



Department
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Food & Rural Affairs



Department
for Transport

Air Quality Plan for tackling roadside nitrogen dioxide concentrations in Eastern (UK0029)

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1 Introduction

1.1 This document

This document is the Eastern non-agglomeration zone (UK0029) updated air quality plan for tackling roadside nitrogen dioxide (NO₂) concentrations. This is an update to the air quality plan published in December 2015 (<https://www.gov.uk/government/collections/air-quality-plan-for-nitrogen-dioxide-no2-in-uk-2015>).

This plan presents the following information:

- General information regarding the Eastern non-agglomeration zone
- Details of NO₂ exceedance situation within the Eastern non-agglomeration zone
- Details of local air quality measures that have been implemented, will be implemented or are being considered for implementation in this non-agglomeration zone

This air quality plan for the Eastern non-agglomeration zone should be read in conjunction with the separate UK Air Quality Plan for tackling roadside nitrogen dioxide concentrations (hereafter referred to as the overview document) which sets out, amongst other things, the authorities responsible for delivering air quality improvements and the list of UK and national measures that are applied in some or all UK zones. The measures presented in this zone plan, and the accompanying UK overview document show how the UK will ensure that compliance with the NO₂ limit values is achieved in the shortest possible time.

This plan should also be read in conjunction with the supporting UK Technical Report which presents information on assessment methods, input data and emissions inventories used in the analysis presented in this plan.

1.2 Context

Two NO₂ limit values for the protection of human health have been set in the Air Quality Directive (2008/50/EC). These are:

- The annual mean limit value: an annual mean concentration of no more than 40 $\mu\text{g}\text{m}^{-3}$
- The hourly limit value: no more than 18 exceedances of 200 $\mu\text{g}\text{m}^{-3}$ in a calendar year

The Air Quality Directive stipulates that compliance with the NO₂ limit values will be achieved by 01/01/2010.

1.3 Zone status

The assessment undertaken for the Eastern non-agglomeration zone indicates that the annual limit value was exceeded in 2015 but is likely to be achieved by 2022 through the introduction of measures included in the baseline. When combined with the measures outlined in the overview document for the UK we expect this zone to be compliant by 2021.

1.4 Plan structure

General administrative information regarding this non-agglomeration zone is presented in Section 2.

Section 3 then presents the overall picture with respect to NO₂ levels in this non-agglomeration zone for the 2015 reference year of this air quality plan. This includes a declaration of exceedance situations within the non-agglomeration zone and presentation of a detailed source apportionment for each exceedance situation.

An overview of the measures already taken and to be taken within the non-agglomeration zone both before and after 2015 is given in Section 4.

Baseline modelled projections for each year from 2017 to 2030 for each exceedance situation are presented in Section 5. The baseline projections presented here include, where possible, the impact of measures that have already been taken and measures for which the relevant authority has made a firm commitment to implement. However, it has not been possible to quantify the impact of all the measures. This section therefore also explains which measures have been quantified, and hence included in the model projections, and which measures have not been quantified.

2 General Information About the Zone

2.1 Administrative information

Zone name: Eastern

Zone code: UK0029

Type of zone: non-agglomeration zone

Reference year: 2015

Extent of zone: Figure 1 shows the area covered by the Eastern non-agglomeration zone.

Local Authorities within the zone: Figure 2 shows the location of Local Authorities within the non-agglomeration zone. A list of these Local Authorities is also given below. The numbers in the list correspond to the numbers in Figure 2.

1. Babergh District Council
2. Basildon District Council
3. Bedford Borough Council
4. Braintree District Council
5. Breckland District Council
6. Brentwood Borough Council
7. Broadland District Council
8. Broxbourne Borough Council
9. Cambridge City Council
10. Castle Point Borough Council
11. Central Bedfordshire Council

12. Chelmsford Borough Council
13. Colchester Borough Council
14. Dacorum Borough Council
15. East Cambridgeshire District Council
16. East Hertfordshire District Council
17. Epping Forest District Council
18. Fenland District Council
19. Forest Heath District Council
20. Great Yarmouth Borough Council
21. Harlow District Council
22. Hertsmere Borough Council
23. Huntingdonshire District Council
24. Ipswich Borough Council
25. King's Lynn and West Norfolk Borough Council
26. London Borough of Barking and Dagenham
27. London Borough of Barnet
28. London Borough of Enfield
29. London Borough of Harrow
30. London Borough of Havering
31. London Borough of Hillingdon
32. London Borough of Redbridge
33. London Borough of Waltham Forest
34. Luton Borough Council
35. Maldon District Council
36. Mid Suffolk District Council
37. North Hertfordshire District Council
38. North Norfolk District Council
39. Norwich City Council
40. Peterborough Council
41. Rochford District Council

42. South Cambridgeshire District Council
43. South Norfolk District Council
44. Southend Borough Council
45. St Albans District Council
46. St Edmundsbury Borough Council
47. Stevenage Borough Council
48. Suffolk Coastal District Council
49. Tendring District Council
50. Three Rivers District Council
51. Thurrock Council
52. Uttlesford District Council
53. Watford Borough Council
54. Waveney District Council
55. Welwyn Hatfield District Council

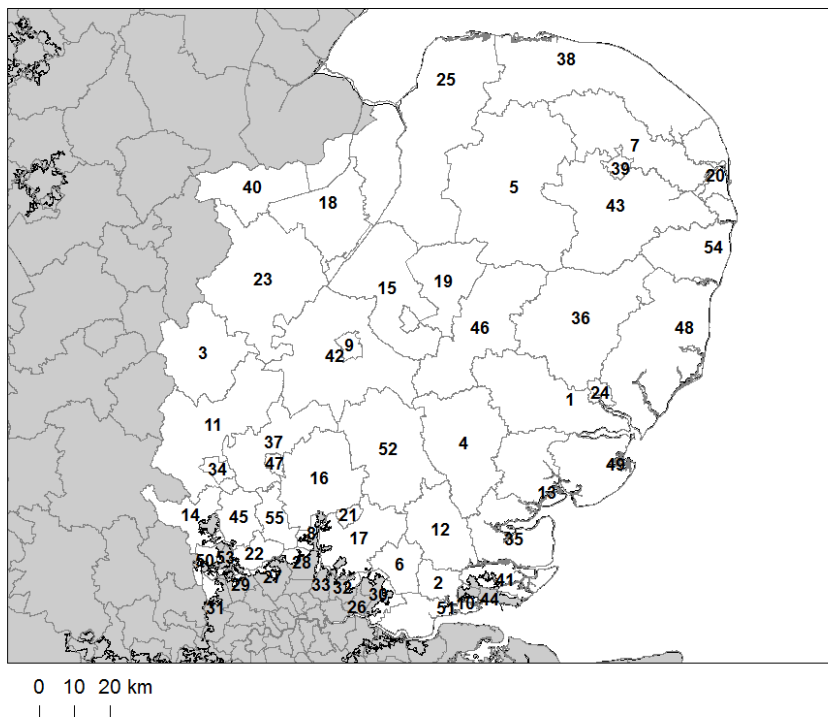
(Note: Local Authority boundaries do not necessarily coincide with zone boundaries. Hence Local Authorities may be listed within more than one zone plan.)

Figure 1: Map showing the extent of the Eastern non-agglomeration zone (UK0029).



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Figure 2: Map showing Local Authorities within the Eastern non-agglomeration zone (UK0029).



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2.2 Assessment details

Measurements

NO₂ measurements in this zone were available in 2015 from the following national network monitoring stations (NO₂ data capture¹ for each station in 2015 shown in brackets):

1. Cambridge Roadside GB0726A (95%)
2. Norwich Lakenfields GB0995A (86%)
3. Sandy Roadside GB0954A (98%)
4. St Osyth GB0754A (94%)
5. Stanford-le-Hope Roadside GB0924A (99%)
6. Thurrock GB0645A (97%)
7. Wicken Fen GB0045R (96%)
8. Luton A505 Roadside GB1047A (80%)

Full details of monitoring stations within the Eastern non-agglomeration zone are available from <http://uk-air.defra.gov.uk/networks/network-info?view=aurm>.

