	474
- Heavy Duty	130	206
- Other Vehicles	147	163
- Pumpers (Engines)	281	302
- Ladders	236	219
- Ambulances	421	527
- Rescue	27	26
Vehicle in-service rate (%)	81%	83%
Vehicles purchased	78	330
Average age of fleet (months)	84	81
Collisions in City vehicles	1,286	1,520
- Ambulance	806	1,056
- Apparatus	480	464
Preventable collisions in City vehicles	726	681
Revenue from recoverable affirmative claims	\$37,024	\$35,928
Employees trained in defensive driving	N/A	442
Agency alternative fuel vehicles	1,443	1,494
Agency fleet using alternative fuels (%)	66%	67%
Vehicle fuel used (gallons)	3,864,971	4,015,806
- Biodiesel fuel used (gallons)	2,644,606	2,616,663
Fleet repair expenditures (\$000,000)	\$29.7	\$32.5
Fleet fuel expenditures (\$000,000)	\$9.7	\$6.8
Fleet acquisition expenditures (capital) (\$000,000)	\$20.8	\$48.8
Fleet acquisition expenditures (expense) (\$000,000)	\$1.0	\$5.6
Automotive repair personnel	172	181
Fleet support personnel	59	58

# VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY15 Annual Actual	FY16 Annual Actual
Applicable Agency Light-Duty and Medium-Duty Vehicle Purchases by California LEV II Standards - FDNY		
o Light Duty Vehicle (LDV) Purchases	0	0
- LDV Purchases - Zero Emission Vehicles (ZEV)	0	0
- LDV Purchases - Transitional Zero Emission Vehicles (TZEV)	0	0
- LDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	0	0
- LDV Purchases - Partial Zero Emission Vehicles (PZEV)	0	0
- LDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	0	0
- LDV Purchases - Ultra Low Emission Vehicles (ULEV)	0	0
- LDV Purchases - Low Emission Vehicles (LEV)	0	0
o Medium Duty Vehicle (MDV) Purchases	0	0
- MDV Purchases - Zero Emission Vehicles (ZEV)	0	0
- MDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	0	0
- MDV Purchases - Partial Zero Emission Vehicles (PZEV)	0	0
- MDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	0	0
- MDV Purchases - Ultra Low Emission Vehicles (ULEV)	0	0
- MDV Purchases - Low Emission Vehicles (LEV)	0	0

# VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY15 Annual Actual	FY16 Annual Actual
<b>DEPARTMENT OF CORRECTION</b>		
Total Vehicles	453	549
- Light Duty	149	218
- Medium Duty	123	136
- Heavy Duty	170	184
- Other Vehicles	11	11
Vehicle in-service rate (%)	93%	91%
Vehicles purchased	110	135
Average age of fleet (months)	93	82
Collisions in City vehicles	103	107
Preventable collisions in City vehicles	65	47
Revenue from recoverable affirmative claims	\$13,840	\$8,604
Employees trained in defensive driving	199	423
Agency alternative fuel vehicles	239	299
Agency fleet using alternative fuels (%)	53%	54%
Vehicle fuel used (gallons)	565,277	594,490
- Biodiesel fuel used (gallons)	305,280	305,464
Fleet repair expenditures (\$000,000)	\$2.6	\$3.2
Fleet fuel expenditures (\$000,000)	\$1.3	\$0.9
Fleet acquisition expenditures (capital) (\$000,000)	\$2.1	\$0.5
Fleet acquisition expenditures (expense) (\$000,000)	\$2.4	\$2.3
Automotive repair personnel	22	29
Fleet support personnel	1	1

# VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY15 Annual Actual	FY16 Annual Actual
Applicable Agency Light-Duty and Medium-Duty Vehicle Purchases by California LEV II Standards - DOC		
o Light Duty Vehicle (LDV) Purchases	32	0
- LDV Purchases - Zero Emission Vehicles (ZEV)	0	0
- LDV Purchases - Transitional Zero Emission Vehicles (TZEV)	0	0
- LDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	20	0
- Ford Fusion Hybrid	0	0
- Toyota Prius	20	0
- LDV Purchases - Partial Zero Emission Vehicles (PZEV)	0	0
- LDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	12	0
- Toyota Highlander Hybrid	12	0
- LDV Purchases - Ultra Low Emission Vehicles (ULEV)	0	0
- LDV Purchases - Low Emission Vehicles (LEV)	0	0
o Medium Duty Vehicle (MDV) Purchases	4	0
- MDV Purchases - Zero Emission Vehicles (ZEV)	0	0
- MDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	0	0
- MDV Purchases - Partial Zero Emission Vehicles (PZEV)	0	0
- MDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	0	0
- MDV Purchases - Ultra Low Emission Vehicles (ULEV)	4	0
- Ford E-350	0	0
- Ford Transit Van	4	0
- MDV Purchases - Low Emission Vehicles (LEV)	0	0

# VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY15 Annual Actual	FY16 Annual Actual
<b>DEPARTMENT OF EDUCATION</b>		
Total Vehicles	301	323
- Light Duty	178	190
- Medium Duty	101	109
- Heavy Duty	22	24
- Other Vehicles	0	0
Vehicle in-service rate (%)	98%	98%
Vehicles purchased	20	35
Average age of fleet (months)	71	72
Collisions in City vehicles	55	52
Preventable collisions in City vehicles	31	16
Revenue from recoverable affirmative claims	\$66,073	\$26,308
Employees trained in defensive driving	177	74
Agency alternative fuel vehicles	93	138
Agency fleet using alternative fuels (%)	30%	42%
Vehicle fuel used (gallons)	196,875	178,355
- Biodiesel fuel used (gallons)	0	0
Fleet repair expenditures (\$000,000)	\$0.4	\$0.5
Fleet fuel expenditures (\$000,000)	\$0.5	\$0.3
Fleet acquisition expenditures (capital) (\$000,000)	\$0.4	\$0.0
Fleet acquisition expenditures (expense) (\$000,000)	\$0.4	\$0.9
Automotive repair personnel	0	0
Fleet support personnel	2	2

# VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY15 Annual Actual	FY16 Annual Actual
Applicable Agency Light-Duty and Medium-Duty Vehicle Purchases by California LEV II Standards - DOE		
o Light Duty Vehicle (LDV) Purchases	6	34
- LDV Purchases - Zero Emission Vehicles (ZEV)	0	0
- Nissan Leaf	0	0
- LDV Purchases - Transitional Zero Emission Vehicles (TZEV)	0	0
- Chevrolet Volt	0	0
- LDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	4	20
- Ford Fusion Energi Plug-in Hybrid	0	13
- Ford Fusion Hybrid	0	0
- Toyota Camry Hybrid	0	0
- Toyota Prius	4	7
- LDV Purchases - Partial Zero Emission Vehicles (PZEV)	0	0
- LDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	1	9
- Toyota Highlander Hybrid	1	0
- Toyota Rav4 Hybrid	0	9
- LDV Purchases - Ultra Low Emission Vehicles (ULEV)	1	5
- Dodge Grand Caravan	0	2
- Ford Taurus	1	0
- Ford Transit 150	0	3
- LDV Purchases - Low Emission Vehicles (LEV)	0	0
o Medium Duty Vehicle (MDV) Purchases	11	1
- MDV Purchases - Zero Emission Vehicles (ZEV)	0	0
- MDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	0	0
- MDV Purchases - Partial Zero Emission Vehicles (PZEV)	0	0
- MDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	0	0
- MDV Purchases - Ultra Low Emission Vehicles (ULEV)	11	1
- Chevrolet Express	9	1
- Ford E-350	0	0
- Ford E-250	2	0
- MDV Purchases - Low Emission Vehicles (LEV)	0	0

# VEHICLE FLEETS AND MAINTENANCE

## DEFINITIONS

Alternative fuel vehicles in City fleet (%): The percentage of City vehicles that are using alternative fuel.

Alternative fuel vehicles: The total number of City vehicles that are using alternative fuel.

Automotive repair personnel: The number of City personnel assigned to repair and maintain City fleet for the year.

Average age of fleet (months): The average number of months from the date a vehicle is put in service to the end of the reporting period (i.e., the MMR/PMMR reporting period).

City Managed Fleet: The total number of city funded and non-city funded vehicles in the city managed fleet.

Citywide fleet size: The total number of vehicles in the city managed fleet and the subtotals by vehicle size/type.

Collisions in City vehicles: The number of collisions in the year as reported by City agencies.

Daily fleet in-service targets achieved (%): The percentage of days the target for vehicle in-service rate was met.

