Buckinghamshire and Milton Keynes Fire & Rescue - Core Statistics

Fire Authority Paper – Stats Appendix Overview

Back to the Future – Figure 1

- 2013/14 has the lowest incidents attended since 1988/89.
- In the ten years between 2003/04 and 2013/14, incidents attended fell by approximately 5,000 (45%).
- In the 30 years since 1983/84, incidents attended has risen by approximately 800 (15%).

Activity past Fifteen Years by Station, District and Authority Areas – Figure 2

- Total number of 999 calls in the Authority area has fallen from 17,107 in 2000/01 to 14,634 in 2014/15 (15%).
- Activity in the Authority has fallen from 10,340 incidents in 2000/01 to 6,266 incidents in 2014/15 (40%).
- Activity in Milton Keynes has fallen from 3,799 incidents in 2000/01 to 2,381 incidents in 2014/15 (38%).
- Activity in Buckinghamshire has fallen from 6,541 incidents in 2000/01 to 3,885 incidents in 2014/15 (40%).
- Activity at Great Holm Fire Station has fallen from 1,313 incidents in 2000/01 to 776 incidents in 2014/15 (41%).
- Activity at Bletchley Fire Station has fallen from 1,106 incidents in 2000/01 to 657 incidents in 1014/15 (41%).
- Activity at Great Holm and Bletchley Fire Stations combined has fallen from 2,419 incidents in 2000/01 to 1,433 incidents in 2014/15 (41%).

Fifteen Year Trend – Figure 3

- Total number of calls fell from 2000/01 to 2014/15, approximately dropping from 17,000 to 14,500 (15%).
- Total number of incidents fell from 2000/01 to 2014/15 also, approximately dropping from 10,500 to 6,000 (43%).
- 2014/15 has the lowest amount of calls since 2002/03.
- 2014/15 incidents were the lowest since before 2000/01.

Fifteen Year Trend by Authority Area – Figure 4

- Incidents attended in Buckinghamshire in 2014/15 were 4,000 down from the 6,500 in 2000/01 (<39%).
- Incidents attended in Milton Keynes in 2014/15 were 2,400 down from the 3,800 in 2000/01 (<36%).

Those Incidents that Exceeded 10 Minutes – Figure 5

- Data provided from the year 2013/14.

The Number of Incidents over the Past 15 Years – per 10,000 Population – Figure 6

- The total incidents in Buckinghamshire per 10,000 population fell from 137 in 2000/01 to 74 in 2014/15 (46%).
- The total incidents in Milton Keynes per 10,000 population fell from 181 in 2000/01 to 92 in 2014/15 (49%)
    o The total incidents in Great Holm per 10,000 population fell from 63 in 2000/01 to 30 in 2014/15 (53%).
    o The total incidents in Bletchley per 10,000 population fell from 53 in 2000/01 to 25 in 2014/15 (53%)

Demand – Percentage Difference – District/LA Level – Figure 7

- The percentage change in Demand in Milton Keynes between April 1998 and March 2014 was <30%.

Demand – Percentage Difference – Station Level – Figure 8

- The percentage change in Demand at Great Holm between April 1998 and March 2014 was approximately <35%
- The percentage change in Demand at Bletchley between April 1998 and March 2014 was approximately <40%

MK Demand Profile 2003 – 2015 - Figure 9

- From 2000 to 2015, there has been an increase in population of;
    ➢ 9 per-cent in Buckinghamshire, and
    ➢ 24 per-cent in Milton Keynes

The Milton Keynes snapshot1 below highlights a 54 per-cent reduction in demand per population across Milton Keynes (201 to 92 incidents per 10,000 population) despite the higher than average increase in population.

Percentage of Incidents Attended by 1, 2, 3 and 4+ Appliances – Figure 10
- Between 1999/00 and 2014/15, the incidents attended by 1 fire engine remained consistent at around 55% to 60%.
- Between 1999/00 and 2014/15, the incidents attended by 2 fire engines fell significantly, from roughly 35% in 1999/00 to roughly 15% in 2014/15.
- Between 1990/00 and 2014/15, the incidents attended by 3 or 4 fire engines remained consistently at between 0% and 5%.