Modelling

Modelling for the 2015 reference year has been carried out for the whole of the UK. This modelling covers the following extent within this zone:

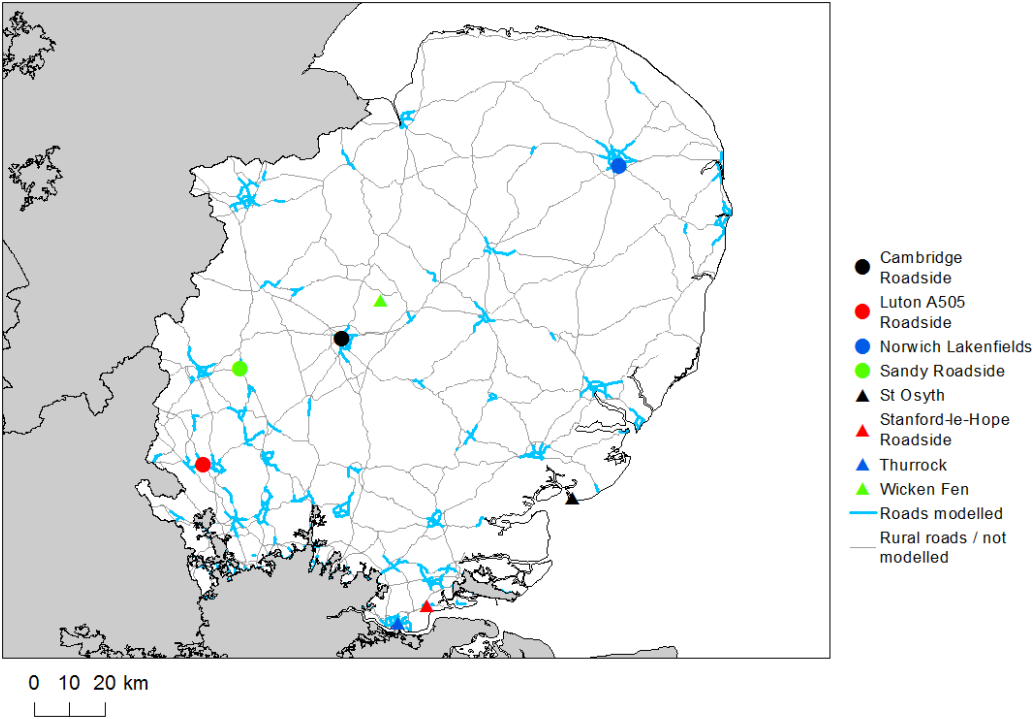
- Total background area within zone (approx): 19,491 km²
- Total population within zone (approx): 5,359,904 people

Zone maps

Figure 3 presents the location of the NO₂ monitoring stations within this zone for 2015 and the roads for which NO₂ concentrations have been modelled. NO₂ concentrations at background locations have been modelled across the entire zone at a 1 km x 1 km resolution.

¹Annual data capture is the proportion of hours in a year for which there are valid measurements at a monitoring station, expressed in this document as a percentage. The Implementing Provisions on Reporting (IPR) guidance requires that a minimum data capture of 85% is required for compliance reporting (that is 90% valid data, plus a 5% allowance for data loss due to planned maintenance and calibration). Monitoring stations with at least 75% data capture have been included in the modelling analysis to ensure that a greater number of operational monitoring sites have been used for model calibration and verification purposes. For more information on compliance reporting under European Directives see Section 2.3.

Figure 3: Map showing the location of the NO₂ monitoring stations with valid data in 2015 and roads where concentrations have been modelled within the Eastern (UK0029) non-agglomeration zone.



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2.3 Air quality reporting

From 2001 to 2012 the UK has reported annually on air quality concentrations using a standard Excel questionnaire (Decision 2004/461/EC). These questionnaires are available online from <http://cdr.eionet.europa.eu/gb/eu/annualair>. Since 2013 reporting has been via an e-reporting system (Decision 2011/850/EU) <http://cdr.eionet.europa.eu/gb/eu/>.

In addition, the UK has reported on air quality plans and programmes (Decision 2004/224/EC) since 2003. The most recent previous UK air quality plan for nitrogen dioxide was published in 2015. The plan and supporting documents are available at <https://www.gov.uk/government/collections/air-quality-plan-for-nitrogen-dioxide-no2-in-uk-2015> and the submission of this plan via e-reporting is published at <http://cdr.eionet.europa.eu/gb/eu/aqd/h/envvryhbq/>. Historic plans and programmes are available on <http://cdr.eionet.europa.eu/gb/eu/aqpp>.

3 Overall Picture for 2015 Reference Year

3.1 Introduction

There are two limit values for the protection of health for NO₂. These are:

- The annual limit value (annual mean concentration of no more than 40 μgm^{-3})
- The hourly limit value (no more than 18 hourly exceedances of 200 μgm^{-3} in a calendar year)

Within the Eastern non-agglomeration zone the annual limit value was exceeded in 2015. Hence, one exceedance situation for this zone has been defined, NO₂_UK0029_Annual_1, which covers exceedances of the annual limit value. This exceedance situation is described below.

3.2 Reference year: NO₂_UK0029_Annual_1

The NO₂_UK0029_Annual_1 exceedance situation covers all exceedances of the annual mean limit value in the Eastern non-agglomeration zone in 2015.

Compliance with the annual limit value in this exceedance situation has been assessed using a combination of air quality measurements and modelling. Table 1 presents measured annual concentrations at national network stations in this exceedance situation since the 1st Daughter Directive (1999/30/EC) came into force in 2001. This shows that there were no measured exceedances of the annual limit value in this zone in 2015.

Table 2 summarises the maximum modelled annual mean NO₂ concentrations in this exceedance situation for the period 2001 to 2014. For 2015, there were seven locations across the UK where the measured NO₂ concentration exceeded the annual mean limit value of 40 μgm^{-3} and the measured concentration was greater than the modelled concentration for the road link adjacent to the monitoring station. In these situations, the measured 2015 annual mean concentration is used as the reference year value. This is a precautionary approach taking the higher NO₂ concentration out of the modelled and measured concentration at the location of monitoring stations in 2015. Where these measured concentrations correspond to the maximum concentration in the zone, the measured 2015 concentrations are included in Table 2 in place of modelled concentrations, for consistency with the projections (see Section 5.3). For years prior to 2015 only modelled results are presented in Table 2.

In the Eastern non-agglomeration zone the measured concentration at one monitoring station, Luton A505 Roadside (GB1047A; $45 \mu\text{g}\text{m}^{-3}$), exceeded the annual mean limit value in 2015 and was greater than the modelled concentration at the adjacent road link (traffic count point 81080 on the A505) of $42 \mu\text{g}\text{m}^{-3}$. The road length in exceedance presented in Table 2 includes the length of road associated with traffic count point 81080 of 1.2 km.

Table 2 shows that, in 2015, 29.9 km of road length was modelled to exceed the annual limit value. There were no modelled background exceedances of the annual limit value. The models are updated each year to take into account the most up-to-date science, so the modelled results for different years may not be directly comparable. Maps showing the modelled annual mean NO_2 concentrations for 2015 at background and at roadside locations are presented in Figures 4 and 5 respectively (note that Figure 5 also includes the measured exceedance at Luton A505 Roadside). All modelled (and measured) exceedances of the annual limit value are coloured orange or red in the maps.

The modelling carried out for this exceedance situation has also been used to determine the annual mean NO_x source apportionment for all modelled locations. Emissions to air are regulated in terms of oxides of nitrogen (NO_x), which is the term used to describe the sum of nitrogen dioxide (NO_2) and nitric oxide (NO). Ambient NO_2 concentrations include contributions from both directly emitted primary NO_2 and secondary NO_2 formed in the atmosphere by the oxidation of NO. As such, it is not possible to calculate an unambiguous source apportionment specifically for NO_2 concentrations; therefore the source apportionment in this plan is presented for NO_x , rather than for NO_2 (for further details please see the UK Technical Report). Table 3 summarises the modelled NO_x source apportionment for the section of road with the highest NO_2 concentration in this exceedance situation in 2015. This is important information because it shows which sources need to be tackled at the location with the largest compliance gap in the exceedance situation.

Figure B.1 in Annex B presents the annual mean NO_x source apportionment for each section of road within the NO_2 _UK0029_Annual_1 exceedance situation (i.e. the source apportionment for all exceeding roads only) in 2015.

Table 1: Measured annual mean NO₂ concentrations at national network stations in NO2_UK0029_Annual_1 for 2001 onwards, μgm^{-3} (a). Data capture shown in brackets.

