

# why we can claim to be the “Best in Britain”

An independent study looked at the Oxford Bus Company (OBC)'s emissions performance in relation to other bus operators, both locally and nationally. It was commissioned by The Go-Ahead Group, OBC's parent company, but carried out independently by The TAS Partnership, one of the most respected consultancies in the UK transport industry. This study examined the fleet composition of the 111 largest bus companies in the UK outside London, and for each company their vehicle emissions characteristics were modelled. As an output, a 'league table' was produced for each regulated pollutant.

OBC placing in UK league table for regulated pollutants (g/KW)			
pollutant	national modelled average output	OBC modelled average output	OBC national position
All	-	-	1st
Particulate Matter	0.317	0.077	1st
Carbon Monoxide	4.167	0.871	1st
Hydrocarbon	1.059	0.244	1st
Oxides of Nitrogen	7.590	6.456	10th*

\*The recent introduction of ten new buses with Euro III standard plus CRT would, according to TAS, raise the OBC's standing for NOx emissions to 6th.

Details of the findings appear on the following pages.

## carbon monoxide outputs

rating	company	CO fleet average (g/kWh)
1	<b>Oxford Bus Company</b>	<b>0.871</b>
2	Go Wear Buses Ltd	1.295
3	Go Gateshead Ltd	1.928
4	Brighton and Hove Bus and Coach Company Ltd	2.066
5	First York Limited	2.505
6	Halton Borough Transport Limited	2.745
7	Yorkshire Coastliner Limited	2.765
8	Lancashire United Limited	2.805
9	Burnley and Pendle Travel Limited	2.961
10	Go Northern Ltd	3.013
11	Tayside Public Transport Company Limited	3.021
12	Thames Transit Limited	3.265
13	West Midlands Travel Limited	3.271
14	Trent Motor Traction Co Ltd	3.310
15	First Beeline Buses Limited	3.313
16	Nottingham City Transport Limited	3.330
17	Newport Transport Limited	3.412
18	Harrogate and District Travel Limited	3.426
19	Leicester Citybus Limited	3.439
20	Arriva Guildford & West Surrey Limited	3.474
21	Arriva Kent Thameside Limited	3.597
22	Greater Manchester Buses South Ltd	3.607
23	Arriva Medway Towns Limited	3.612
24	Cambus Limited	3.627
25	Cardiff City Transport Services Limited	3.664
26	Rossendale Transport Limited	3.756
27	Ipswich Buses Limited	3.846
28	Stagecoach Devon Limited	3.884
29	Arriva Fox County Ltd	3.909
30	First Midland Red Buses Limited	3.920
31	First Essex Buses Limited	3.935
32	M K Metro Limited	3.945
33	Arriva Colchester Ltd	3.966
34	Midland Red (South) Limited	3.984
35	Reading Transport Limited	4.035
36	Lothian Buses plc	4.037
37	Eastbourne Buses Limited	4.046
38	Northampton Transport Limited	4.051
39	First Glasgow (No 1) Limited	4.104
40	First Cymru Limited	4.165
41	Wilts & Dorset Bus Company Limited	4.167
42	Red & White Services Limited	4.200
43	Arriva Yorkshire West Limited	4.209
44	Arriva Kent & Sussex Limited	4.212
45	Arriva Cymru Ltd	4.235
46	Blue Bus & Coach Services Limited	4.239
47	Arriva Midlands North Limited	4.248
48	Arriva Teesside Limited	4.255
49	First Aberdeen Limited	4.258
50	Arriva North West Limited	4.267
51	Busways Travel Services Ltd	4.270
52	Cheltenham and Gloucester Omnibus Co Ltd	4.287
53	Arriva Merseyside Limited	4.314
54	First West Yorkshire Limited	4.332
55	Bournemouth Transport Limited	4.339
56	East Midland Motor Services Limited	4.356
57	Stagecoach (South) Limited	4.371
58	Finglands Coachways Limited	4.380

