

VEHICLE FLEETS AND MAINTENANCE

New York City has launched a major initiative to achieve efficiencies in fleet operations by consolidating fleets and repair services. In 2011, the City appointed its first Chief Fleet Management Officer, working at the Department of Citywide Administrative Services (DCAS), to implement this initiative in cooperation with the fleet managers of major agencies.

The initiative will have four major components:

- 1) Consolidate citywide fleet operations into three agencies – Police Department, Sanitation Department and Department of Citywide Administrative Services;
- 2) Expand the City’s fleet sustainability program through greater use of biodiesel and electric vehicles;
- 3) Systematically manage the entire fleet through daily performance monitoring and coordinating vehicle acquisition, accident prevention and costs of operation;
- 4) Create new systems for monitoring fuel, sharing cars across agencies and managing auto parts rooms.

Together, the elements of this initiative will transform our fleet operations, improve service, and save money. NYC will leverage innovation and talent throughout the individual agencies to support the common fleet needs of the City as a whole. While these major change efforts are underway, a new set of metrics to measure the performance of this initiative will be identified by the end of FY 2013.

In addition to this report, the Local Law 38 Annual Report contains additional 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. To view the latest Local Law 38 report, prepared by the Department of Environmental Protection (DEP), please visit:

<http://www.nyc.gov/html/dep/pdf/air/local-law-air-reports-fy2011.pdf>.

INDICATORS	FY11 Annual Actual	FY12 Annual Actual
CITYWIDE FLEET SIZE¹	28,849	28,713
o City Managed Fleet	27,087	26,981
- City Funded	24,022	23,904
- Non-City Funded (from grants or donations)	3,065	3,077
o Non-City Managed Fleet (NYCHA, HHC, SCA, DOE Special Investigator)	1,762	1,732
Percentage of Purchased Vehicles Compliant with Local Law 38	93%	98%
Percentage of Alternative Fuel Vehicles in City Managed Fleet	27%	28%

¹See page 38 for the list of agencies that make up the city managed and non-city managed fleets.

VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY11 Annual Actual	FY12 Annual Actual
The following is a detailed fleet breakdown for agencies with the largest city-managed fleets:		
DEPARTMENT OF HEALTH AND MENTAL HYGIENE		
o Total Number of Vehicles	326	284
- Alternative Fuel Vehicles	207	186
- Percentage of agency fleet that is hybrid or alternative fuel (including flex-fuel)	63%	65%
o Light Duty	228	197
- Average Vehicle Age (Months)	73	74
- Average Vehicle Mileage	34,680	38,545
- Mechanical Downtime (%)	1.87%	1.12%
- Average Cost of Maintenance	\$918	\$854
- Accident Downtime (%)	0.84%	0.52%
- Average Cost of Accidents	\$194	\$136
o Medium Duty	93	81
- Average Vehicle Age (Months)	103	112
- Average Vehicle Mileage	63,312	64,731
- Mechanical Downtime (%)	3.56%	4.57%
- Average Cost of Maintenance	\$1,728	\$1,870
- Accident Downtime (%)	0.06%	0.01%
- Average Cost of Accidents	\$14	\$2
o Heavy Duty	5	6
- Average Vehicle Age (Months)	108	102
- Average Vehicle Mileage	16,227	14,273
- Mechanical Downtime (%)	11.48%	9.59%
- Average Cost of Maintenance	\$6,763	\$1,670
- Accident Downtime (%)	0.00%	0.00%
- Average Cost of Accidents	\$0	\$0

VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY11 Annual Actual	FY12 Annual Actual
o Other	0	0
- Average Vehicle Age (Months)	0	0
- Average Vehicle Mileage	N/A	N/A
- Mechanical Downtime (%)	0.00%	0.00%
- Average Cost of Maintenance	\$0	\$0
- Accident Downtime (%)	0.00%	0.00%
- Average Cost of Accidents	\$0	\$0