Average Response Times (Assigned to First Attendance) – 2000 to 2015 (with Average Attendance for MK April 2012 – March 2015) – Figure 11
- The average response times are the point at which the fire engine is alerted by fire control to the point at which it arrives at the incident.
- The three whole time stations that cover Milton Keynes demonstrate that over a 15 year period the average response times vary between 7 and 9 minutes.
- The day crewed station at Newport Pagnell, over a 15 year period, saw an average response time between 8 and 10 minutes.
- The on-call station at Olney, over a 15 year period, saw an average response time of between 8 and 14 minutes.
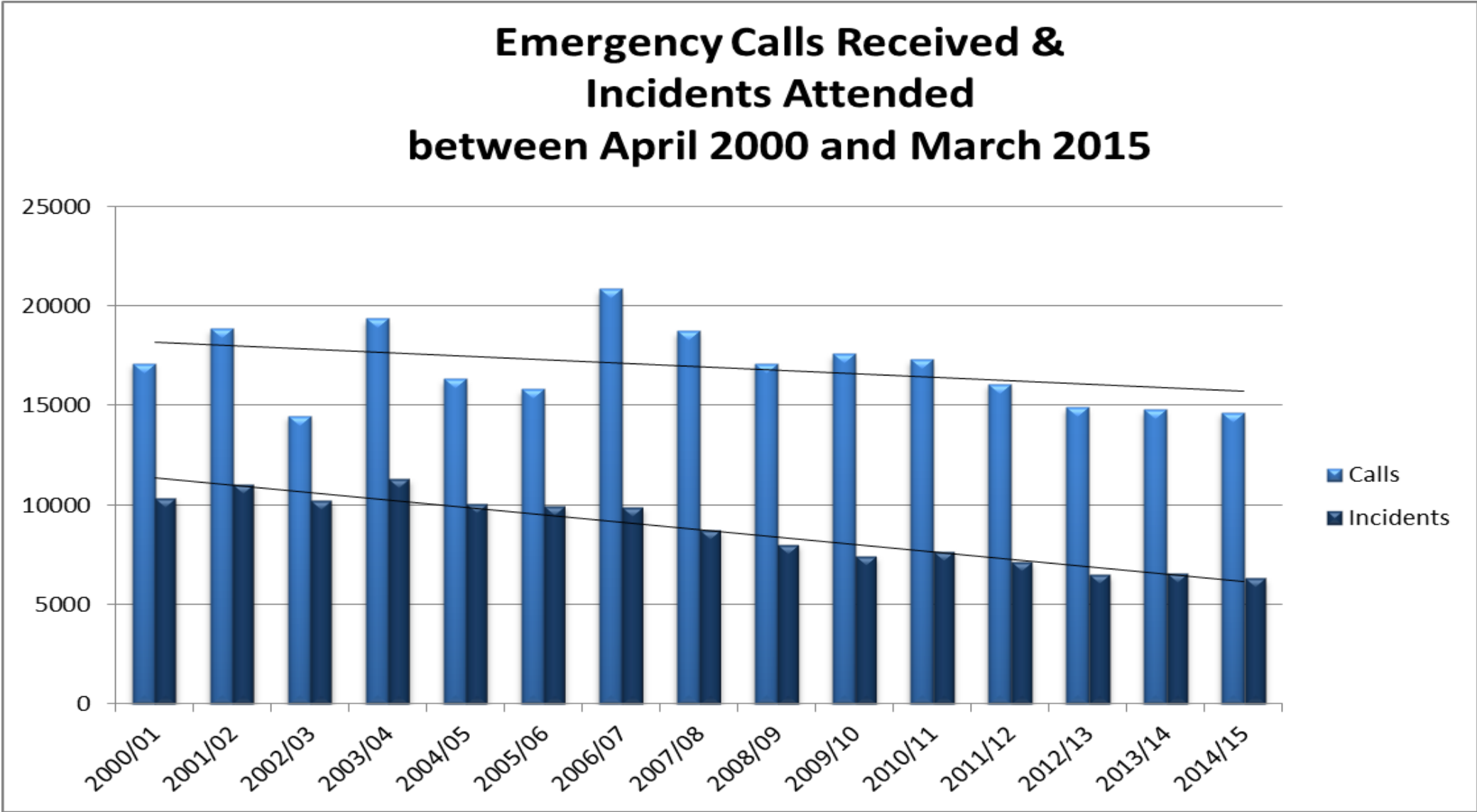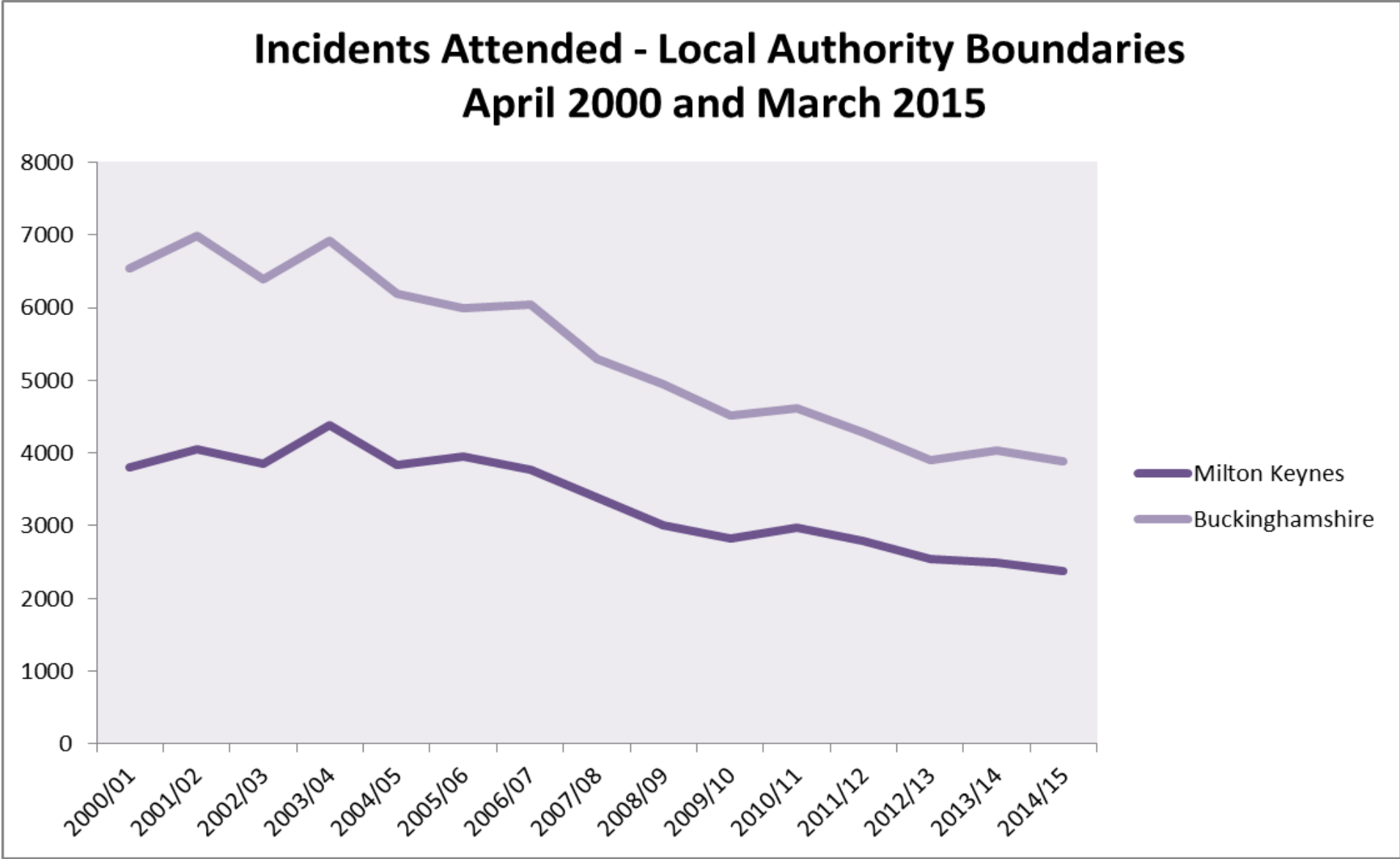
Back to the Future – *Figure 1*