rating	company	CO fleet average (g/kW)
59	Arriva Tees and District Limited	4.382
60	First South Yorkshire Limited	4.384
61	Arriva The Shires Limited	4.399
62	Arriva Yorkshire North Limited	4.401
63	Plymouth Citybus Limited	4.406
64	Stagecoach (North West) Limited	4.443
65	Arriva Scotland West Limited	4.451
66	Arriva East Herts & Essex Ltd	4.458
67	The Birmingham Coach Company Limited	4.474
68	First Hampshire & Dorset Limited	4.477
69	Thamesdown Transport Limited	4.480
70	Arriva Northumbria Limited	4.483
71	Blackpool Transport Services Limited	4.503
72	Arriva Manchester Limited	4.507
73	First PMT Limited	4.513
74	Arriva Yorkshire Limited	4.516
75	Keighley and District Travel Limited	4.525
76	East Kent Road Car Company Limited	4.527
77	Southern Vectis Omnibus Company Limited	4.536
78	First Manchester Limited	4.536
79	Warrington Borough Transport Limited	4.553
80	Stagecoach (Scotland) Limited	4.562
81	Arriva Durham County Ltd	4.566
82	First Edinburgh Limited	4.569
83	East Yorkshire Motor Services Ltd	4.577
84	Arriva Southend Limited	4.602
85	Musterphantom Limited (t/a Solent Blue Line)	4.609
86	First Somerset & Avon Limited	4.612
87	A Mayne & Son Limited	4.650
88	Arriva West Sussex Limited	4.667
89	First Eastern Counties Buses Limited	4.671
90	First Glasgow (No 2) Limited	4.686
91	Yorkshire Traction Company Limited	4.702
92	First Devon & Cornwall Limited	4.706
93	Nottinghamshire and Derbyshire Traction Company Ltd	4.710
94	Andrews (Sheffield) Limited	4.711
95	Islwyn Borough Transport Limited	4.722
96	First Bristol Limited	4.732
97	Cleveland Transit Ltd	4.758
98	Arriva Derby Ltd	4.924
99	Chester City Transport Limited	5.016
100	Lionspeed Limited	5.051
101	Lincolnshire Road Car Company Limited	5.119
102	Strathtay Scottish Omnibuses Limited	5.120
103	Preston Bus Limited	5.145
104	Stevensons of Uttoxeter Limited	5.185
105	Blackburn Borough Transport Limited	5.279
106	Wilts & Dorset coach subsidiaries	5.310
107	Glenvale Transport Limited	5.371
108	The Barnsley & District Traction Company Ltd	5.521
109	Hedingham and District Omnibuses Limited	5.525
110	Rapsons Coaches Limited	5.540
111	2 Travel Group plc	5.845
<b>national average for CO output</b>		<b>4.167</b>