Applicable Agency Light-Duty and Medium-Duty Vehicle Purchases by California LEV II Standards - DOHMH

o Light Duty Vehicle (LDV) Purchases	2	7
- LDV Purchases - Zero Emission Vehicles (ZEV)	0	0
- LDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	2	7
- Ford Fusion Hybrid	0	6
- Toyota Prius	2	1
- 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	FY11 Annual Actual	FY12 Annual Actual
DEPARTMENT OF ENVIRONMENTAL PROTECTION		
o Total Vehicles	2,083	2,075
- Alternative Fuel Vehicles	611	645
- Percentage of agency fleet that is hybrid or alternative fuel (including flex-fuel)	36%	31%
o Light Duty	755	741
- Average Vehicle Age (Months)	61	70
- Average Vehicle Mileage	52,184	60,542
- Mechanical Downtime (%)	4.10%	3.59%
- Average Cost of Maintenance	\$1,289	\$1,326
- Accident Downtime (%)	0.48%	0.67%
- Average Cost of Accidents	\$208	\$162
o Medium Duty	497	509
- Average Vehicle Age (Months)	77	85
- Average Vehicle Mileage	51,883	56,005
- Mechanical Downtime (%)	4.16%	4.90%
- Average Cost of Maintenance	\$1,875	\$2,313
- Accident Downtime (%)	0.46%	0.38%
- Average Cost of Accidents	\$194	\$265
o Heavy Duty	469	471
- Average Vehicle Age (Months)	104	110
- Average Vehicle Mileage	38,405	40,956
- Mechanical Downtime (%)	12.95%	13.42%
- Average Cost of Maintenance	\$5,294	\$10,392
- Accident Downtime (%)	0.57%	0.65%
- Average Cost of Accidents	\$398	\$370
o Other	362	354
- Average Vehicle Age (Months)	98	106
- Average Vehicle Mileage	N/A	N/A
- Mechanical Downtime (%)	4.76%	4.58%
- Average Cost of Maintenance	\$966	\$1,358
- Accident Downtime (%)	0.00%	0.01%
- Average Cost of Accidents	\$0	\$1

VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY11 Annual Actual	FY12 Annual Actual
Applicable Agency Light-Duty and Medium-Duty Vehicle Purchases by California LEV II Standards - DEP		
o Light Duty Vehicle (LDV) Purchases	14	15
- LDV Purchases - Zero Emission Vehicles (ZEV)	0	0
- LDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	9	9
- Ford Escape Hybrid	8	4
- Ford Fusion Hybrid	1	5
- 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)	5	6
- Ford Expedition	0	6
- Chevrolet Volt	5	0
- LDV Purchases - Low Emission Vehicles (LEV)	0	0
o Medium Duty Vehicle (MDV) Purchases	6	3
- 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)	4	3
- Ford F-250 (LEV II)	1	3
- Ford E-350 (LEV II)	3	0
- MDV Purchases - Ultra Low Emission Vehicles (ULEV)	2	0
- Chevrolet Silverado Hybrid	2	0
- MDV Purchases - Low Emission Vehicles (LEV)	0	0

VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY11 Annual Actual	FY12 Annual Actual
DEPARTMENT OF TRANSPORTATION		
o Total Vehicles	2,672	2,693
- Alternative Fueled Vehicles	617	567
- Percentage of agency fleet that is hybrid or alternative fuel (including flex-fuel)	28%	21%
o Light Duty	719	707
- Average Vehicle Age (Months)	53	60
- Average Vehicle Mileage	34,836	39,714
- Mechanical Downtime (%)	2.98%	3.52%
- Average Cost of Maintenance	\$945	\$993
- Accident Downtime (%)	1.92%	2.45%
- Average Cost of Accidents	\$357	\$416
o Medium Duty	501	511
- Average Vehicle Age (Months)	85	83
- Average Vehicle Mileage	39,123	37,650
- Mechanical Downtime (%)	5.03%	5.98%
- Average Cost of Maintenance	\$1,782	\$1,579
- Accident Downtime (%)	1.27%	0.93%
- Average Cost of Accidents	\$208	\$268
o Heavy Duty	978	977
- Average Vehicle Age (Months)	135	130
- Average Vehicle Mileage	38,754	37,096
- Mechanical Downtime (%)	18.36%	15.89%
- Average Cost of Maintenance	\$9,637	\$7,053
- Accident Downtime (%)	1.07%	0.61%
- Average Cost of Accidents	\$297	\$241
o Other	474	498
- Average Vehicle Age (Months)	142	137
- Average Vehicle Mileage	N/A	N/A
- Mechanical Downtime (%)	5.70%	5.79%
- Average Cost of Maintenance	\$2,804	\$2,057
- Accident Downtime (%)	0.13%	0.42%
- Average Cost of Accidents	\$61	\$38

VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY11 Annual Actual	FY12 Annual Actual
Applicable Agency Light-Duty and Medium-Duty Vehicle Purchases by California LEV II Standards - DOT		
o Light Duty Vehicle (LDV) Purchases	32	18
- LDV Purchases - Zero Emission Vehicles (ZEV)	2	0
- Ford Transit Connect EV	2	0
- LDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	12	6
- Ford Escape Hybrid	5	0
- Toyota Prius	7	6
- LDV Purchases - Partial Zero Emission Vehicles (PZEV)	0	0
- LDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	0	2
- Toyota Highlander Hybrid	0	2
- LDV Purchases - Ultra Low Emission Vehicles (ULEV)	18	10
- Ford F-150	0	10
- Chevrolet Volt	7	0
- Dodge Caravan	3	0
- Ford Ranger	8	0
- LDV Purchases - Low Emission Vehicles (LEV)	0	0
o Medium Duty Vehicle (MDV) Purchases	26	33
- 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)	11	31
- Ford F-250	0	12
- Ford E-350	0	19
- Ford F-250 (LEV II)	11	0
- MDV Purchases - Ultra Low Emission Vehicles (ULEV)	15	2
- Chevrolet Silverado Hybrid	15	2
- MDV Purchases - Low Emission Vehicles (LEV)	0	0

VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY11 Annual Actual	FY12 Annual Actual
DEPARTMENT OF CITYWIDE ADMINISTRATIVE SERVICES		
(See "List of Agencies in the Citywide Fleet" for detailed list of agencies included under "DCAS")		
o Total Vehicles	2,624	2,540
- DCAS-owned	227	189
- Client-owned	2,031	1,985
- DOE	305	305
- DOI	61	61
- Alternative Fuel Vehicles	1,323	1,336
- Percentage of agency fleet that is hybrid or alternative fuel (including flex-fuel)	53%	53%
The following is a detailed fleet breakdown of the DCAS-owned and Client-owned vehicles only:		
o Light Duty	1,707	1,645
- Average Vehicle Age (Months)	59	63
- Average Vehicle Mileage	36,845	38,154
- Mechanical Downtime (%)	1.19%	2.22%
- Average Cost of Maintenance	\$1,008	\$1,743
- Accident Downtime (%)	0.68%	0.56%
- Average Cost of Accidents	\$196	\$167
o Medium Duty	372	354
- Average Vehicle Age (Months)	85	75
- Average Vehicle Mileage	42,474	31,464
- Mechanical Downtime (%)	1.19%	2.22%
- Average Cost of Maintenance	\$1,446	\$1,937
- Accident Downtime (%)	0.23%	0.32%
- Average Cost of Accidents	\$83	\$123
o Heavy Duty	74	74
- Average Vehicle Age (Months)	90	69
- Average Vehicle Mileage	19,477	14,588
- Mechanical Downtime (%)	1.19%	2.22%
- Average Cost of Maintenance	\$2,876	\$3,674
- Accident Downtime (%)	0.22%	0.02%
- Average Cost of Accidents	\$15	\$23

VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY11 Annual Actual	FY12 Annual Actual
o Other Vehicles	105	101
- Average Vehicle Age (Months)	92	101
- Average Vehicle Mileage	N/A	N/A
- Mechanical Downtime (%)	1.19%	2.22%
- Average Cost of Maintenance	\$128	\$269
- Accident Downtime (%)	0.00%	0.10%
- Average Cost of Accidents	\$0	\$0