Incidents Attended
April 1983 and March 2015
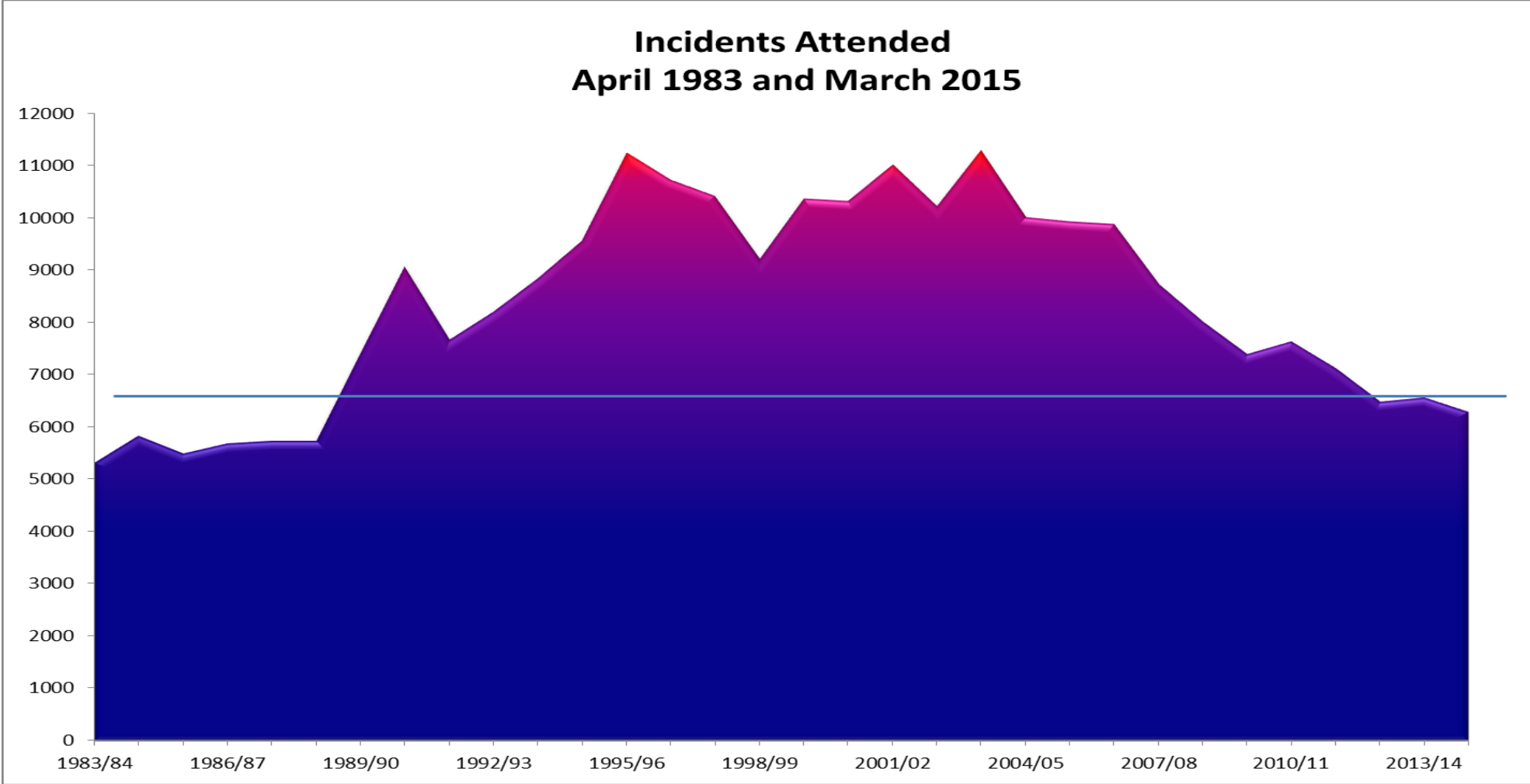
Activity past Fifteen Years by Station, District and Authority Areas – *Figure 2*