Electric chargers installed: The number of chargers installed for the City hybrid-electric powered vehicles.

Employees trained in defensive driving: The number of City employees trained in defensive driving centrally.

Fatalities involving collisions in City vehicles: The number of fatalities to City employees and all other parties involved in collisions that included at least one City fleet vehicle.

Fleet acquisition expenditures (capital) (\$000,000): The amount of capital funds spent on City fleet during the year.

Fleet acquisition expenditures (expense) (\$000,000): The amount of expense funds spent on fuel for City fleet during the year.

Fleet fuel expenditures (\$000,000): The amount spent on fuel for City fleet during the year.

Fleet repair expenditures (\$000,000): The amount spent on repair and maintenance of City fleet during the year.

Fleet support personnel: The number of City personnel assigned to administer and support City fleet operations for the year.

Injuries involving collisions in City vehicles: The number of injuries to City employees and all other parties involved in collisions that included at least one City fleet vehicle.

Percentage of alternative fuel vehicles in City Fleet: The percentage of vehicles in the city managed fleet that is using alternative fuel. This calculation does not include vehicles in the "Other" subgroup.

Preventable collisions in City vehicles - A collision in which the driver, by his/her own admission or in the judgment of an Agency Accident Review Committee, did not take all reasonable avoidance actions, including attention to road conditions and improper actions of other drivers. "Preventability" is not limited to the violation of traffic laws and is distinguished from "chargeability" as determined by the law.

Purchased vehicles compliant with Local Law 38 (%): The percentage of light and medium-duty vehicles purchased for the City through DCAS during the period that are certified with the highest ratings defined by California Low-Emission Vehicle (LEV) II standards. The four highest ratings are zero emission vehicles (ZEV), transitional zero emission vehicles (TZEV), advanced technology partial zero emission vehicles (ATPZEV), and partial zero emission vehicles (PZEV). Pursuant to Local Law 38 of 2005, each light and medium-duty vehicle that the City purchases should have the best certified emission rating within its vehicle category while meeting the requirements for the City's intended use. According to the law, some exceptions apply based on cost and other limited exemptions, including for certain emergency vehicles.

Revenue from recoverable affirmative claims: The amount of money recovered following collisions in City vehicles.

Vehicle and Biodiesel fuel used (gallons): The volume of fuel used by City fleet in year (biodiesel is included in vehicle fuel).

Vehicle in-service rate (%): The percentage of fleet in full service.

Vehicles purchased: The number of City fleet vehicles acquired.

# VEHICLE FLEETS AND MAINTENANCE

## LIST OF AGENCIES IN THE CITYWIDE FLEET

Department of Citywide Administrative Services\*  
Department of Environmental Protection  
Department of Correction  
Department of Parks and Recreation  
Department of Health and Mental Hygiene

New York City Fire Department  
New York City Police Department  
Department of Transportation  
Department of Sanitation  
Department of Education

\*"Department of Citywide Administrative Services" vehicles include those used by the following agencies:

Administration of Children's Services  
Board of Elections  
Bronx Borough President  
Brooklyn Borough President  
Business Integrity Commission  
Campaign Finance Board  
City Commission on Human Rights  
City Council  
Civilian Complaint Review Board  
Department for the Aging  
Department of Buildings  
Department of City Planning  
Department of Citywide Administrative Services  
Department of Consumer Affairs  
Department of Cultural Affairs  
Department of Design and Construction  
Department of Finance  
Department of Homeless Services  
Department of Housing Preservation and Development  
Department of Information Technology and Telecommunications  
Department of Investigation  
Department of Probation  
Department of Records and Information Services  
Department of Small Business Services

Department of Youth and Community Development  
Financial Information Services Agency  
GrowNY (formerly known as "Council on the Environment")  
Human Resources Administration  
Landmarks Preservation Commission  
Law Department  
Manhattan Borough President  
Mayor's Office  
New York City Emergency Management  
NYC Economic Development Corporation  
Office of Administrative Trials and Hearings  
Office of Chief Medical Examiner  
Office of Labor Relations  
Office of Management and Budget  
Office of Payroll Administration  
Office of the City Clerk  
Office of the Comptroller  
Office of the Public Advocate  
Queens Borough President  
Sheriff's Office  
Sports Commission  
Staten Island Borough President  
Tax Commission  
Taxi and Limousine Commission