

## LONDON BUS FLEET AUDIT

### 31 March 2016

This is an annual audit of the London Bus contracted fleet using data collated on 31 March 2016. This is the 16th such annual audit and this report presents the results and makes comparisons with the audits undertaken over the previous years.

#### 1. Summary

This year's fleet size of 9,186 buses represents an increase of 204 buses in comparison to last year's fleet total of 8,977. The fleet total includes: 22 Electric buses and 1,743 Hybrid buses (including new 736 new Routemasters and 8 Fuel Cell buses). Apart from 10 vintage Routemasters running on one heritage route in central London, the Capital's entire bus fleet is low-floor and wheelchair accessible. The number of hybrid buses has increased from 1,262 last year to 1,743 this year.

#### 2. London Bus fleet by Age and Type at 31 March 2016

Overall Fleet										
Year	Age	DD	SD	RM	NRM	Diesel	Electric	Fuel Cell	Hybrid	Total
1960	56	1	-	1	-	-	-	-	-	1
1961	55	1	-	1	-	-	-	-	-	1
1962	54	1	-	1	-	-	-	-	-	1
1963	53	-	-	-	-	-	-	-	-	0
1964	52	7	-	7	-	-	-	-	-	7
1996	20	-	-	-	-	-	-	-	-	0
1997	19	-	-	-	-	-	-	-	-	0
1998	18	-	-	-	-	-	-	-	-	0
1999	17	-	-	-	-	-	-	-	-	0
2000	16	-	-	-	-	-	-	-	-	0
2001	15	14	6	-	-	20	-	-	-	20
2002	14	241	126	-	-	367	-	-	-	367
2003	13	504	122	-	-	626	-	-	-	626
2004	12	400	28	-	-	428	-	-	-	428
2005	11	277	75	-	-	352	-	-	-	352
2006	10	255	141	-	-	390	-	-	6	396
2007	9	155	159	-	-	314	-	-	-	314
2008	8	240	209	-	-	443	-	-	6	449
2009	7	691	412	-	-	1085	-	-	18	1103
2010	6	560	242	-	-	760	-	3	39	802
2011	5	739	406	-	-	1041	-	2	102	1145
2012	4	686	298	-	7	874	-	-	103	984
2013	3	574	137	-	111	344	2	3	251	711
2014	2	498	95	-	272	144	6	-	171	593
2015	1	565	201	-	272	207	9	-	278	766
2016	0	117	3	-	74	16	5	-	25	120
<b>Total</b>		<b>6526</b>	<b>2660</b>	<b>10</b>	<b>736</b>	<b>7411</b>	<b>22</b>	<b>8</b>	<b>999</b>	<b>9186</b>
										<b>9186</b>

### 3. London Bus fleet by Type 2011 - 2016

Bus Type	Drive train type	2011	2012	2013	2014	2015	2016
New Routemaster	Hybrid	0	5	8	168	432	736
Routemaster	Diesel	18	19	20	19	19	10
Artic	Diesel	260	0	0	0	0	0
Single deck	Diesel	2,670	2,661	2,608	2,606	2,662	2,617
	Fuel Cell/Hybrid	5	5	5	8	8	8
	Hybrid	27	33	28	23	23	18
	Electric	0	0	0	2	8	17
Double deck	Diesel	5,487	5,787	5,696	5,296	5,026	4,794
	Hybrid	79	233	352	643	799	981
	Electric	0	0	0	0	0	5
<b>TOTAL</b>		<b>8,546</b>	<b>8,743</b>	<b>8,717</b>	<b>8,765</b>	<b>8,977</b>	<b>9,186</b>

### 4. London Bus fleet by Euro standards 2006 -2016

TYPE	2006	2007	2008	2009	2010	2011	2012	2013	2015	2016
Euro VI	-	-	-	-	-	-	-	2	449	1194
EEV	-	-	25	25	308	490	463	858	616	631
Euro V	-	-	-	-	441	928	2263	2660	3687	3633
Euro IV	4	217	565	1180	1671	1754	1989	1771	1625	1628
Euro III	4664	4970	4885	4721	4152	3953	3246	3116	2534	2060
Euro II	3268	2994	2851	2596	2052	1425	777	305	50	10
Pre & Euro I	28	-	-	-	-	-	-	-	-	-
<b>Fleet Total</b>	<b>7964</b>	<b>8181</b>	<b>8326</b>	<b>8522</b>	<b>8624</b>	<b>8550</b>	<b>8738</b>	<b>8712</b>	<b>8977</b>	<b>9186</b>
Fuel Cell	3	-	-	-	-	5	5	5	8	8
Electric	-	-	-	-	-	-	-	-	8	22
Hybrid	1	7	13	30	56	106	266	388	822	999
NRM	-	-	-	-	-	-	1	8	432	736

All of the Euro III buses have been adapted to reduce emission to the equivalent of Euro IV standard or better.