	2000/01	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15
TOTAL NO. OF 999 CALLS	**17107**	**18856**	**14475**	19357	16342	15810	20856	18738	17117	17598	17310	16068	14906	14796	14634
TOTAL NO. INCIDENTS	**10340**	**11035**	**10243**	11310	10028	9942	9888	8747	8017	7410	7652	7130	6490	6572	6307
Bucks & MK FRS	**10340**	**11035**	**10243**	**11310**	**10028**	**9942**	**9823**	**8686**	**7957**	**7344**	**7600**	**7073**	**6435**	**6514**	**6266**
Milton Keynes	**3799**	**4050**	**3851**	**4382**	**3843**	**3946**	**3774**	**3387**	**3009**	**2821**	**2979**	**2796**	**2540**	**2485**	**2381**
Bletchley	1106	1138	1188	1467	1207	1115	1105	908	878	807	905	831	697	683	657
Broughton	982	1085	912	1032	947	971	920	906	697	658	713	698	618	590	577
Great Holm	1313	1456	1347	1405	1303	1438	1342	1222	1125	936	901	845	810	808	776
Newport Pagnell	330	312	342	416	324	349	342	290	249	354	408	365	360	346	330
Olney	68	59	62	62	62	73	65	61	60	66	52	57	55	58	41
Buckinghamshire	**6541**	**6985**	**6392**	**6928**	**6185**	**5996**	**6049**	**5299**	**4948**	**4523**	**4621**	**4277**	**3895**	**4029**	**3885**
Aylesbury Vale	**1932**	**2128**	**1972**	**2189**	**1992**	**1937**	**1890**	**1618**	**1557**	**1424**	**1302**	**1282**	**1177**	**1218**	**1180**
Chiltern	**861**	**801**	**762**	**874**	**880**	**815**	**755**	**608**	**601**	**629**	**717**	**591**	**574**	**515**	**506**
South Bucks	**1553**	**1694**	**1485**	**1649**	**1400**	**1421**	**1518**	**1435**	**1327**	**1089**	**1145**	**1032**	**868**	**1016**	**896**
Wycombe	**2195**	**2362**	**2173**	**2216**	**1913**	**1823**	**1886**	**1638**	**1463**	**1381**	**1457**	**1372**	**1276**	**1280**	**1303**
Aylesbury	1434	1699	1495	1661	1390	1402	1342	1113	1050	979	861	791	756	812	782
High Wycombe	1705	1885	1688	1724	1497	1371	1394	1221	1047	1020	988	972	892	840	900
Buckingham	224	174	183	215	193	217	253	262	240	191	197	204	192	197	194
Beaconsfield	749	868	739	851	710	692	768	759	632	503	555	491	421	451	419
Gerrards Cross	804	826	746	798	690	729	750	676	695	586	590	541	447	565	477
Amersham	383	378	297	364	386	376	311	264	245	298	319	245	239	230	218
Marlow	233	255	283	238	200	241	243	222	207	171	205	191	179	203	167
Brill	59	53	53	55	48	25	49	36	49	15	36	35	22	13	12
Chesham	329	295	301	364	344	285	315	228	221	194	214	209	208	172	164
Great Missenden	149	128	164	146	150	154	129	116	135	137	184	137	127	113	124
Haddenham	77	61	72	85	98	99	76	61	64	75	60	81	55	53	47
Princes Risborough	153	147	125	156	132	123	144	103	121	108	155	128	131	159	146
Stokenchurch	104	75	77	98	84	88	105	92	88	82	109	81	74	78	90
Waddesdon	60	46	80	73	187	112	79	61	65	87	79	93	96	72	57
Winslow	78	95	89	100	76	82	91	85	89	77	69	78	56	71	88

Fifteen year trend – *Figure 3*

Emergency Calls Received &
Incidents Attended
between April 2000 and March 2015

Fifteen Year Trend by Authority Area – *Figure 4*

Incidents Attended - Local Authority Boundaries
April 2000 and March 2015

Those incidents that exceeded 10 minutes – *Figure 5*

Olney, **26** incidents
9 from Olney, Ave Mobilisation **6:58**, Ave Travel Time **6:40**
17 from Other stations, Ave Mobilisation **3:19** Ave Travel Time **10:26**

Grendon Underwood, **20** incidents
14 from Waddesdon, Ave Mobilisation **5:24** Ave Travel Time **10:30**
6 from Other stations, Ave Mobilisation **4:03** Ave Travel Time **14:32**

Wendover, 50 incidents
20 from Aylesbury, Ave Mobilisation **1:22** Ave Travel Time **10:31**
30 from Other stations, Ave Mobilisation **1:12** Ave Travel Time **10:56**

Chesham, 24, incidents
15 from Chesham, Ave Mobilisation **6:28** Ave Travel Time **6:51**
9 from Other stations, Ave Mobilisation **5:45** Ave Travel Time **9:34**

Stokenchurch, 21 incidents
11 from Stokenchurch, Ave Mobilisation **2:17** Ave Travel Time **11:31**
10 from Other stations, Ave Mobilisation **1:12** Ave Travel Time **13:47**

Marlow, 41 incidents
29 from Marlow, Ave Mobilisation **6:43** Ave Travel Time **5:43**
12 from Other stations, Ave Mobilisation **1:22** Ave Travel Time **10:22**

Burnham, 24 incidents
16 from Beaconsfield, Ave Mobilisation **1:03** Ave Travel Time **10:36**
8 from Other stations, Ave Mobilisation **3:38** Ave Travel Time **11:42**