Site name (EOI code)	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Cambridge Roadside (GB0726A)	39 (97)	43 (94)	46 (89)	42 (97)	45 (96)	45 (90)	41 (97)	42 (99)	41 (97)	40 (96)	40 (95)	40 (80)	38 (99)	39 (93)	34 (95)
Norwich Centre (GB0684A)	28 (94)	25 (95)	25 (94)	21 (91)	23 (83)	21 (99)	22 (99)	29 (36)							
Norwich Forum Roadside (GB0862A)					34 (70)	35 (89)	31 (71)								
Norwich Lakenfields (GB0995A)									18 (25)	13 (91)	13 (92)	14 (98)	15 (97)	14 (99)	12 (86)
Norwich Roadside (GB0678A)	31 (94)	30 (98)	33 (98)	29 (98)	25 (12)										
Sandy Roadside (GB0954A)								39 (39)	46 (77)	38 (96)	35 (94)	35 (98)	32 (99)	31 (85)	32 (98)
St Osyth (GB0754A)		11 (62)	18 (93)	16 (91)	16 (93)	16 (95)	12 (92)	13 (87)	12 (96)	14 (95)	15 (95)	18 (97)	14 (97)	14 (95)	9 (94)
Stanford-le-Hope Roadside (GB0924A)								37 (91)	35 (97)	37 (97)	35 (99)	33 (93)	28 (96)	26 (99)	24 (99)
Thurrock (GB0645A)	36 (96)	36 (94)	38 (93)	35 (90)	35 (85)	33 (93)	34 (87)	32 (97)	31 (97)	29 (85)	28 (90)	29 (98)	27 (97)	27 (98)	26 (97)
Wicken Fen (GB0045R)	14 (88)	11 (85)	18 (60)	11 (73)	11 (99)	10 (97)	10 (86)	11 (94)	12 (94)	11 (97)	12 (96)	13 (88)	9 (99)	8 (74)	7 (96)
Luton A505 Roadside (GB1047A)															45 (80)

(a) Annual Mean Limit Value = 40 μgm^{-3}

Table 2: Annual mean NO₂ model results in NO₂_UK0029_Annual_1 for 2001 onwards.

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015(b)
Road length exceeding (km)	221.5	73.5	313.7	122.9	143.3	134.6	131.1	110.8	71.1	93.9	45.8	45.9	39.9	39.8	29.9
Background exceeding (km ²)	12	1	14	0	0	0	6	0	2	9	1	0	0	0	0
Maximum modelled concentration (μgm^{-3}) (a)	64.4	71.6	94.9	93.2	108.3	104.6	81.3	102.0	103.1	103.8	66	80	70	82	57

(a) Annual Mean Limit Value = 40 μgm^{-3}

(b) For 2015 the road length exceeding includes the road length associated with the traffic count point located adjacent to Luton A505 Roadside monitoring station (traffic count point 81080 on the A505). See text for more detail. For years prior to 2015, model results only are presented.

Table 3: Modelled annual mean NO_x source apportionment at the location with the highest NO₂ concentration in 2015 in NO2_UK0029_Annual_1 (µgm⁻³) traffic count point 78347 on the A40; OS grid (m): 506800, 185280) (d).

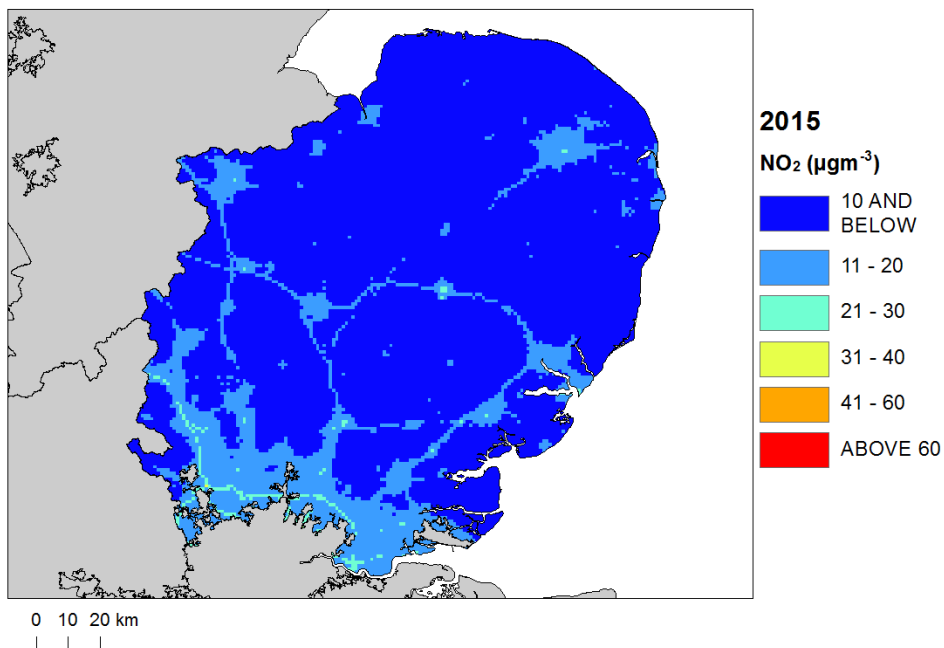
Spatial scale	Component	Concentration at highest road link (a)
Regional background sources NO _x (i.e. contributions from distant sources of > 30 km from the receptor).	Total	6.5
	From within the UK	3.8
	From transboundary sources (includes shipping and other EU member states)	2.7
Urban background sources NO _x (i.e. sources located within 0.3 - 30 km from the receptor).	Total	29.4
	From road traffic sources	20.4
	From industry (including heat and power generation)	1.7
	From agriculture	NA
	From commercial/residential sources	2.9
	From shipping	0.0
	From off road mobile machinery	2.0
	From natural sources	NA
	From transboundary sources	NA
From other urban background sources	2.4	
Local sources NO _x (i.e. contributions from sources < 0.3 km from the receptor).	Total	111.8
	From petrol cars	8.5
	From diesel cars	35.4
	From HGV rigid (b)	18.6
	From HGV articulated (b)	14.4
	From buses	5.2
	From petrol LGVs (c)	0.4
	From diesel LGVs (c)	26.8
	From motorcycles	0.3
From London taxis	2.2	
Total NO _x (i.e. regional background + urban background + local components)		147.7
Total NO ₂ (i.e. regional background + urban background + local components)		57

(a) Components are listed with NO_x concentration of NA when there is no source from this sector.

(b) HGV = heavy goods vehicle

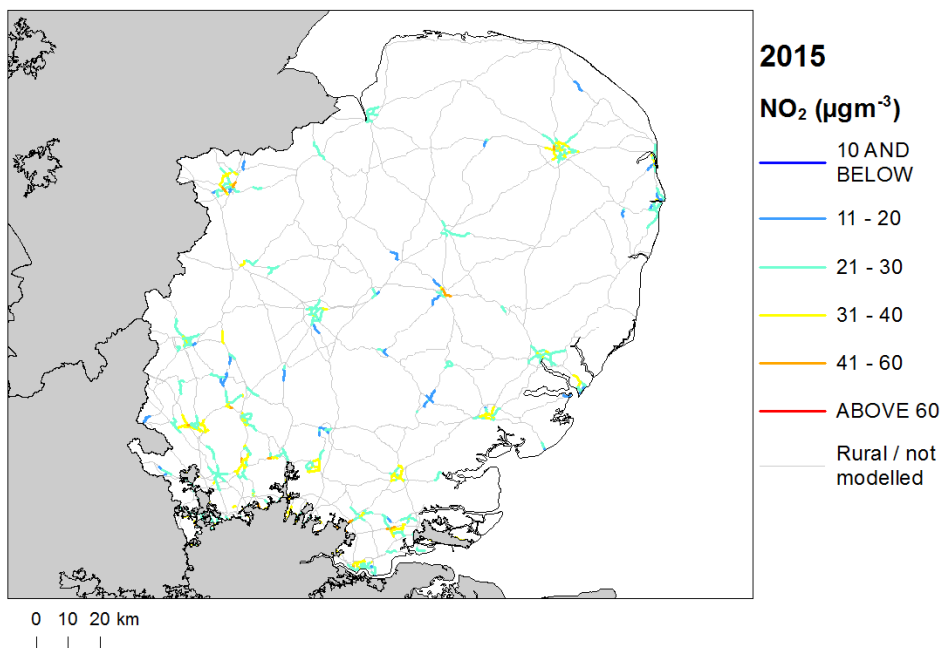
(c) LGV = light goods vehicle

Figure 4: Map of modelled background annual mean NO₂ concentrations 2015. Modelled exceedances of the annual limit value are shown in orange and red.



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Figure 5: Map of roadside annual mean NO₂ concentrations 2015. Modelled exceedances of the annual limit value are shown in orange and red.²



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²The NO₂ concentration presented for the traffic count point located adjacent to Luton A505 Roadside monitoring station (traffic count point 81080 on the A505) is the measured annual mean NO₂ concentration at Luton A505 Roadside monitoring station. See text for more detail.

4 Measures

4.1 Introduction

This section gives details of measures that address exceedances of the NO₂ limit values within Eastern non-agglomeration zone. This includes both measures that have already been taken and measures for which there is a firm commitment that they will be taken.

Section 5 then explains the extent to which it has been possible to incorporate the impacts of these measures into the baseline modelling carried out for this assessment.