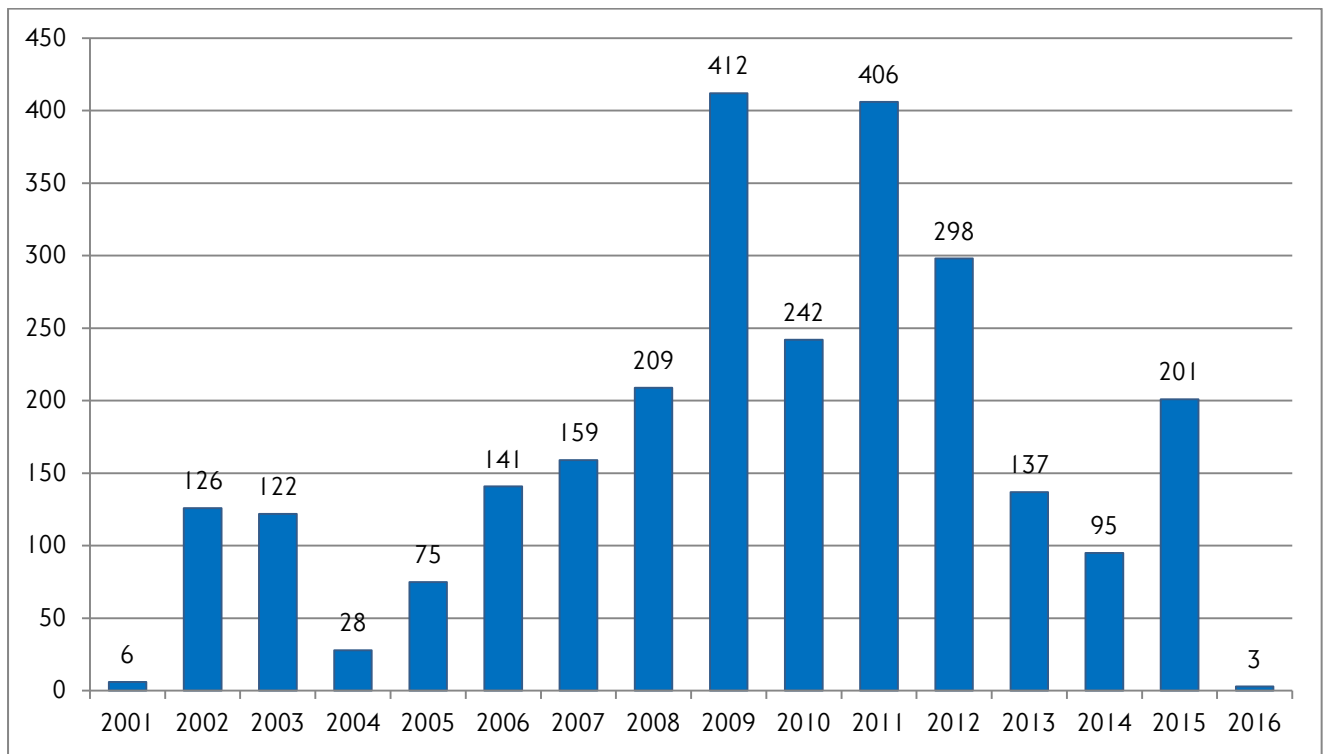
Vehicle Type			
Fuel	Body Type	EU Standard	2016
Diesel	Single deck	Euro II	0
		Euro III + DPF	0
		<b>Euro III + SCR</b>	<b>456</b>
		Euro IV	705
		Euro V	1067
		EEV	91
	Double deck	Euro VI	298
		Euro II	0
		Euro III + DPF	0
		<b>Euro III + SCR</b>	<b>1598</b>
		Euro IV	905
		Euro V	1787
		EEV	455
Hybrid	Single deck	Euro VI	49
		Euro IV	12
	Double deck	Euro V	6
		Euro IV	12
		Euro V	539
		EEV	85
		Euro VI	345
NRM	Double deck	Euro V	234
		Euro VI	502
RM	Double deck	Euro II	10
Fuel cell	Single deck	Zero Emission	8
Electric	Single deck	Zero Emission	22
<b>Total</b>			<b>9186</b>