Iver, 25 incidents
20 from Gerrards Cross, Ave Mobilisation **1:43** Ave Travel Time **10:45**
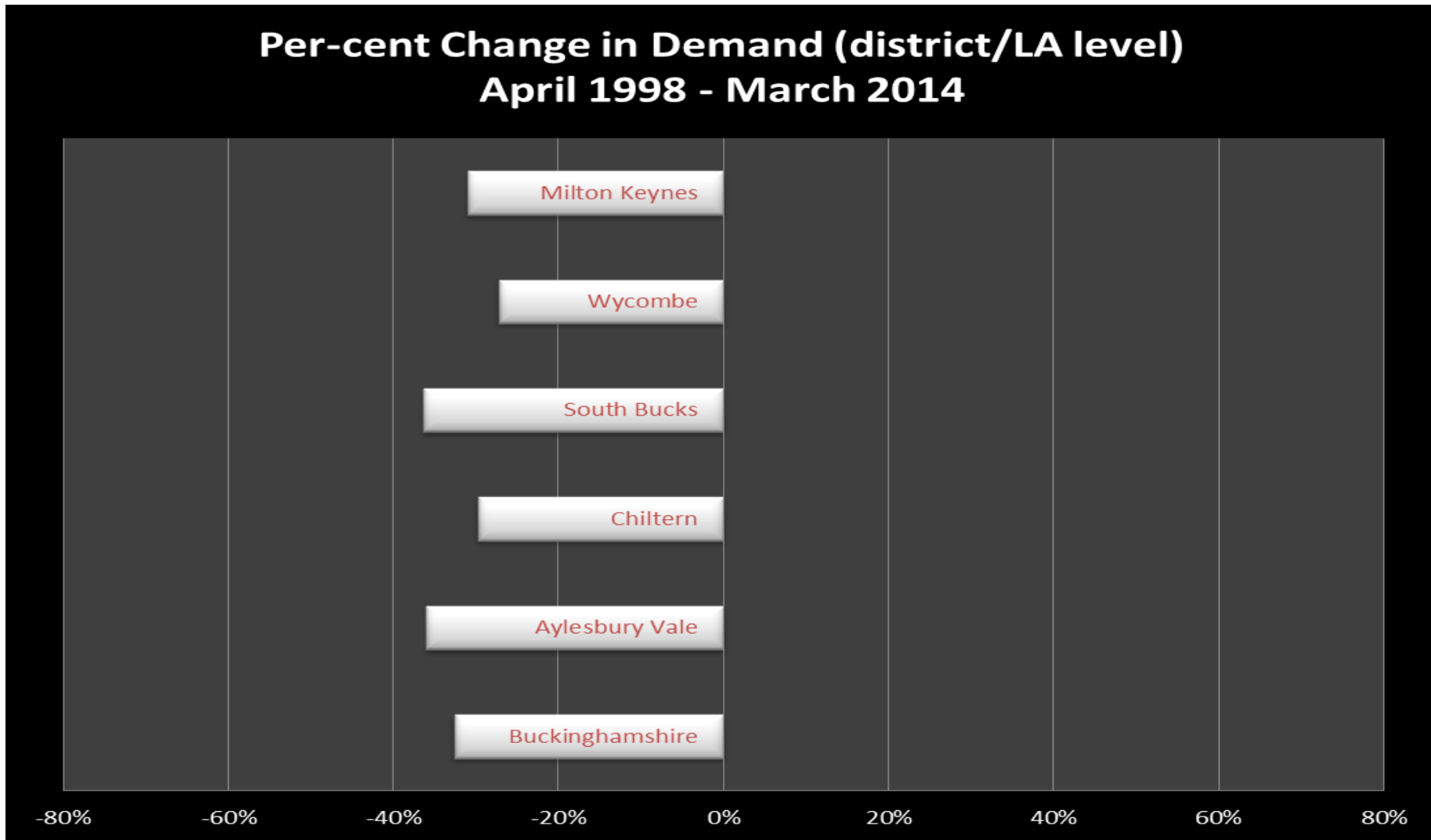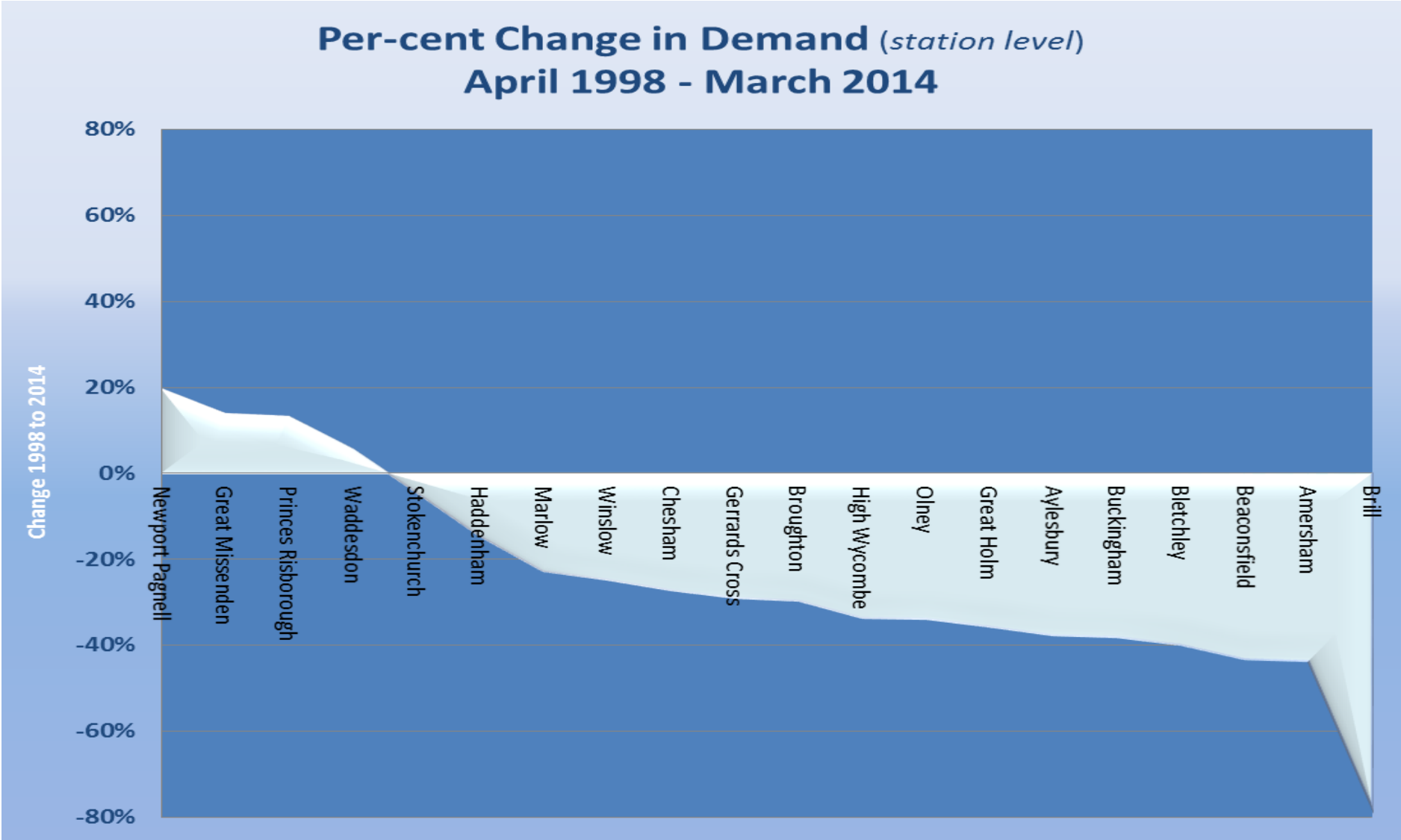5 from Other stations, Ave Mobilisation **2:48** Ave Travel Time **9:32**
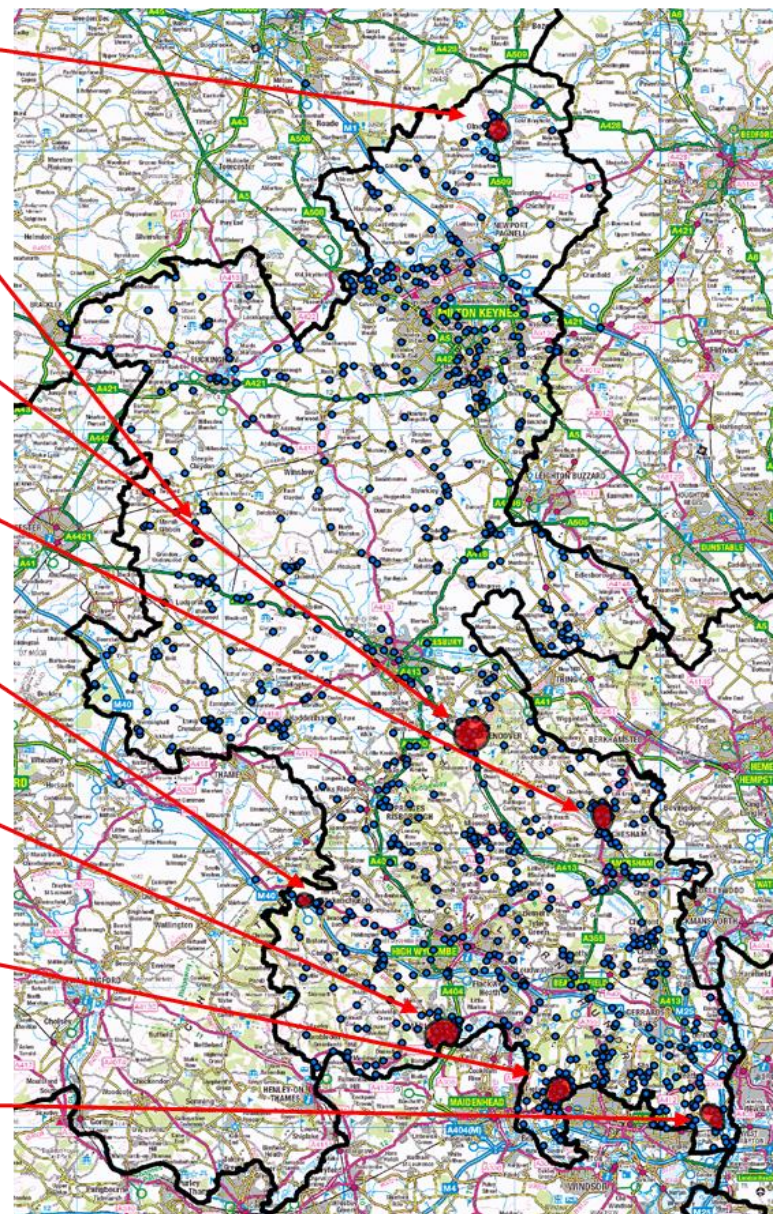
The number of incidents over the past 15 years - per 10,000 population – *Figure 6*