4.2 Source apportionment

It is important to understand which sources are responsible for causing the exceedance in order to most effectively tailor measures to address the NO₂ exceedance situation described in Section 3 above. This can be achieved by considering the source apportionment for the exceedance situation, also presented in Section 3. A summary of what the source apportionment shows and the implications for which measures would therefore be appropriate is given here.

Local road traffic was the dominant source in this exceedance location in the reference year. The largest contribution was from diesel cars at the location of maximum exceedance with a contribution of 35.4 µgm⁻³ of NO_x out of a total of 147.7 µgm⁻³ of NO_x. Diesel cars, diesel LGVs and on one road articulated HGVs were important sources on the motorway roads with the highest concentrations in this exceedance situation. Diesel cars, diesel LGVs and on some roads rigid HGVs were important sources on the primary roads with the highest concentrations. Articulated HGVs and diesel cars were important sources on the trunk roads with the highest concentrations.

This indicates that appropriate measures should impact on local road traffic sources in this zone. Other measures to address the urban background sources may also be beneficial.

4.3 Measures

Measures potentially affecting NO₂ in this non-agglomeration zone have been taken and/or are planned at a range of administrative levels. These are:

- European Union
- National (i.e. England, Scotland, Wales, Northern Ireland or whole UK)
- Local (i.e. UK Local Authorities)

Details of European Union measures (e.g. Euro Standards, Fuel Quality Directives, Integrated Pollution Prevention and Control) can be found on the European Commission's website (http://ec.europa.eu/environment/air/index_en.htm). Details of national measures are given in the UK overview document.

Relevant Local Authority measures within this exceedance situation are listed in Table C.1 (see Annex C). Table C.1 lists measures which a local authority has carried out or is in the process of carrying out, plus additional measures which the local authority is committed to carrying out or is investigating with the expectation of carrying out in the future.

Common themes of actions taken by Local Authorities are apparent and focus on shifting transport away from using cars to alternative modes of sustainable transport such as cycling and walking.

The overarching objective for the region is to lower the levels of air pollution through a range of measures that will help to achieve that goal. A modal shift away from using cars to the promotion of cycling, including expansion of infrastructure, with new cycle-ways and parking facilities to increasing walking opportunities. This will build on policies and measures for lower speed limits, improving bus information, increasing provision of public transport and increasing the number of park and rides. The HGV sector has faced scrutiny through finding alternative routes and improving driving efficiency.

The promotion of travel plans to work and school to reduce reliance on cars will help to reduce emissions and will also improve traffic flow so easing congestion. There is encouragement for greater uptake of cleaner engines e.g. electric and provide electric vehicle charge points. From a transport perspective, hybrid buses are being introduced into the fleet from diesel to less polluting alternatives while improvements to public transport links are happening. Buses are being retrofitted to bring them up to Euro V standard.

Measures taken in the Greater London Urban Area to address exceedances on road links under the control of the Greater London Authority will also have an impact in the Eastern Zone. More detailed information on the measures can be found in the Greater London Urban Area plan.

4.4 Measures timescales

Timescales for national measures are given in the UK overview document.

Local Authorities report on progress with the implementation of their action plans annually and review action plan measures regularly. Information on local measures was collected in February/March 2015. Local authorities were asked to review and, where necessary, provide updates to measures in March/April 2017. Hence, any Local Authority action plans and measures adopted by Local Authorities after this time have not been included in this air quality plan, unless additional information was provided during the consultation process.

The reference year for this air quality plan is 2015. Where measures started and finished before 2015, then the improvement in air quality resulting from these measures will have already taken place before the reference year and the impact of these measures will have been included in the assessment where the measure has had an impact on the statistics used to compile the emission inventory. Many measures started before the reference year and will continue to have a beneficial impact on air quality well beyond the reference year. Measures with a start date before 2015 and an end date after 2015 may have an impact on concentrations in the reference year and a further impact in subsequent years. Where the Status column in Annex C is 'Implementation', this shows that this measure is already underway or that there is a commitment for this measure to go ahead. Where the Status is 'Planning', 'Preparation' or 'Other' the level of commitment is less clear and it is possible some of these measures may not go ahead.

5 Baseline Model Projections

5.1 Overview of model projections

Model projections for each year from 2017 to 2030, starting from the 2015 reference year described in Section 3, have been calculated in order to determine when compliance with the NO₂ limit values is likely to be achieved on the basis of EU, regional and local measures currently planned. Details of the methods used for the baseline emissions and projections modelling are provided in the UK technical report.

For national measures, it has not been possible to quantify the impact of all measures on emissions and ambient concentrations. The impact for all quantifiable measures has been included in the baseline projections.

The impacts of the individual Local Authority measures have not been explicitly included in the baseline model projections. However, measures may have been included implicitly if they have influenced the traffic counts for 2015 (used as a basis for the compilation of the emission inventory) or in the traffic activity projections to 2020 and beyond (used to calculate the emissions projections). It should be recognised that these measures will have a beneficial impact on air quality, even if it has not been possible to quantify this impact here.

5.2 Baseline projections: NO₂_UK0029_Annual_1

Table 4 presents summary results for the baseline model projections for each year from 2017 to 2030 for the NO₂_UK0029_Annual_1 exceedance situation. At locations where the measured NO₂ concentration in 2015 exceeded the annual mean limit value of 40 μgm^{-3} and the measured concentration was greater than the modelled concentration for the road link adjacent to the monitoring station, projections have been calculated using the measured concentration in 2015 as the starting point. The trend in concentration reductions shown by the modelled projection for the adjacent traffic count point has been used to project the 2015 measured concentrations forward. This is a precautionary approach to provide the best prediction of future concentrations and the corresponding year that compliance with the NO₂ limit values is projected to be achieved for the measured 2015 exceedance. For all other locations the modelled projections of NO₂ and NO_x concentrations start from the modelled concentration for the base year 2015. In the Eastern non-agglomeration zone the measured concentration at one monitoring station, Luton A505 Roadside (GB1047A, 45 μgm^{-3}), exceeds the annual mean limit value and is greater than the modelled concentration at the adjacent road link (traffic count point 81080 on the A505) of 42 μgm^{-3} . At this location concentration projections start from the measured concentration of 45 μgm^{-3} .

Table 4 shows that the maximum modelled annual mean NO₂ concentration predicted for 2020 in this exceedance situation is 46 μgm^{-3} . By 2022, the maximum modelled annual mean NO₂ concentration is predicted to drop to 40 μgm^{-3} . Hence, the model results suggest that compliance with the NO₂ annual limit value is likely to be achieved by 2022 under baseline conditions.

Figure 6 and 7 presents maps of projected annual mean NO₂ concentrations at background and roadside locations respectively in 2022, the year at which compliance is achieved. For reference Figures 8 and 9 show maps of projected annual mean NO₂ concentrations in 2020, 2025 and 2030 for background and roadside locations respectively.

It should be noted that the baseline projections presented here include the impacts of some measures, where they can be quantified, that have already been or will be implemented.

Table 4: Annual mean NO₂ model results in NO₂_UK0029_Annual_1. (c, d)

	2015	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Road length exceeding (km)	29.9	21.3	12.0	7.1	5.3	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Background exceeding (km ²)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum modelled concentration NO ₂ (μgm ⁻³) (a)	57	54	51	49	46	43	40	38	36	34	33	31	30	28	27
Corresponding modelled concentration NO _x (μgm ⁻³) (b)	148	133	123	116	107	99	92	85	80	75	70	66	62	59	56

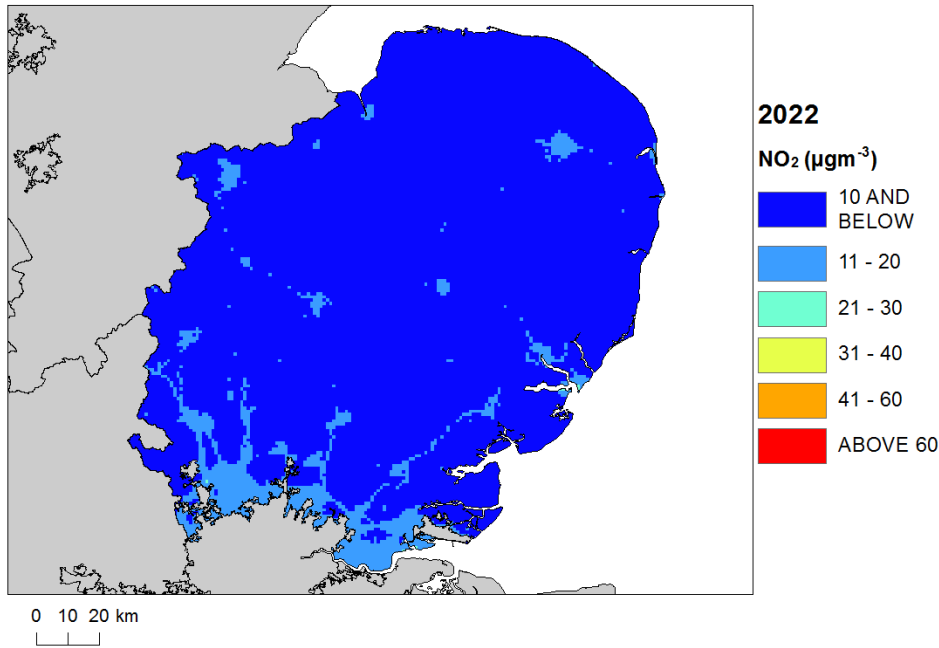
(a) Annual Mean Limit Value = 40 μgm⁻³

(b) NO_x is recorded here for comparison with the NO_x source apportionment graphs for 2015 presented in Annex B of this plan. Limit values for EU directive purposes are based on NO₂.