## hydrocarbon outputs

rating	company	HC fleet average (g/kWh)
1	Oxford Bus Company	0.244
2	Go Wear Buses Ltd	0.340
3	Go Gateshead Ltd	0.518
4	Brighton and Hove Bus and Coach Company Ltd	0.536
5	Halton Borough Transport Limited	0.737
6	First York Limited	0.743
7	Go Northern Ltd	0.770
8	Lancashire United Limited	0.799
9	Yorkshire Coastliner Limited	0.814
10	Tayside Public Transport Company Limited	0.818
11	Burnley and Pendle Travel Limited	0.839
12	West Midlands Travel Limited	0.842
13	First Beeline Buses Limited	0.892
14	Leicester Citybus Limited	0.915
15	Thames Transit Limited	0.915
16	Trent Motor Traction Co Ltd	0.919
17	Nottingham City Transport Limited	0.929
18	Harrogate and District Travel Limited	0.935
19	Newport Transport Limited	0.935
20	Greater Manchester Buses South Ltd	0.944
21	Arriva Guildford & West Surrey Limited	0.945
22	Cambus Limited	0.970
23	Arriva Medway Towns Limited	0.972
24	Arriva Kent Thameside Limited	0.973
25	Cardiff City Transport Services Limited	0.975
26	Rosendale Transport Limited	0.991
27	First Midland Red Buses Limited	1.005
28	Ipswich Buses Limited	1.013
29	Stagecoach Devon Limited	1.014
30	First Essex Buses Limited	1.018
31	Arriva Fox County Ltd	1.023
32	Northampton Transport Limited	1.029
33	Arriva Colchester Ltd	1.034
34	Midland Red (South) Limited	1.039
35	Lothian Buses plc	1.040
36	Reading Transport Limited	1.047
37	M K Metro Limited	1.051
38	First Glasgow (No 1) Limited	1.059
39	Eastbourne Buses Limited	1.060
40	First Cymru Limited	1.061
41	Red & White Services Limited	1.065
42	Wilts & Dorset Bus Company Limited	1.071
43	Blue Bus & Coach Services Limited	1.075
44	Arriva Yorkshire West Limited	1.081
45	Busways Travel Services Ltd	1.082
46	Arriva Midlands North Limited	1.083
47	Arriva Merseyside Limited	1.090
48	Arriva North West Limited	1.092
49	Bournemouth Transport Limited	1.093
50	Arriva Kent & Sussex Limited	1.094
51	East Midland Motor Services Limited	1.096
52	Arriva Cymru Ltd	1.100
53	Finglands Coachways Limited	1.100
54	Cheltenham and Gloucester Omnibus Co Ltd	1.100
55	Plymouth Citybus Limited	1.102
56	Stagecoach (South) Limited	1.104
57	The Birmingham Coach Company Limited	1.104
58	First South Yorkshire Limited	1.104
59	First West Yorkshire Limited	1.105
60	Arriva Teesside Limited	1.105

rating	company	HC fleet average (g/kW)
61	First Aberdeen Limited	1.110
62	Stagecoach (North West) Limited	1.114
63	Arriva The Shires Limited	1.115
64	Thamesdown Transport Limited	1.116
65	East Kent Road Car Company Limited	1.118
66	Arriva Tees and District Limited	1.118
67	Southern Vectis Omnibus Company Limited	1.119
68	Blackpool Transport Services Limited	1.124
69	Arriva East Herts & Essex Ltd	1.126
70	Arriva Scotland West Limited	1.129
71	First Hampshire & Dorset Limited	1.132
72	Warrington Borough Transport Limited	1.134
73	Keighley and District Travel Limited	1.137
74	Stagecoach (Scotland) Limited	1.137
75	Musterphantom Limited (t/a Solent Blue Line)	1.138
76	Arriva Manchester Limited	1.138
77	First Manchester Limited	1.140
78	Arriva Northumbria Limited	1.140
79	East Yorkshire Motor Services Ltd	1.143
80	Arriva Yorkshire Limited	1.144
81	Arriva Yorkshire North Limited	1.144
82	Arriva Southend Limited	1.144
83	First Somerset & Avon Limited	1.146
84	Nottinghamshire and Derbyshire Traction Company Ltd	1.149
85	First Edinburgh Limited	1.151
86	First PMT Limited	1.155
87	Yorkshire Traction Company Limited	1.160
88	Arriva Durham County Ltd	1.160
89	Islwyn Borough Transport Limited	1.160
90	A Mayne & Son Limited	1.163
91	First Eastern Counties Buses Limited	1.166
92	First Devon & Cornwall Limited	1.167
93	First Glasgow (No 2) Limited	1.172
94	First Bristol Limited	1.176
95	Andrews (Sheffield) Limited	1.179
96	Cleveland Transit Ltd	1.180
97	Arriva West Sussex Limited	1.183
98	Arriva Derby Ltd	1.209
99	Chester City Transport Limited	1.219
100	Lincolnshire Road Car Company Limited	1.229
101	Strathtay Scottish Omnibuses Limited	1.236
102	Lionspeed Limited	1.242
103	Preston Bus Limited	1.242
104	Stevensons of Uttoxeter Limited	1.244
105	Blackburn Borough Transport Limited	1.262
106	Wilts & Dorset coach subsidiaries	1.268
107	Glenvale Transport Limited	1.281
108	The Barnsley & District Traction Company Ltd	1.294
109	Hedingham and District Omnibuses Limited	1.299
110	Rapsons Coaches Limited	1.306
111	2 Travel Group plc	1.357
<b>national average for HC output</b>		<b>1.059</b>