	2000/01	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15
Buckinghamshire	137	146	134	146	128	124	124	107	100	91	92	84	76	78	74
Milton Keynes	181	190	179	201	175	177	166	147	128	117	121	112	101	97	92
Bletchley	53	54	55	67	55	50	49	39	37	34	37	33	28	27	25
Broughton	47	51	42	47	43	43	40	39	30	27	29	28	24	23	22
Great Holm	63	68	63	65	59	64	59	53	48	39	37	34	32	32	30
Newport Pagnell	16	15	16	19	15	16	15	13	11	15	17	15	14	14	13
Olney	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2
Aylesbury	30	35	31	35	29	29	27	23	21	20	17	16	15	16	15
High Wycombe	36	39	35	36	31	28	28	25	21	20	20	19	17	16	17
Buckingham	5	4	4	5	4	4	5	5	5	4	4	4	4	4	4
Beaconsfield	16	18	15	18	15	14	16	15	13	10	11	10	8	9	8
Gerrards Cross	17	17	16	17	14	15	15	14	14	12	12	11	9	11	9
Amersham	8	8	6	8	8	8	6	5	5	6	6	5	5	4	4
Marlow	5	5	6	5	4	5	5	5	4	3	4	4	3	4	3
Brill	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0
Chesham	7	6	6	8	7	6	6	5	4	4	4	4	4	3	3
Great Missenden	3	3	3	3	3	3	3	2	3	3	4	3	2	2	2
Haddenham	2	1	2	2	2	2	2	1	1	2	1	2	1	1	1
Princes Risborough	3	3	3	3	3	3	3	2	2	2	3	3	3	3	3
Stokenchurch	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2
Waddesdon	1	1	2	2	4	2	2	1	1	2	2	2	2	1	1
Winslow	2	2	2	2	2	2	2	2	2	2	1	2	1	1	2

DEMAND – Per-cent difference – District/LA Level – *Figure 7*

Per-cent Change in Demand (district/LA level)
April 1998 - March 2014

DEMAND – Per-cent difference – Station Level – *Figure 8*

Per-cent Change in Demand (*station level*)
April 1998 - March 2014

Y-axis: Change 1998 to 2014 — 80%, 60%, 40%, 20%, 0%, -20%, -40%, -60%, -80%

X-axis stations: Newport Pagnell, Great Missenden, Princes Risborough, Waddesdon, Stokenchurch, Haddenham, Marlow, Winslow, Chesham, Gerrards Cross, Broughton, High Wycombe, Olney, Great Holm, Aylesbury, Buckingham, Bletchley, Beaconsfield, Amersham, Brill