(c) Model results presented for 2015 include the measured concentration at Luton A505 Roadside (GB1047A) in place of the modelled concentration for traffic count point 81080 on the A505 (the road link adjacent to Luton A505 Roadside monitoring station). Therefore, the road length exceeding may differ from that derived solely from modelling. See Section 3.2 for more information.

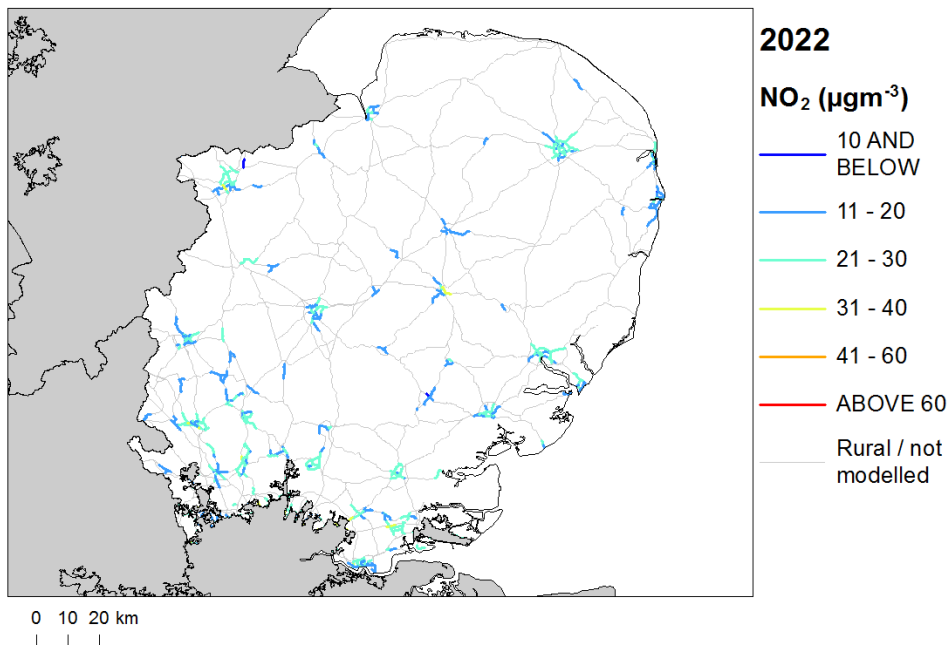
(d) Projected concentrations of NO₂ and NO_x at traffic count point 81080, the road link adjacent to Luton A505 Roadside(GB1047A) monitoring station, are projected from the 2015 measured annual mean concentrations of NO₂ and NO_x, respectively. See main text for more details.

Figure 6: Background baseline projections of annual mean NO₂ concentrations in 2022, the year at which compliance is achieved under baseline conditions. Modelled exceedances of the annual limit value are shown in orange and red.



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Figure 7: Roadside baseline projections of annual mean NO₂ concentrations in 2022, the year at which compliance is achieved under baseline conditions. Modelled exceedances of the annual limit value are shown in orange and red.³



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³The projected concentration of NO₂ at traffic count point 81080, the road link adjacent to Luton A505 Roadside (GB1047A) monitoring station, is projected from the 2015 measured annual mean concentration of NO₂. See main text for more details.

Figure 8: Background baseline projections of annual mean NO₂ concentrations in 2020, 2025 and 2030. 2015 is also included here for reference. Modelled exceedances of the annual limit value are shown in orange and red.

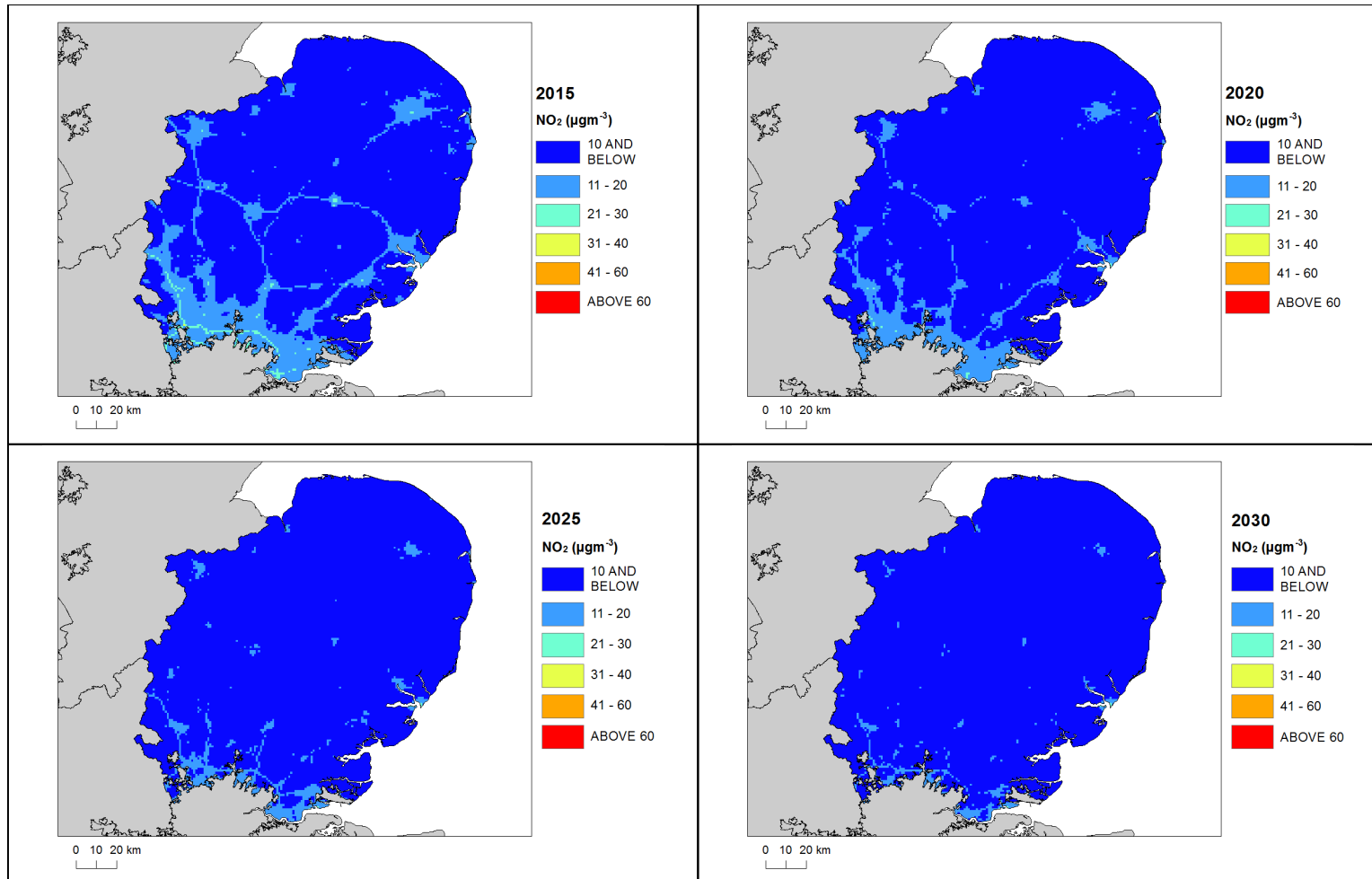
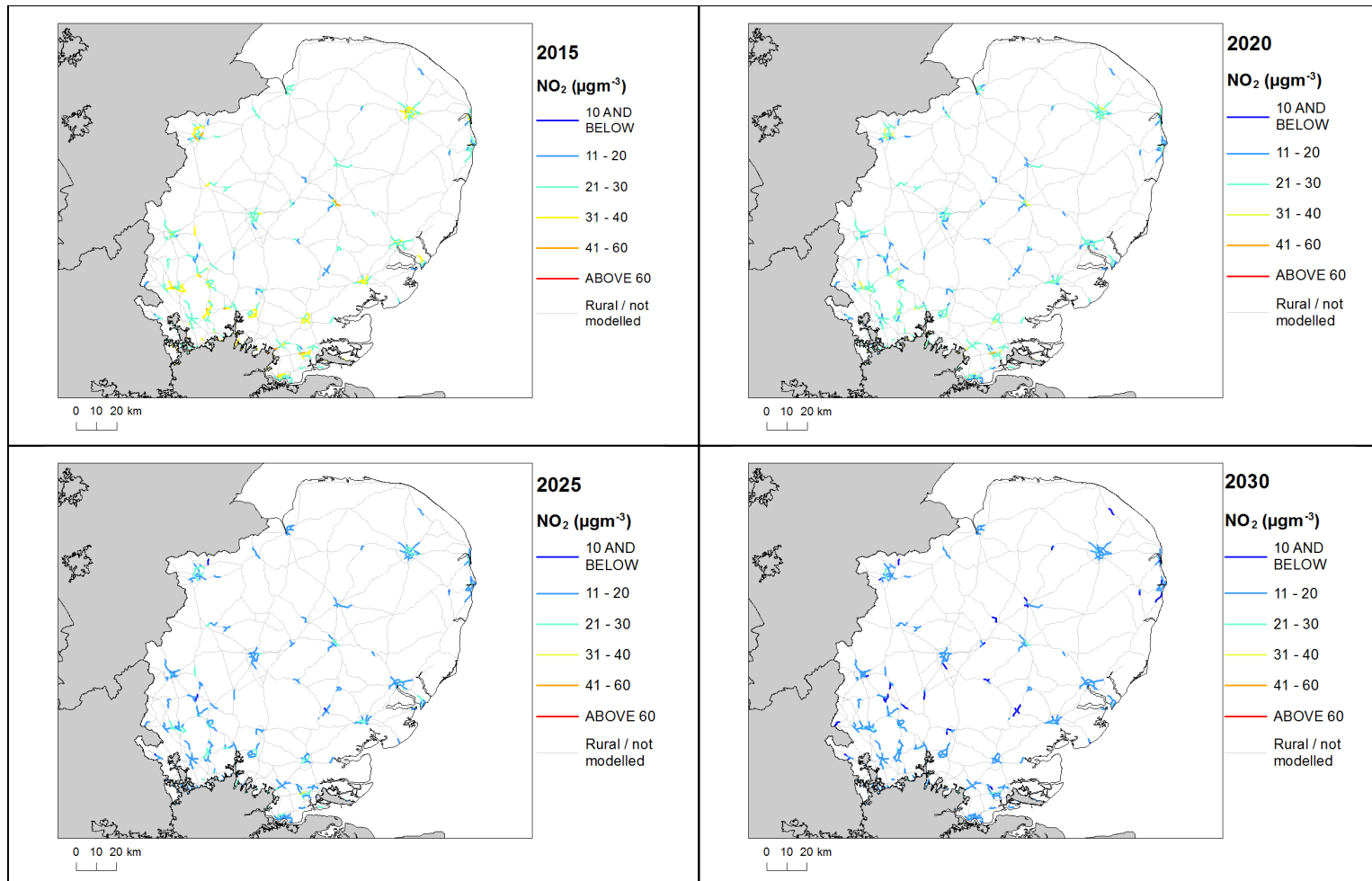