## nitrous oxide outputs

rating	company	NOx fleet average (g/kWh)
1	First York Limited	5.472
2	Yorkshire Coastliner Limited	5.700
3	Lancashire United Limited	5.842
4	Burnley and Pendle Travel Limited	5.987
5	Go Wear Buses Ltd	6.029
6	Thames Transit Limited	6.287
7	Nottingham City Transport Limited	6.360
8	Trent Motor Traction Co Ltd	6.361
9	Halton Borough Transport Limited	6.409
<b>10</b>	<b>Oxford Bus Company</b>	<b>6.456</b>
11	Go Gateshead Ltd	6.486
12	Newport Transport Limited	6.500
13	Harrogate and District Travel Limited	6.528
14	Arriva Guildford & West Surrey Limited	6.581
15	Brighton and Hove Bus and Coach Company Ltd	6.590
16	Leicester Citybus Limited	6.639
17	Arriva Kent Thameside Limited	6.712
18	First Beeline Buses Limited	6.742
19	Arriva Medway Towns Limited	6.750
20	Cambus Limited	6.788
21	Cardiff City Transport Services Limited	6.843
22	Tayside Public Transport Company Limited	6.897
23	Rosendale Transport Limited	6.962
24	Ipswich Buses Limited	7.052
25	M K Metro Limited	7.093
26	Stagecoach Devon Limited	7.121
27	Arriva Fox County Ltd	7.134
28	West Midlands Travel Limited	7.198
29	Arriva Colchester Ltd	7.206
30	First Essex Buses Limited	7.208
31	Midland Red (South) Limited	7.217
32	First Midland Red Buses Limited	7.230
33	Eastbourne Buses Limited	7.258
34	Reading Transport Limited	7.293
35	Greater Manchester Buses South Ltd	7.321
36	Lothian Buses plc	7.322
37	Go Northern Ltd	7.339
38	First Glasgow (No 1) Limited	7.378
39	Northampton Transport Limited	7.400
40	Arriva Kent & Sussex Limited	7.448
41	Wilts & Dorset Bus Company Limited	7.453
42	Arriva Cymru Ltd	7.472
43	First Aberdeen Limited	7.477
44	Arriva Teesside Limited	7.488
45	First Cymru Limited	7.490
46	Arriva Yorkshire West Limited	7.496
47	Arriva North West Limited	7.567
48	Arriva Midlands North Limited	7.568
49	Cheltenham and Gloucester Omnibus Co Ltd	7.577
50	Blue Bus & Coach Services Limited	7.586
51	Red & White Services Limited	7.591
52	Busways Travel Services Ltd	7.616
53	Arriva Yorkshire North Limited	7.625
54	First West Yorkshire Limited	7.647
55	Arriva Merseyside Limited	7.672
56	Arriva Tees and District Limited	7.691
57	Bournemouth Transport Limited	7.713
58	Stagecoach (South) Limited	7.731
59	East Midland Motor Services Limited	7.734
60	Arriva The Shires Limited	7.740