Demand – MK Demand Profile 2003 – 2015 – *Figure 9*
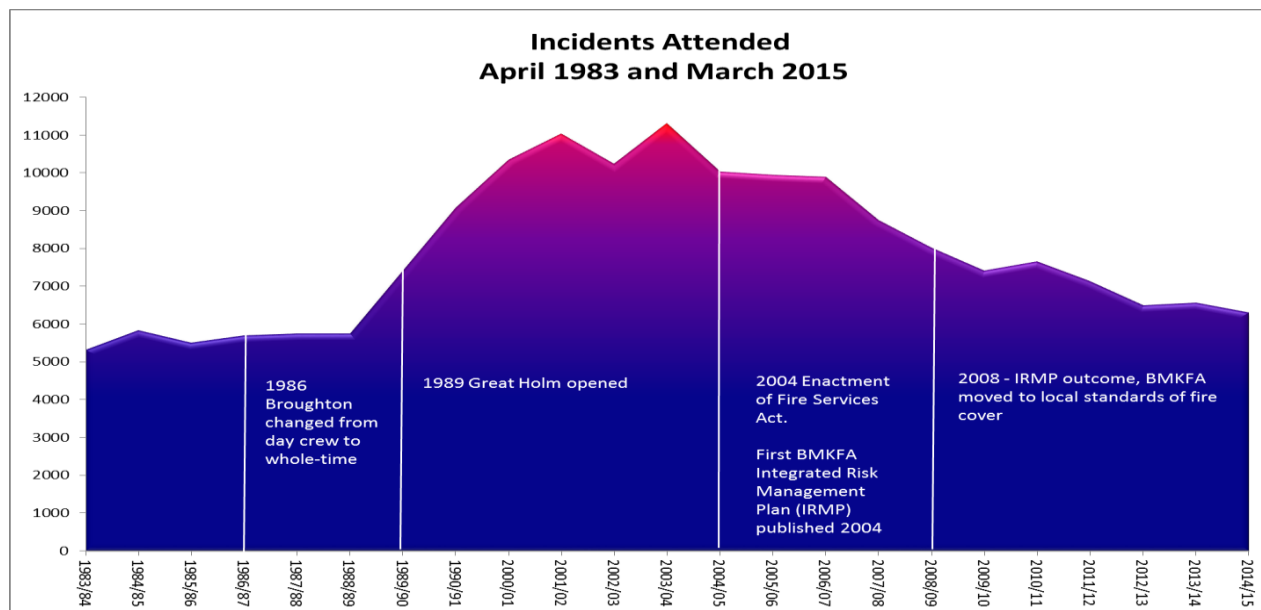
The charts here provide a clear visual of the reduction in demand across Buckinghamshire and Milton Keynes.

From 2000 to 2015, there has been an increase in population of;

- 9 per-cent in Buckinghamshire, and
- 24 per-cent in Milton Keynes

The Milton Keynes snapshot[1] below highlights a 54 per-cent reduction in demand per population across Milton Keynes (201 to 92 incidents per 10,000 population) despite the higher than average increase in population.

A similar reduction in demand of 49 per-cent has been experienced in Buckinghamshire (146 to 74 per 10,000 population).
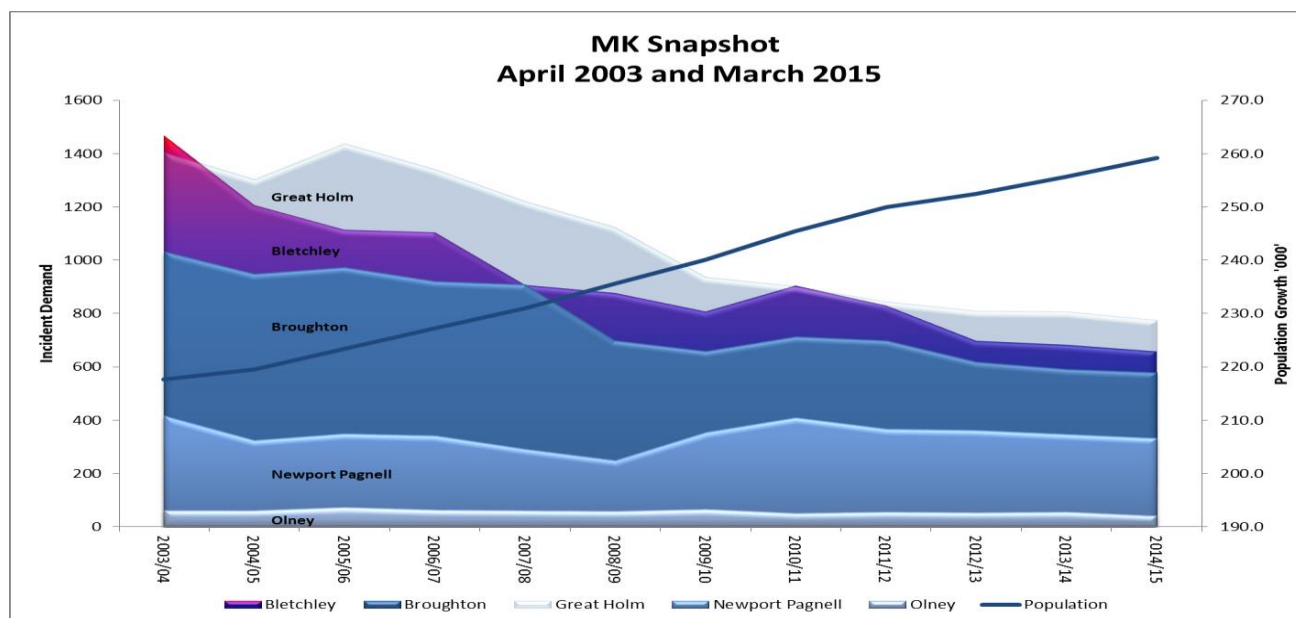
Number of incidents per 10,000 population

|	2003/04	2014/15		% Difference
Buckinghamshire	146	74	⬇	49%
Milton Keynes	201	92	⬇	54%
Bletchley	67	25	⬇	62%
Broughton 2	47	22	⬇	53%
Great Holm 3	65	30	⬇	54%
Newport Pagnell	19	13	⬇	32%
Olney	3	2	⬇	33%

[1] MK Snapshot coincides with the enactment of the Fire Services Act 2004
[2] 1986 Broughton changed from day crew to whole time
[3] 1989 Great Holm opened