Figure 9: Roadside baseline projections of annual mean NO₂ concentrations in 2020, 2025 and 2030. 2015 is also included here for reference. Modelled exceedances of the annual limit value are shown in orange and red.⁴



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⁴The projected concentration of NO₂ at traffic count point 81080, the road link adjacent to Luton A505 Roadside (GB1047A) monitoring station, is projected from the 2015 measured annual mean concentration of NO₂. See main text for more details.

Annexes

A References

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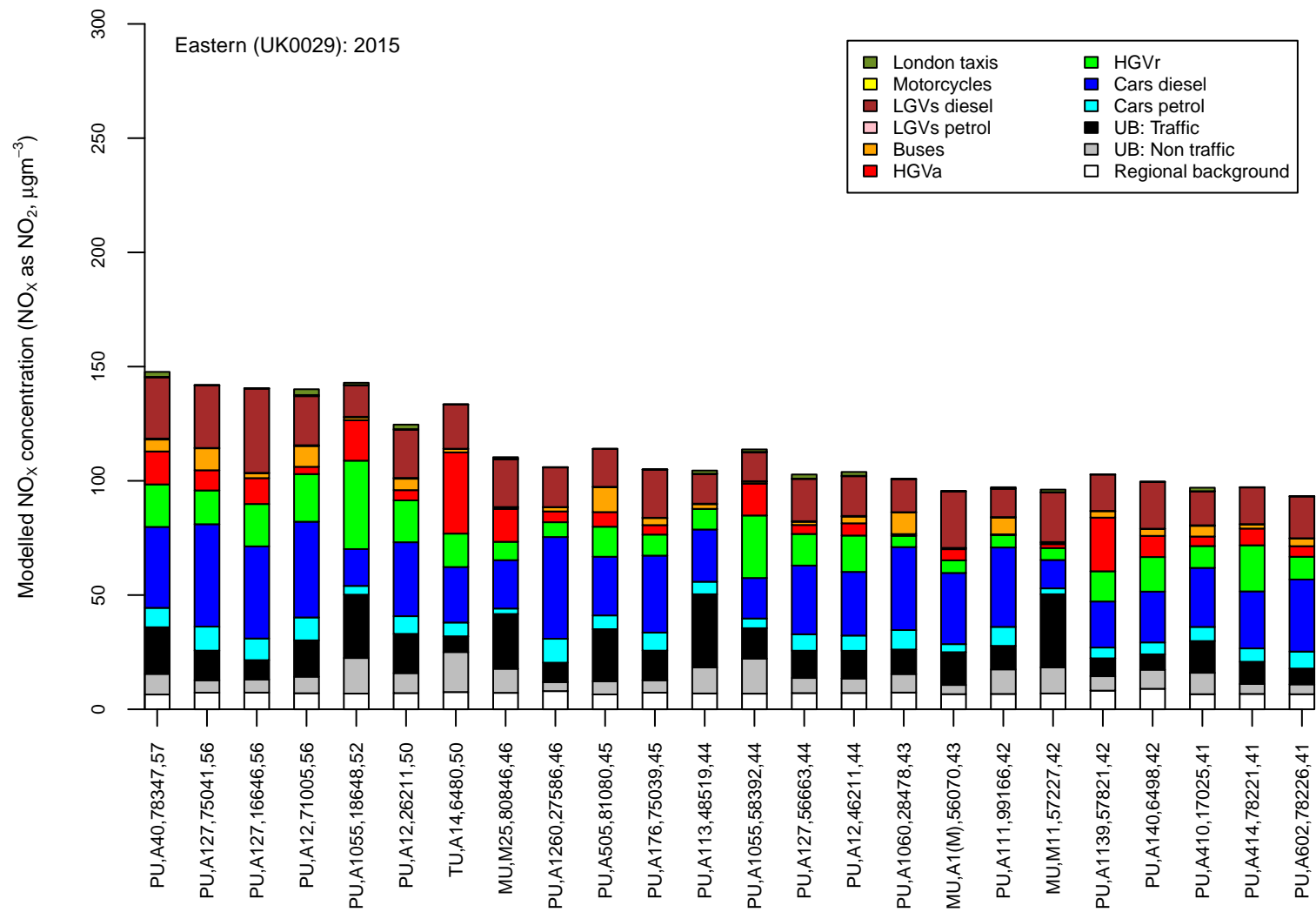
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B Source apportionment graphs

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Figure B.1: Annual mean roadside NO_x source apportionment plots for all roads exceeding the annual mean NO₂ limit value in 2015.