5. London Bus fleet by operator and EU standard.

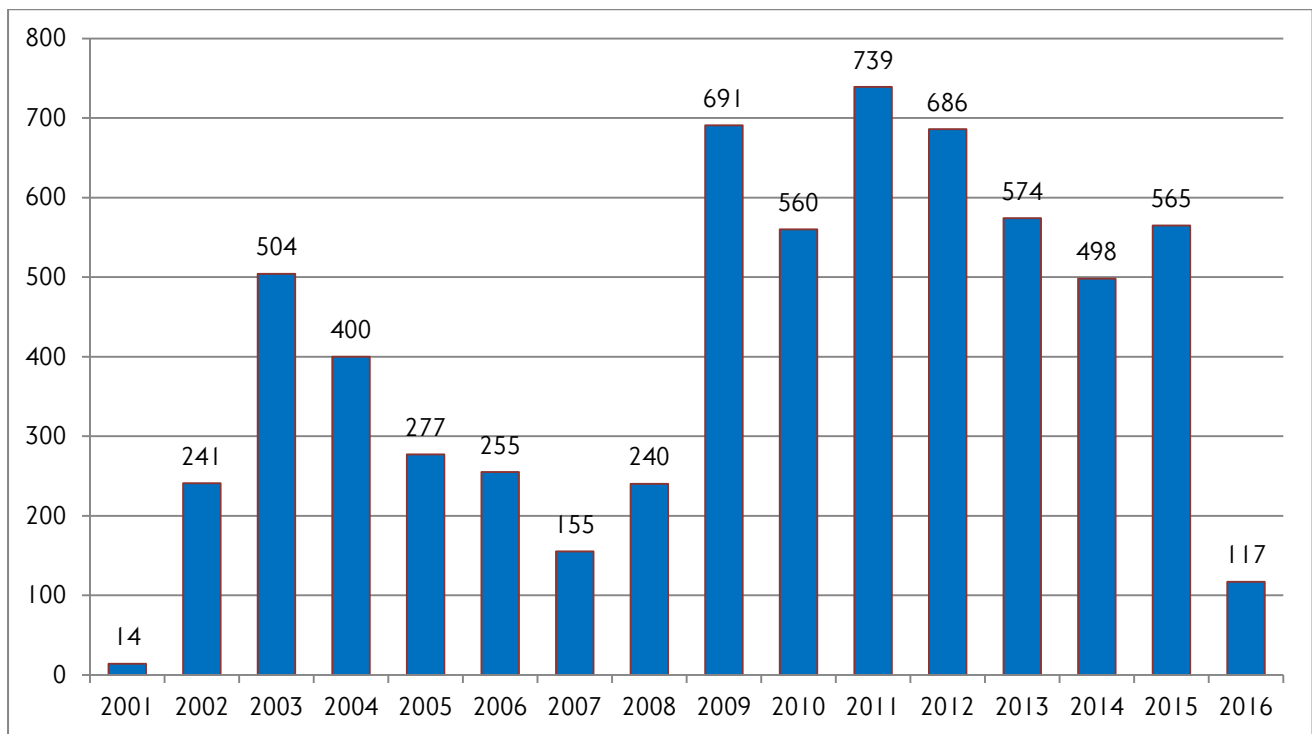
Vehicle Type												
Fuel	Body Type	EU Standard	Abellio	Arriva Group	CT Plus	Go Ahead Group	RATP	Metroline	Stagecoach	Sullivan Buses	Tower Transit	University Bus
Diesel	Single deck	Euro III + SCR	70	81	9	170	73	26	27	-	-	-
		Euro IV	13	119	8	125	107	266	61	-	5	1
		Euro V	129	71	39	296	185	147	115	6	79	-
		EEV	-	-	-	50	23	-	18	-	-	-
		Euro VI	71	7	1	127	28	20	8	-	32	4
	Double deck	Euro III + SCR	105	260	12	428	145	263	306	5	74	-
		Euro IV	41	120	1	286	99	212	133	9	4	-
		Euro V	140	562	22	434	85	143	283	6	112	-
		EEV	-	-	-	-	103	283	5	-	64	-
		Euro VI	3	2	-	6	5	1	17	-	15	-
Hybrid	Single deck	Euro IV	-	-	-	7	5	-	-	-	-	-
		Euro V	-	-	-	6	-	-	-	-	-	-
	Double deck	Euro IV	-	-	-	5	2	5	-	-	-	-
		Euro V	7	152	-	64	23	131	162	-	-	-
		EEV	9	-	-	-	49	5	-	-	22	-
		Euro VI	88	19	-	84	29	73	41	-	11	-
NRM	Double deck	Euro V	-	69	-	30	80	55	-	-	-	-
		Euro VI	62	163	-	129	2	45	101	-	-	-
RM	Double deck	Euro II	-	-	-	-	-	10	-	-	-	
Fuel cell	Single deck	Zero Emission	-	-	-	-	-	-	-	-	8	-
Electric	Single deck	Zero Emission	-	9	-	4	4	5	-	-	-	-
<b>Total</b>			738	1634	92	2251	1047	1680	1287	26	426	5