Applicable Agency Light-Duty and Medium-Duty Vehicle Purchases by California LEV II Standards - DCAS

o Light Duty Vehicle (LDV) Purchases	93	157
- LDV Purchases - Zero Emission Vehicles (ZEV)	2	0
- Ford Transit Connect EV	2	0
- LDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	79	90
- Ford Escape Hybrid	2	7
- Ford Fusion Hybrid	11	55
- Toyota Prius Plug-In	0	5
- Nissan Altima Hybrid	23	0
- Toyota Prius	43	23
- LDV Purchases - Partial Zero Emission Vehicles (PZEV)	2	0
- Toyota Camry Hybrid	2	0
- LDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	4	24
- Toyota Highlander Hybrid	0	17
- Ford E-150	4	7
- LDV Purchases - Ultra Low Emission Vehicles (ULEV)	6	42
- Chevrolet Tahoe Hybrid	0	8
- Chevrolet Volt	2	26
- Ford F-150	0	6
- Ford Taurus	1	2
- Ford Expedition	3	0
- LDV Purchases - Low Emission Vehicles (LEV)	0	1
- Chevrolet Suburban	0	1
o Medium Duty Vehicle (MDV) Purchases	4	56
- 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)	4	54
- Ford E-250	1	0
- Ford E-350	2	52
- Ford F-250	1	2
- MDV Purchases - Ultra Low Emission Vehicles (ULEV)	0	0
- MDV Purchases - Low Emission Vehicles (LEV)	0	2

VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY11 Annual Actual	FY12 Annual Actual
- Chevrolet Express	0	2
DEPARTMENT OF SANITATION		
o Total Vehicles	5,408	5,532
- Alternative Fuel Vehicles	932	787
- Percentage of agency fleet that is hybrid or alternative fuel (including flex-fuel)	18%	14%
o Light Duty	974	999
- Average Vehicle Age (Months)	64	NA
- Average Vehicle Mileage	37,660	NA
- Mechanical Downtime (%)	12.1%	NA
- Average Cost of Maintenance	NA	NA
- Accident Downtime (%)	NA	NA
- Average Cost of Accidents	\$1,451	NA
o Medium Duty	282	282
- Average Vehicle Age (Months)	77	NA
- Average Vehicle Mileage	19,924	NA
- Mechanical Downtime (%)	15.8%	NA
- Average Cost of Maintenance	NA	NA
- Accident Downtime (%)	NA	NA
- Average Cost of Accidents	NA	NA
o Heavy Duty	3,903	3,904
- Average Vehicle Age (Months)	61	NA
- Average Vehicle Mileage	22,514	NA
- Mechanical Downtime (%)	15.8%	NA
- Average Cost of Maintenance	NA	NA
- Accident Downtime (%)	NA	NA
- Average Cost of Accidents	NA	NA
o Other	249	347
- Average Vehicle Age (Months)	92	NA
- Average Vehicle Mileage	NA	NA
- Mechanical Downtime (%)	7.3%	NA
- Average Cost of Maintenance	NA	NA
- Accident Downtime (%)	NA	NA
- Average Cost of Accidents	NA	NA

VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY11 Annual Actual	FY12 Annual Actual
Applicable Agency Light-Duty and Medium-Duty Vehicle Purchases by California LEV II Standards - DSNY		
o Light Duty Vehicle (LDV) Purchases	48	117
- LDV Purchases - Zero Emission Vehicles (ZEV)	2	0
- Ford Transit Connect	2	0
- LDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	34	103
- Ford Escape Hybrid	0	87
- Ford Fusion Hybrid	0	16
- Toyota Prius	34	0
- LDV Purchases - Partial Zero Emission Vehicles (PZEV)	5	0
- Toyota Camry Hybrid	5	0
- LDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	0	0
- LDV Purchases - Ultra Low Emission Vehicles (ULEV)	7	14
- Chevrolet Volt	7	14
- LDV Purchases - Low Emission Vehicles (LEV)	0	0
o Medium Duty Vehicle (MDV) Purchases	26	4
- 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)	26	4
- Ford E-350	26	0
- Ford F-250	0	4
- MDV Purchases - Ultra Low Emission Vehicles (ULEV)	0	0
- MDV Purchases - Low Emission Vehicles (LEV)	0	0

VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY11 Annual Actual	FY12 Annual Actual
DEPARTMENT OF PARKS AND RECREATION		
o Total Vehicles	2,596	2,485
- Alternative Fuel Vehicles	661	674
- Percentage of agency fleet that is hybrid or alternative fuel (including flex-fuel)	36%	27%
o Light Duty	576	587
- Average Vehicle Age (Months)	54	53
- Average Vehicle Mileage	24,357	24,314
- Mechanical Downtime (%)	1.13%	0.67%
- Average Cost of Maintenance	\$1,224	\$2,195
- Accident Downtime (%)	0.08%	0.03%
- Average Cost of Accidents	\$2	\$1
o Medium Duty	871	803
- Average Vehicle Age (Months)	72	72
- Average Vehicle Mileage	30,800	30,790
- Mechanical Downtime (%)	2.73%	1.88%
- Average Cost of Maintenance	\$1,512	\$4,671
- Accident Downtime (%)	0.05%	0.07%
- Average Cost of Accidents	\$19	\$11
o Heavy Duty	392	356
- Average Vehicle Age (Months)	81	81
- Average Vehicle Mileage	24,271	24,577
- Mechanical Downtime (%)	9.29%	8.01%
- Average Cost of Maintenance	\$2,159	\$7,001
- Accident Downtime (%)	0.00%	0.18%
- Average Cost of Accidents	\$10	\$10
o Other	757	739
- Average Vehicle Age (Months)	94	100
- Average Vehicle Mileage	N/A	N/A
- Mechanical Downtime (%)	4.55%	27.17%
- Average Cost of Maintenance	\$617	\$3,695
- Accident Downtime (%)	0.02%	0.36%
- Average Cost of Accidents	\$6	\$25

VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY11 Annual Actual	FY12 Annual Actual
Applicable Agency Light-Duty and Medium-Duty Vehicle Purchases by California LEV II Standards - DPR		
o Light Duty Vehicle (LDV) Purchases	34	77
- LDV Purchases - Zero Emission Vehicles (ZEV)	0	0
- LDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	25	67
- Ford Escape Hybrid	0	6
- Toyota Prius	25	61
- 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)	9	10
- Chevrolet Volt	9	10
- LDV Purchases - Low Emission Vehicles (LEV)	0	0
o Medium Duty Vehicle (MDV) Purchases	1	77
- 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)	1	72
- Ford E-250	0	1
- Ford E-350	0	30
- Ford F-250	0	41
- Ford F-250 (LEV II)	1	0
- MDV Purchases - Ultra Low Emission Vehicles (ULEV)	0	0
- MDV Purchases - Low Emission Vehicles (LEV)	0	5
- Chevrolet Express	0	5

VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY11 Annual Actual	FY12 Annual Actual
POLICE DEPARTMENT		
o Total Vehicles	8,702	8,646
- Alternative Fuel Vehicles	2,288	1,226
- Percentage of agency fleet that is hybrid or alternative fuel (including flex-fuel)	27%	14%
o Light Duty	6,944	6,739
- Average Vehicle Age (Months)	42	45
- Average Vehicle Mileage	20,080	29,049
- Mechanical Downtime (%)	2.96%	3.22%
- Average Cost of Maintenance	\$1,327	\$1,362
- Accident Downtime (%)	0.96%	0.93%
- Average Cost of Accidents	\$227	\$234
o Medium Duty	1,117	1,242
- Average Vehicle Age (Months)	52	51
- Average Vehicle Mileage	23,685	24,017
- Mechanical Downtime (%)	3.58%	3.07%
- Average Cost of Maintenance	\$1,277	\$1,118
- Accident Downtime (%)	0.50%	0.49%
- Average Cost of Accidents	\$121	\$137
o Heavy Duty	333	337
- Average Vehicle Age (Months)	74	84
- Average Vehicle Mileage	32,377	38,148
- Mechanical Downtime (%)	8.12%	9.84%
- Average Cost of Maintenance	\$3,547	\$3,849
- Accident Downtime (%)	0.48%	0.22%
- Average Cost of Accidents	\$133	\$107
o Other	308	328
- Average Vehicle Age (Months)	105	112
- Average Vehicle Mileage	N/A	N/A
- Mechanical Downtime (%)	3.00%	3.28%
- Average Cost of Maintenance	\$538	\$761
- Accident Downtime (%)	0.00%	0.13%
- Average Cost of Accidents	\$2	\$12

VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY11 Annual Actual	FY12 Annual Actual
Applicable Agency Light-Duty and Medium-Duty Vehicle Purchases by California LEV II Standards - NYPD		
o Light Duty Vehicle (LDV) Purchases	406	268
- LDV Purchases - Zero Emission Vehicles (ZEV)	30	0
- T3 Transporter	30	0
- LDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	355	262
- Ford Escape Hybrid	37	32
- Ford Fusion Hybrid	196	214
- Toyota Camry Hybrid	0	1
- Nissan Altima Hybrid	100	0
- Toyota Prius	22	15
- 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)	21	4
- Chevrolet Tahoe Hybrid	0	3
- Ford F-150	0	1
- Chevrolet Volt	20	0
- Dodge Caravan	1	0
- LDV Purchases - Low Emission Vehicles (LEV)	0	2
- GMC Yukon Hybrid	0	2
o Medium Duty Vehicle (MDV) Purchases	1	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)	0	6
- Ford E-250	0	2
- Ford E-350	0	4
- MDV Purchases - Ultra Low Emission Vehicles (ULEV)	1	0
- Chevrolet Silverado Hybrid	1	0
- MDV Purchases - Low Emission Vehicles (LEV)	0	0

VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY11 Annual Actual	FY12 Annual Actual
FIRE DEPARTMENT		
o Total Vehicles	2,149	2,211
- Alternative Fuel Vehicles	81	102
- Percentage of agency fleet that is hybrid or alternative fuel (including flex-fuel)	4%	5%
o Vehicle Inventory		
- Engines	280	271
- Ladders	189	178
- Rescue/Hazardous Materials	24	23
- Ambulances	410	406
- Support Vehicles	1,246	1,336
The following is a detailed fleet breakdown by vehicle inventory:		
o Engines	280	271
- Average Vehicle Age (Months)	98	107
- Average Vehicle Mileage	55,977	60,194
- Mechanical Downtime (%)	19.89%	24.27%
- Average Cost of Maintenance	\$11,789	\$12,193
- Accident Downtime (%)	1.18%	0.42%
- Average Cost of Accidents	\$288	\$184
o Ladders	189	178
- Average Vehicle Age (Months)	128	136
- Average Vehicle Mileage	62,224	66,208
- Mechanical Downtime (%)	19.51%	23.54%
- Average Cost of Maintenance	\$29,872	\$28,274
- Accident Downtime (%)	0.74%	0.73%
- Average Cost of Accidents	\$500	\$1,076
o Rescue/Hazardous Materials	24	23
- Average Vehicle Age (Months)	132	139
- Average Vehicle Mileage	69,971	66,341
- Mechanical Downtime (%)	21.99%	27.11%
- Average Cost of Maintenance	\$15,922	\$9,013
- Accident Downtime (%)	0.08%	0.00%
- Average Cost of Accidents	\$14	\$0

VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY11 Annual Actual	FY12 Annual Actual
o Ambulances	410	406
- Average Vehicle Age (Months)	62	74
- Average Vehicle Mileage	75,187	89,230
- Mechanical Downtime (%)	14.03%	14.92%
- Average Cost of Maintenance	\$9,984	\$11,384
- Accident Downtime (%)	2.24%	3.68%
- Average Cost of Accidents	\$1,099	\$1,337
Support Vehicles:		
o Light Duty	362	350
- Average Vehicle Age (Months)	77	83
- Average Vehicle Mileage	65,715	70,053
- Mechanical Downtime (%)	9.16%	8.61%
- Average Cost of Maintenance	\$1,605	\$1,524
- Accident Downtime (%)	1.02%	0.89%
- Average Cost of Accidents	\$263	\$229
o Medium Duty	629	689
- Average Vehicle Age (Months)	86	91
- Average Vehicle Mileage	62,631	64,997
- Mechanical Downtime (%)	16.08%	13.05%
- Average Cost of Maintenance	\$4,243	\$4,305
- Accident Downtime (%)	1.51%	1.41%
- Average Cost of Accidents	\$575	\$431
o Heavy Duty	164	187
- Average Vehicle Age (Months)	65	64
- Average Vehicle Mileage	16,639	18,251
- Mechanical Downtime (%)	11.26%	13.09%
- Average Cost of Maintenance	\$3,013	\$4,610
- Accident Downtime (%)	0.31%	0.67%
- Average Cost of Accidents	\$140	\$135
o Other	91	107
- Average Vehicle Age (Months)	143	142
- Average Vehicle Mileage	N/A	N/A
- Mechanical Downtime (%)	7.67%	11.69%
- Average Cost of Maintenance	\$2,081	\$1,515
- Accident Downtime (%)	0.31%	1.15%
- Average Cost of Accidents	\$199	\$343

VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY11 Annual Actual	FY12 Annual Actual
Applicable Agency Light-Duty and Medium-Duty Vehicle Purchases by California LEV II Standards - FDNY		
o Light Duty Vehicle (LDV) Purchases	15	0
- LDV Purchases - Zero Emission Vehicles (ZEV)	2	0
- Ford Transit Connect	2	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)	13	0
- Ford Taurus	13	0
- LDV Purchases - Low Emission Vehicles (LEV)	0	0
o Medium Duty Vehicle (MDV) Purchases	0	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	1
- Ford F-250	0	1
- MDV Purchases - Ultra Low Emission Vehicles (ULEV)	0	0
- MDV Purchases - Low Emission Vehicles (LEV)	0	0

VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY11 Annual Actual	FY12 Annual Actual
DEPARTMENT OF CORRECTION		
o Total Vehicles	527	515
- Alternative Fuel Vehicles	105	60
- Percentage of agency fleet that is hybrid or alternative fuel (including flex-fuel)	21%	12%
o Light Duty	143	159
- Average Vehicle Age (Months)	81	85
- Average Vehicle Mileage	73,652	61,445
- Mechanical Downtime (%)	6.74%	3.75%
- Average Cost of Maintenance	\$1,328	\$1,247
- Accident Downtime (%)	0.65%	0.44%
- Average Cost of Accidents	\$105	\$88
o Medium Duty	157	152
- Average Vehicle Age (Months)	68	75
- Average Vehicle Mileage	51,932	54,469
- Mechanical Downtime (%)	6.95%	4.67%
- Average Cost of Maintenance	\$1,407	\$1,537
- Accident Downtime (%)	0.46%	0.61%
- Average Cost of Accidents	\$40	\$134
o Heavy Duty	197	182
- Average Vehicle Age (Months)	83	88
- Average Vehicle Mileage	50,192	51,125
- Mechanical Downtime (%)	10.70%	8.82%
- Average Cost of Maintenance	\$3,248	\$3,544
- Accident Downtime (%)	0.06%	0.20%
- Average Cost of Accidents	\$26	\$96
o Other	30	22
- Average Vehicle Age (Months)	177	189
- Average Vehicle Mileage	N/A	N/A
- Mechanical Downtime (%)	1.53%	1.29%
- Average Cost of Maintenance	\$322	\$789
- Accident Downtime (%)	0.00%	0.00%
- Average Cost of Accidents	\$0	\$0

VEHICLE FLEETS AND MAINTENANCE

INDICATORS	FY11 Annual Actual	FY12 Annual Actual
Applicable Agency Light-Duty and Medium-Duty Vehicle Purchases by California LEV II Standards - DOC		
o Light Duty Vehicle (LDV) Purchases	14	37
- LDV Purchases - Zero Emission Vehicles (ZEV)	2	2
- Ford Transit Connect EV	2	2
- LDV Purchases - Advanced Technology Partial Zero Emission Vehicles (ATPZEV)	1	23
- Ford Escape Hybrid	1	1
- Ford Fusion Hybrid	0	22
- LDV Purchases - Partial Zero Emission Vehicles (PZEV)	0	0
- LDV Purchases - Super Ultra Low Emission Vehicles (SULEV)	7	11
- Ford E-150	0	6
- Toyota Highlander Hybrid	7	5
- LDV Purchases - Ultra Low Emission Vehicles (ULEV)	4	0
- Ford Taurus	4	0
- LDV Purchases - Low Emission Vehicles (LEV)	0	1
- GMC Yukon	0	1
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

DEFINITIONS

CITYWIDE FLEET SIZE: The total number of vehicles in the city managed and non-city managed fleets. See page 23 for a list of agencies in each category.

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

City Funded: The total number of city managed vehicles that were purchased with tax-levy or city funds.

Non-City Funded: The total number of city managed vehicles that were purchased with grant funds or donated by another entity.

o **Non-City Managed Fleet:** The total number of vehicles in the non-city managed fleet purchased with either tax-levy, city funds, grant funds, or donated by another entity.