Road class (MU = motorway, PU = primary road, TU = trunk road), road number, census id 15 and modelled NO₂ concentration (μgm⁻³)

C Tables of measures

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Table C.1 Relevant Local Authority measures within Eastern (UK0029)

Measure code	Description	Focus	Classification	Status	Other information
Babergh District Council_1	Suffolk Planning and Air Quality Guidance	N/A	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2011 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_2	Removal of Build outs which restrict traffic flow within AQMA	N/A	Traffic planning and management: Other measure	Implementation	Start date: 2013 Expected end date: 2013 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_3	Explore the removal of Parking Bays which restrict traffic flows in the AQMA	N/A	Traffic planning and management: Other measure	Other	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_4	Investigate Redefining Strategic Lorry Route away from AQMA	N/A	Traffic planning and management: Freight transport measure	Other	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_5	Undertake feasibility of traffic management in Sudbury inc. air quality assessment	N/A	Traffic planning and management: Other measure	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_6	Explore Western Bypass in Sudbury and retain option in LTP3	N/A	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_7	Support Babergh District Council Carbon Management Plan	N/A	Public information and Education: Other mechanisms	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a

Measure code	Description	Focus	Classification	Status	Other information
Babergh District Council_8	Support the Greenest County Initiative.	N/A	Public information and Education: Other mechanisms	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_9	Engage with Freight Quality Partnership	N/A	Traffic planning and management: Freight transport measure	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_10	A12 Junction Changes and signage redirecting traffic away from AQMA	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_11	Improve Local Promotion of Public Transport	N/A	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_12	Promote Car Sharing	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_13	Review Babergh District Council Travel Plan	N/A	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_14	School Travel Plans	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_15	Encourage the implementaiton of Business Travel Plans within Babergh	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a

Measure code	Description	Focus	Classification	Status	Other information
Babergh District Council_16	Review Car Parking Charges	N/A	Traffic planning and management: Other measure	Other	Start date: 2011 Expected end date: 2011 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_17	Encourage uptake of Walking and Cycling in LTP3	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_18	Promote Personalised Travel Planning	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_19	Consider decriminalised parking	N/A	Traffic planning and management: Other measure	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_20	Review consultation mechanism between Environmental Protection and Planning following publication of the Suffolk Supplementary Planning Guidance	N/A	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2011 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_21	Ensure Air Quality in the LDF	N/A	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2011 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_22	Restrict Development in Cross Street	N/A	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_23	Consider development of s106 formula for air quality measures	N/A	Other measure: Other measure	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a

Measure code	Description	Focus	Classification	Status	Other information
Babergh District Council_24	Review Local Validation Requirements in light of Air Quality	N/A	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2011 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_25	Ensure that the bus station redevelopment doesn't adversely impact on AQMA	N/A	Other measure: Other measure	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_26	Obtain support from the Chilton Woods Developers for the AQAP	N/A	Other measure: Other measure	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_27	Specific Lorry Routes to the Chilton Woods Development	N/A	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_28	Review Planning and Air Quality Supplementary Planning Guidance at regular intervals	N/A	Other measure: Other measure	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_29	Provide Information about the AQMA to local schools	N/A	Public information and Education: Other mechanisms	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_30	Provide Information about the AQMA to residents	N/A	Public information and Education: Other mechanisms	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_31	Continue Air Quality Monitoring	N/A	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a

Measure code	Description	Focus	Classification	Status	Other information
Babergh District Council_32	Traffic Counts to feed into future Air Quality and Transport Planning	N/A	Traffic planning and management: Other measure	Implementation	Start date: 2011 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Babergh District Council_33	Promote Specific events e.g. National Bike Week	N/A	Public information and Education: Other mechanisms	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Barking and Dagenham, London Borough of_1	The Council will continue to lobby Transport for London (TfL) to consider improvements to their road network	Priorities for improvements include the A13 corridor and A13/Renwick Road and A13/Lodge Avenue junctions; the A12 corridor and A12/Whalebone Lane junction. These are the areas which suffer from particular problems of traffic congestion and poorer air quality.	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Completion of individual work packages Target emissions reduction: Not available
Barking and Dagenham, London Borough of_2	Continue to work with London Buses, TfL, neighbouring Boroughs and bus operators to improve reliability and efficiency of bus services by attending regular meetings and discussing local problems	Priorities include exploring the potential for new or improved bus services, including new north/south routes between Marks Gate/Chadwell Heath and Barking Town Centre and Dagenham to enhance connectivity and to maximise the economic benefits of Crossrail; additional east-west bus service improvements in the London Riverside area, providing greater connectivity to the Royal Docks and Canary Wharf; providing added capacity on key bus routes serving Barking Town Centre to ease overcrowding; and extending Route 5 services to Queen's Hospital to provide a direct link to a range of health services for people in Barking.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: The Council is in regular dialogue with TfL and hosts quarterly Public Transport Liaison Group (PTLG) meetings where issues regarding bus services/operations are discussed. Target emissions reduction: Not available

Measure code	Description	Focus	Classification	Status	Other information
Barking and Dagenham, London Borough of_3	Improve footpaths, signage and directions to encourage people to walk and continue to extend the 'Just Walk' scheme	A key focus of our work here will be the continuation of Living Streets led 'Walking Audits' to inform the development of high quality pedestrian/walking schemes and running travel awareness initiatives, such as Living Streets' 'Walk to School' campaign. This highly successful initiative was developed to promote healthier and 'greener' travel amongst children and adults. Other travel awareness events, such as the highly successful 'Walk to Work Week' coordinated by TfL, will also be considered in future. We will continue to implementing new walking schemes, focusing on the provision of new pedestrian facilities, including new footways and crossing facilities; a variety of promotion and publicity campaigns; and comprehensive pedestrian training and activity programmes.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Not available upon submission Target emissions reduction: Not available
Barking and Dagenham, London Borough of_4	Support the provision of better facilities at bus and rail stations and routes between the two	The main focus is on undertaking station access improvement works at Dagenham East and Becontree Underground stations, leveraging in joint funding from TfL and Network Rail. The installation of lifts at Dagenham East station to provide step-free station-to-platform access is a key priority. Work at Becontree station will focus on improving pedestrian access to the station, as well as upgrading cycling facilities and rationalising waiting/loading arrangements. Opportunities to undertake improvements at Dagenham Dock and Upney stations will be investigated further.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Completion of upgrades Target emissions reduction: Not available

Measure code	Description	Focus	Classification	Status	Other information
Barking and Dagenham, London Borough of_5	Ensure that the need to travel by private car or by lorries other than for essential trips is reduced while accepting the role of the car and the lorry in helping to meet transport needs	We are continuing our work with residents, local business, schools and other organisations to develop and implement travel strategies with the aim of reducing car use and promote more sustainable travel habits. A key area for development is the need to manage and mitigate against the impact of freight operations in the borough. We are promoting the use of cleaner/environmentally friendly vehicles to reduce emissions and improve air quality in the borough.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Monitoring change to parking permit categories which are based on emission characteristics Target emissions reduction: Not available
Barking and Dagenham, London Borough of_6	Support measures to manage travel demand in the Borough and encourage alternative travel modes to the car through traffic management measures. The road network should be managed to give priority to essential road users, environmental improvement, pedestrian safety, and safety of all users	Walking and cycling are low cost, healthy and environmentally friendly means of travel and form an important component of our Delivery Plan. A key focus of our work here will be the implementation of safe, continuous cycle route infrastructure as part of TfL's 'Quietways' programme, and the continuation of Living Streets led 'Walking Audits' to inform the development of high quality pedestrian/walking schemes. In addition, measures such as vehicle restrictions and better signing can help alleviate environmental concerns by routing HGVs away from sensitive areas, such as residential streets	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Complete infrastructure and signage improvements Target emissions reduction: Not available

Measure code	Description	Focus	Classification	Status	Other information
Barking and Dagenham, London Borough of_7	Seek improvements to the public transport network that provides for the needs of residents, businesses and employees in the Borough without significant adverse impact on the environment	The Council is continuing to Lobby for new rail based public transport infrastructure and services. Priorities include a new rail link to Barking Riverside to unlock the development potential of the site and deliver much needed new housing; a direct rail link between Barking and Stratford to enhance connectivity to this important regional hub and to maximise the economic regeneration potential of the town centre; securing enhancements to station capacity at Barking to reduce overcrowding; and exploring the potential of extending river services to Barking and Dagenham, via the new development at Barking Riverside.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Completion of new infrastructure and implementation of new public transport services Target emissions reduction: N/A
Barking and Dagenham, London Borough of_8	Encourage its employees to use public transport for work related journeys by considering measures such as free bus and tube passes. This will reduce road congestion, increase use of public transport and set an example to other employers in the Borough. It will also give the Council a greater interest in ensuring that public transport is clean, safe and convenient and should result in saving money for the Council	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: When commenced modal shift Target emissions reduction: Not available
Barking and Dagenham, London Borough of_9	Seek to protect and improve conditions for cyclists and pedestrians and will develop a range of actions in pursuit of the strategy	We are continuing to implement new cycling and walking schemes, focusing on the provision of new cycling/pedestrian facilities, including new cycle paths/footways, crossing facilities and cycle parking facilities; a variety of promotion and publicity campaigns, such as an updated borough cycle map; and comprehensive cycle and pedestrian training and activity programmes. Central to our approach is the proposal to establish Barking as a key cycling hub, either through designation as one of the 'mini-Holland' pilot schemes, or through the Mayor's Borough Cycling Programme	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Adoption of new schemes Target emissions reduction: Not available