rating	company	NOx fleet average (g/kW)
61	First South Yorkshire Limited	7.756
62	Finglands Coachways Limited	7.764
63	Arriva Scotland West Limited	7.786
64	Arriva Northumbria Limited	7.804
65	Plymouth Citybus Limited	7.806
66	First PMT Limited	7.806
67	Arriva East Herts & Essex Ltd	7.812
68	First Hampshire & Dorset Limited	7.826
69	Stagecoach (North West) Limited	7.833
70	Arriva Yorkshire Limited	7.858
71	Arriva Manchester Limited	7.859
72	Arriva Durham County Ltd	7.891
73	Thamesdown Transport Limited	7.901
74	Keighley and District Travel Limited	7.906
75	First Manchester Limited	7.913
76	Blackpool Transport Services Limited	7.916
77	First Edinburgh Limited	7.935
78	The Birmingham Coach Company Limited	7.935
79	Warrington Borough Transport Limited	7.975
80	Stagecoach (Scotland) Limited	7.975
81	East Kent Road Car Company Limited	7.985
82	East Yorkshire Motor Services Ltd	7.986
83	Arriva West Sussex Limited	8.000
84	Southern Vectis Omnibus Company Limited	8.000
85	Arriva Southend Limited	8.028
86	First Somerset & Avon Limited	8.040
87	A Mayne & Son Limited	8.048
88	Musterphantom Limited (t/a Solent Blue Line)	8.071
89	First Eastern Counties Buses Limited	8.078
90	First Glasgow (No 2) Limited	8.080
91	Andrews (Sheffield) Limited	8.104
92	First Devon & Cornwall Limited	8.142
93	First Bristol Limited	8.157
94	Yorkshire Traction Company Limited	8.167
95	Cleveland Transit Ltd	8.194
96	Islwyn Borough Transport Limited	8.205
97	Nottinghamshire and Derbyshire Traction Company Ltd	8.222
98	Arriva Derby Ltd	8.410
99	Lionspeed Limited	8.532
100	Chester City Transport Limited	8.553
101	Strathtay Scottish Omnibuses Limited	8.690
102	Lincolnshire Road Car Company Limited	8.718
103	Preston Bus Limited	8.718
104	Stevensons of Uttoxeter Limited	8.787
105	Blackburn Borough Transport Limited	8.904
106	Wilts & Dorset coach subsidiaries	8.938
107	Glenvale Transport Limited	9.010
108	Hedingham and District Omnibuses Limited	9.245
109	Rapsons Coaches Limited	9.247
110	The Barnsley & District Traction Company Ltd	9.256
111	2 Travel Group plc	9.651
	<b>national average for NOx output</b>	<b>7.590</b>

## particulate (PM10) outputs

rating	company	PM10 fleet average (g/kWh)
1	<b>Oxford Bus Company</b>	<b>0.077</b>
2	Go Wear Buses Ltd	0.111
3	Yorkshire Coastliner Limited	0.118
4	First York Limited	0.134
5	Go Gateshead Ltd	0.142
6	Brighton and Hove Bus and Coach Company Ltd	0.160
7	Halton Borough Transport Limited	0.170
8	Nottingham City Transport Limited	0.173
9	Burnley and Pendle Travel Limited	0.173
10	Lancashire United Limited	0.176
11	Trent Motor Traction Co Ltd	0.185
12	Thames Transit Limited	0.198
13	Tayside Public Transport Company Limited	0.200
14	Harrogate and District Travel Limited	0.205
15	First Beeline Buses Limited	0.208
16	Newport Transport Limited	0.209
17	Arriva Kent Thameside Limited	0.222
18	Arriva Guildford & West Surrey Limited	0.224
19	Cambus Limited	0.227
20	Go Northern Ltd	0.235
21	Cardiff City Transport Services Limited	0.241
22	M K Metro Limited	0.242
23	Leicester Citybus Limited	0.249
24	Arriva Medway Towns Limited	0.253
25	West Midlands Travel Limited	0.255
26	Greater Manchester Buses South Ltd	0.256
27	Ipswich Buses Limited	0.265
28	First Aberdeen Limited	0.271
29	Arriva Teesside Limited	0.274
30	Arriva Yorkshire North Limited	0.274
31	Rosendale Transport Limited	0.277
32	Arriva Fox County Ltd	0.278
33	Stagecoach Devon Limited	0.278
34	Eastbourne Buses Limited	0.280
35	Arriva Colchester Ltd	0.284
36	First Essex Buses Limited	0.289
37	Midland Red (South) Limited	0.290
38	Arriva North West Limited	0.293
39	Lothian Buses plc	0.294
40	Wilts & Dorset Bus Company Limited	0.296
41	Reading Transport Limited	0.296
42	Arriva Cymru Ltd	0.297
43	Arriva Kent & Sussex Limited	0.298
44	Arriva Tees and District Limited	0.298
45	First Midland Red Buses Limited	0.298
46	Arriva Yorkshire West Limited	0.305
47	First Glasgow (No 1) Limited	0.306
48	Cheltenham and Gloucester Omnibus Co Ltd	0.308
49	First West Yorkshire Limited	0.316
50	Red & White Services Limited	0.317
51	Busways Travel Services Ltd	0.318
52	Arriva Northumbria Limited	0.318
53	First Cymru Limited	0.318
54	Arriva Midlands North Limited	0.320
55	Arriva Merseyside Limited	0.321
56	Arriva Manchester Limited	0.323
57	Arriva The Shires Limited	0.328
58	Blue Bus & Coach Services Limited	0.329
59	East Midland Motor Services Limited	0.332
60	First PMT Limited	0.335