Percentage of Incidents Attended by 1, 2, 3 and 4+ Appliances – *Figure 10*
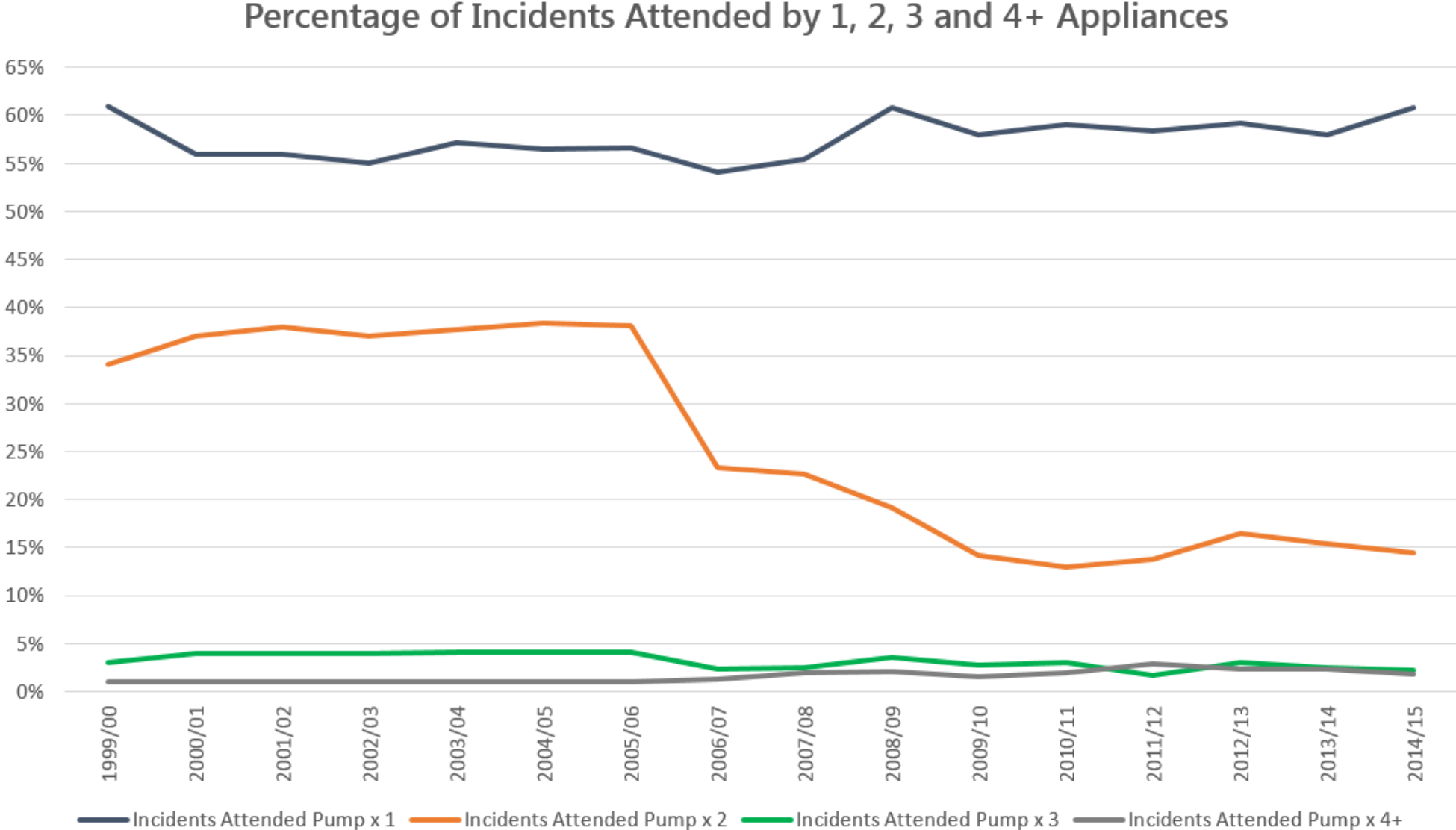
Percentage of Incidents Attended by 1, 2, 3 and 4+ Appliances

Average Response Times (Assigned to First Attendance) – 2000 to 2015 (with Average Attendance for MK April 2012 – March 2015) – *Figure 11*

Average Response Times (assigned to first attendance) - 2000 to 2015

	Bletchley	Broughton	Buckingham	Great Holm	Newport Pagnell	Olney	Winslow
2000	00:07:33	00:07:09	00:08:37	00:08:00	00:08:30	00:08:27	00:12:08
2001	00:06:51	00:07:02	00:09:19	00:07:15	00:08:15	00:10:22	00:10:46
2002	00:08:12	00:07:29	00:09:01	00:07:17	00:08:39	00:10:56	00:13:02
2003	00:08:06	00:07:21	00:11:07	00:07:40	00:08:03	00:08:33	00:11:49
2004	00:07:11	00:08:14	00:10:30	00:07:15	00:08:57	00:10:32	00:11:11
2005	00:07:42	00:07:31	00:09:28	00:07:58	00:09:36	00:10:07	00:10:32
2006	00:07:56	00:07:40	00:10:30	00:08:02	00:10:17	00:11:21	00:12:50
2007	00:07:18	00:07:34	00:11:17	00:08:23	00:09:11	00:11:11	00:12:41
2008	00:08:03	00:08:02	00:10:53	00:09:13	00:09:52	00:11:25	00:12:24
2009	00:07:34	00:09:38	00:11:14	00:09:09	00:08:45	00:00:00	00:12:38
2010	00:07:04	00:07:40	00:10:59	00:06:57	00:08:40	00:12:46	00:11:15
2011	00:07:25	00:07:25	00:09:43	00:06:43	00:08:33	00:13:43	00:11:12
2012	00:07:19	00:07:36	00:11:09	00:06:49	00:08:47	00:12:07	00:12:07
2013	00:07:40	00:07:55	00:10:09	00:07:22	00:08:20	00:13:20	00:11:39
2014	00:07:53	00:07:44	00:10:53	00:07:39	00:09:17	00:13:26	00:11:34
2015	00:08:50	00:08:57	00:10:05	00:08:42	00:09:35	00:13:07	00:13:47
15 Year Average	**00:07:40**	**00:07:49**	**00:10:18**	**00:07:46**	**00:08:57**	**00:10:43**	**00:11:58**