6. Further information is provided by the attached supporting graphs:

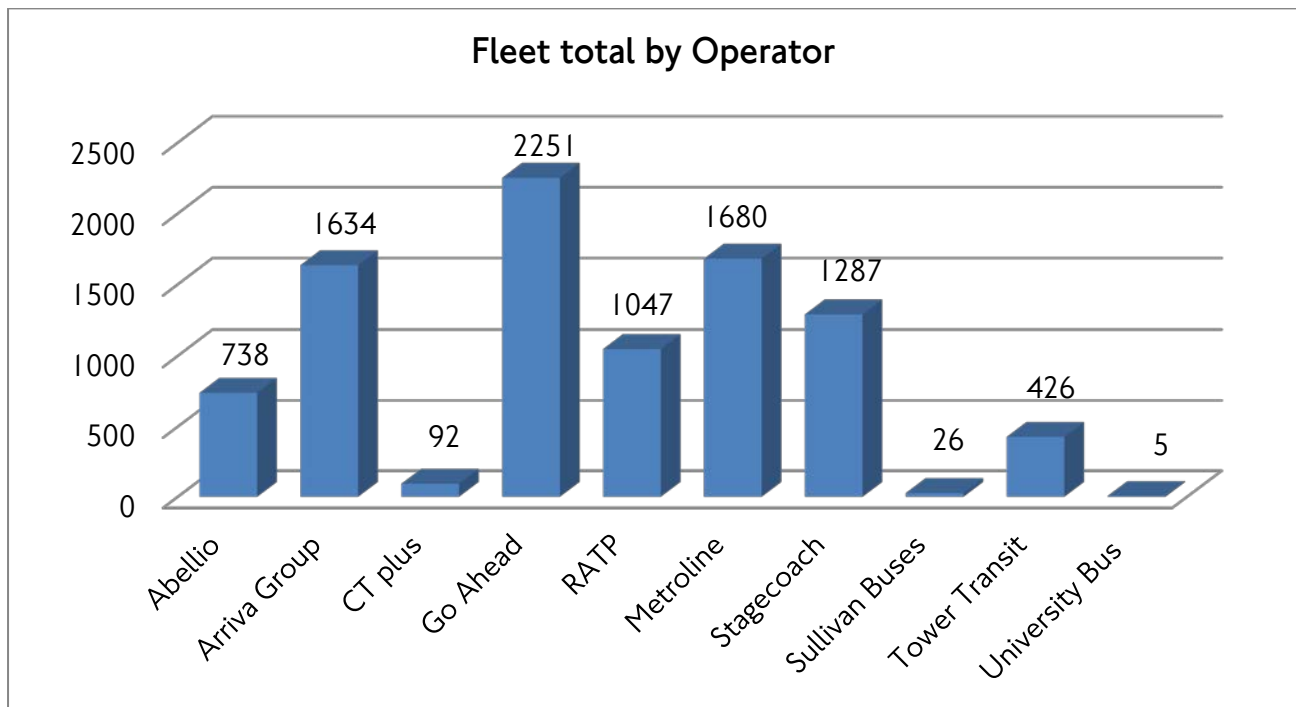
I) London Single Deck Buses Age Profile on 31 March 2016



II) London Double Deck Buses(Excl. Routemaster) Age Profile on 31 March 2016



III) London Bus Fleet by Operator on 31 March 2016



IV) London Bus Fleet by Average Age on 31 March 2016