rating	company	PM10 fleet average (g/kW)
61	Arriva Scotland West Limited	0.335
62	Arriva Yorkshire Limited	0.335
63	First Hampshire & Dorset Limited	0.337
64	Northampton Transport Limited	0.338
65	Arriva East Herts & Essex Ltd	0.340
66	Finglands Coachways Limited	0.341
67	Stagecoach (South) Limited	0.342
68	First South Yorkshire Limited	0.342
69	Arriva Durham County Ltd	0.344
70	Bournemouth Transport Limited	0.345
71	Plymouth Citybus Limited	0.347
72	Keighley and District Travel Limited	0.347
73	First Manchester Limited	0.348
74	Andrews (Sheffield) Limited	0.348
75	Stagecoach (North West) Limited	0.351
76	First Edinburgh Limited	0.360
77	Stagecoach (Scotland) Limited	0.361
78	First Somerset & Avon Limited	0.363
79	Blackpool Transport Services Limited	0.364
80	Thamesdown Transport Limited	0.365
81	East Yorkshire Motor Services Ltd	0.365
82	A Mayne & Son Limited	0.365
83	Arriva West Sussex Limited	0.366
84	Warrington Borough Transport Limited	0.366
85	The Birmingham Coach Company Limited	0.368
86	First Bristol Limited	0.369
87	First Eastern Counties Buses Limited	0.375
88	East Kent Road Car Company Limited	0.375
89	First Glasgow (No 2) Limited	0.377
90	Arriva Southend Limited	0.377
91	First Devon & Cornwall Limited	0.378
92	Cleveland Transit Ltd	0.384
93	Nottinghamshire and Derbyshire Traction Company Ltd	0.384
94	Southern Vectis Omnibus Company Limited	0.385
95	Yorkshire Traction Company Limited	0.386
96	Musterphantom Limited (t/a Solent Blue Line)	0.388
97	Islwyn Borough Transport Limited	0.396
98	Arriva Derby Ltd	0.401
99	Lionspeed Limited	0.411
100	Chester City Transport Limited	0.429
101	Preston Bus Limited	0.447
102	Strathtay Scottish Omnibuses Limited	0.449
103	Lincolnshire Road Car Company Limited	0.454
104	Stevensons of Uttoxeter Limited	0.456
105	Blackburn Borough Transport Limited	0.467
106	Wilts & Dorset coach subsidiaries	0.471
107	Glenvale Transport Limited	0.477
108	Rapsons Coaches Limited	0.510
109	The Barnsley & District Traction Company Ltd	0.511
110	Hedingham and District Omnibuses Limited	0.516
111	2 Travel Group plc	0.563
	<b>national average PM10 output</b>	<b>0.317</b>