Percentage of Purchased Vehicles Compliant with Local Law 38: The percentage of light-duty vehicles purchased for the City through DCAS that are certified with the highest ratings defined by California Low-Emission Vehicle (LEV) II standards. The three highest ratings are zero emission vehicles (ZEV), 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.

Percentage of Alternative Fuel Vehicles in City Managed Fleet: The percentage of vehicles in the city managed fleet that is hybrid or using alternative fuel (including flex-fuel). This calculation does not include vehicles in the "Other" subgroup.

Subgroup Definitions:

Total Number of Vehicles – The total number of vehicles owned by this agency.

Alternative Fuel Vehicles – The total number of vehicles that are hybrid or using alternative fuel (including flex-fuel).

Percentage of Alternative Fuel Vehicles – The percentage of vehicles out of the total number of vehicles owned by this agency that is hybrid or using alternative fuel (including flex-fuel). The total number of vehicles does not include fleet vehicles that do not use fuel (for example, trailers).

Light Duty – A vehicle or piece of equipment with a gross vehicle weight rating of 8,500 pounds or less. (Examples: most Nissan Altimas, Ford Escapes, Ford E-150s)

Medium Duty – A vehicle or piece of equipment with a gross vehicle weight rating of more than 8,500, but not more than 14,000 pounds. (Examples: most Chevrolet Suburbans, Ford-350s)

Heavy Duty – A vehicle or piece of equipment with a gross vehicle weight rating of more than 14,000 pounds. (Examples: most Mack TerraPros, Freightliner M2s)

Other – Forklifts, trailers, and all other off-road equipment.

VEHICLE FLEETS AND MAINTENANCE

DEFINITIONS

Agency Specific Indicators: For the agencies in the city managed fleet, with the exceptions noted below, statistics are reported for each of the following subgroups: light, medium, heavy, and other. All city and non-city funded vehicles are included in calculation. Note: FDNY also reports the following vehicle subgroups: engines, ladders, rescue/hazardous materials, and ambulances.

Average Vehicle Age (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/PMR reporting period).

Average Vehicle Mileage – The average odometer reading of all vehicles.

Mechanical Downtime (%) – The average mechanical downtime for all vehicles.

Average (Per Vehicle) Cost of Maintenance – The average cost to repair all vehicles.

Accident Downtime (%) – The average accident downtime for all vehicles.

Average (Per Vehicle) Cost of Accidents – The average cost of repair for vehicles involved in accidents.

VEHICLE FLEETS AND MAINTENANCE

LIST OF AGENCIES IN THE CITYWIDE FLEET

City Managed Fleet

Department of Citywide Administrative Services*	New York City Fire Department
Department of Environmental Protection	New York City Police Department
Department of Correction	Department of Transportation
Department of Parks and Recreation	Department of Sanitation
Department of Health and Mental Hygiene	

*"Department of Citywide Administrative Services" includes the following agencies:

Administration of Children's Services	Department of Youth and Community Development
Board of Elections	Financial Information Services Agency
Bronx Borough President	GrowNY (formerly known as "Council on the Environment")
Brooklyn Borough President	Human Resources Administration
Business Integrity Commission	Landmarks Preservation Commission
Campaign Finance Board	Law Department
City Commission on Human Rights	Manhattan Borough President
City Council	Mayor's Office
Civilian Complaint Review Board	NYC Economic Development Corporation
Department for the Aging	Office of Administrative Trials and Hearings
Department of Buildings	Office of Chief Medical Examiner
Department of City Planning	Office of Emergency Management
Department of Citywide Administrative Services	Office of Labor Relations
Department of Consumer Affairs	Office of Management and Budget
Department of Cultural Affairs	Office of Payroll Administration
Department of Design and Construction	Office of the City Clerk
Department of Education	Office of the Comptroller
Department of Finance	Office of the Public Advocate
Department of Homeless Services	Queens Borough President
Department of Housing Preservation and Development	Sheriff's Office
Department of Information Technology and Telecommunications	Sports Commission
Department of Investigation	Staten Island Borough President
Department of Probation	Tax Commission
Department of Records and Information Services	Taxi and Limousine Commission
Department of Small Business Services	

Non-City Managed Fleet

Health and Hospitals Corporation
New York City Housing Authority
School Construction Authority
Office of Special Investigator for Schools at Department of Education