Measure code	Description	Focus	Classification	Status	Other information
Barking and Dagenham, London Borough of_10	Seek to understand the social and structural barriers that prevent people from cycling where it should be convenient to do so and to find ways to overcome those barriers. The Council will liaise with TfL Centre of Cycling Excellence to obtain assistance in developing a cycling strategy	We are running travel awareness initiatives, such as Sustrans' 'Active Travel' programme	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: This highly successful initiative was developed to promote healthier and 'greener' travel amongst children and adults. Other travel awareness events, such as the highly successful 'Cycle to Work Week', coordinated by TfL, will also be considered in future Target emissions reduction: Not available
Barking and Dagenham, London Borough of_11	Ensure that schools encourage pupils and staff to cycle or walk to school and that adequate facilities are provided to enable this, including a network of safer routes and undercover cycle parking. Utilise planning conditions or section 106 agreements and work with developers to produce travel plans, which have measurable outcomes and consider financial penalties to secure compliance	We are developing and monitoring travel strategies for schools, businesses and new developments as a focus for raising awareness of the need to reduce vehicle emissions and improve air quality in the borough and to increase mode share of journeys by sustainable modes of transport. Green Infrastructure projects at a school funded through Mayors Air Quality Fund (MAQF) will aim to mitigate air pollution. Infrastructure will assist in raising awareness of green travel, and assist in modal shift and lessons learned will be disseminated	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: The funding from the MAQF will assist raising awareness and understanding near the project school. Target emissions reduction: Not available, measurement evaluation ongoing
Barking and Dagenham, London Borough of_12	Publicise the advantages and benefits of walking for shorter journeys. Promote and arrange for safer routes to school and organise walking buses along these routes. Steps will be taken to discourage parents from driving children to school	We are running travel awareness initiatives, such as Sustrans' 'Active Travel' programme and Living Streets' 'Walk to School' campaign. These highly successful initiatives were developed to promote healthier and 'greener' travel amongst children and adults. Other travel awareness events, such as the highly successful 'Walk to Work Week' and 'Cycle to Work Week', coordinated by TfL, will also be considered in future.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: The funding from the MAQF will assist raising awareness and understanding near the project school. Target emissions reduction: This part of the MAQF project has yet to begun

Measure code	Description	Focus	Classification	Status	Other information
Barking and Dagenham, London Borough of_13	Take steps to limit the levels of private car use by Council employees in order to set an example to other employers	Car Club is playing an important role in helping to tackle congestion by providing access to a car for essential journeys without the need to own one. We are currently working with Streetcar to identify other suitable locations in the borough where we can install new car club bays, particularly where there is a clear demand for this service. As part of our travel plan commitments, we are also exploring the potential of the Council joining the scheme as a corporate member.	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Operating from four different locations within Barking Town Centre, the Car Club currently has over 200 members locally, with more joining every month. Target emissions reduction: Not available
Barking and Dagenham, London Borough of_14	Support the transport proposals in conjunction with the Thames Gateway Regeneration	Council continues to play a vital role in the development and delivery of the East London Sub Regional Transport Plan (ELSRTP),	Traffic planning and management: Freight transport measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Working closely with TfL and neighbouring authorities on a wide range of transport initiatives Target emissions reduction: Not available
Barking and Dagenham, London Borough of_15	Continue to provide Operator Forums to encourage networking between operators of similar processes and to provide information and advice about legal requirements and developments within each sector	Awareness	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Raising awareness and practices Target emissions reduction: Not available
Barking and Dagenham, London Borough of_16	Promote the car-sharing scheme and encourage staff to take part	Reduction in staff vehicles into the Borough	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Uptake of car sharing Target emissions reduction: Not available upon submission
Barking and Dagenham, London Borough of_17	Support and encourage an increase in the use of the River Thames as a freight corridor.	Reduce HGVs	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Consents granted to use wharfs and rails Target emissions reduction: Not available upon submission

Measure code	Description	Focus	Classification	Status	Other information
Barking and Dagenham, London Borough of_18	Actively support the movement of freight in and out of the Borough	Reducing HGVs	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Consents granted to use wharfs and rails Target emissions reduction: Not available upon submission
Barking and Dagenham, London Borough of_19	The Council will ensure that district heating, CHP and renewable energy are considered for large-scale housing developments in the Borough including the new waterfront developments at Barking Reach and Dagenham Docks and in the Heath Park area.	CHP/NO2/PM10 emissions. Promoting neutrality	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Conditions applied on permissions Target emissions reduction: N/A
Barking and Dagenham, London Borough of_20	Through Planning, the Council will provide support for embedded photovoltaic generation and provide information and assistance to developers.	Solar energy	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Conditions applied on permissions Target emissions reduction: Not available upon submission
Barking and Dagenham, London Borough of_21	Investigate best practice solar water heating and ensure that information is provided to all developers at the appropriate planning stage.	Solar water heating	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Conditions applied on permissions Target emissions reduction: Not available
Barking and Dagenham, London Borough of_22	School Travel Plans	Negotiate targets for percentage of children walking, cycling or using public transport to get to school as part of the School Travel Plans process for each school. Similar targets can be negotiated of employees travel in Business Travel Strategies.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Barking and Dagenham, London Borough of_23	Promotion of cycling	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Barking and Dagenham, London Borough of_24	Promotion of walking	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Barking and Dagenham, London Borough of_25	Reduction of speed limits, 20mph zones	N/A	Traffic planning and management: Reduction of speed limits and control	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Barking and Dagenham, London Borough of_26	Cycle network	N/A	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Barking and Dagenham, London Borough of_27	Bus route improvements	N/A	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Barking and Dagenham, London Borough of_28	Reducing dust emission from commercial sites in particular construction and permitted sites	Track Out, stockpiles and practices	Permit systems and economic instruments: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction in number of complaints Target emissions reduction: Not available
Barnet, London Borough of_1	Carry out vehicles emissions testing	Carry out vehicles emissions testing	Other measure: Other measure	Implementation	Start date: 2003 Expected end date: 2004 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Barnet, London Borough of_2	Introduce penalties for stationary vehicles with idling engines	Introduce penalties for stationary vehicles with idling engines	Other measure: Other measure	Implementation	Start date: 2003 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Barnet, London Borough of_3	Make the Borough a Low Emission Zone (LEZ) for certain categories of vehicles by including the Borough in a London-wide LEZ	Make the Borough a Low Emission Zone (LEZ) for certain categories of vehicles by including the Borough in a London-wide LEZ	Traffic planning and management: Low emission zones	Implementation	Start date: 2008 Expected end date: 2025 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Barnet, London Borough of_4	Improve traffic flow in town centres by improved coordination of traffic lights	Improve traffic flow in town centres by improved coordination of traffic lights	Traffic planning and management: Other measure	Implementation	Start date: 2001 Expected end date: 2011 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Barnet, London Borough of_5	Improve traffic flow in general	Improve traffic flow in general	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2002 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Barnet, London Borough of_6	Introduce Controlled Parking Zone (CPZ)	Introduce Controlled Parking Zone (CPZ)	Traffic planning and management: Management of parking places	Implementation	Start date: 2001 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Barnet, London Borough of_7	Promote alternative forms of transport for businesses/ commercial properties	Promote alternative forms of transport for businesses/ commercial properties	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2001 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Barnet, London Borough of_8	Promote alternative forms of transport and fuels in the Council and other public services	Promote alternative forms of transport and fuels in the Council and other public services	Other measure: Other measure	Implementation	Start date: 2001 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Barnet, London Borough of_9	Promote alternative forms of transport in schools	Promote alternative forms of transport in schools	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2001 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Barnet, London Borough of_10	Promote public transport	Promote public transport	Public information and Education: Internet	Implementation	Start date: 2001 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Barnet, London Borough of_11	Promote design that reduces the need for travel	Promote design that reduces the need for travel	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2001 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Barnet, London Borough of_12	Promote alternative forms of fuel for vehicles	Promote alternative forms of fuel for vehicles	Public procurement: Other measure	Implementation	Start date: 2001 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Barnet, London Borough of_13	Encourage cleaner energy sources for buildings	Encourage cleaner energy sources for buildings	Public procurement: Low emission fuels for stationary and mobile sources	Implementation	Start date: 2001 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Off-road machinery Indicator: N/A Target emissions reduction: N/A
Barnet, London Borough of_14	Encourage more efficient energy generation and use	Encourage more efficient energy generation and use	Public procurement: Low emission stationary combustion sources	Implementation	Start date: 2001 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Barnet, London Borough of_15	Promote good design and location of new development	Promote good design and location of new development	Other measure: Other measure	Implementation	Start date: 2001 Expected end date: 2015 Spatial scale: Whole agglomeration Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Barnet, London Borough of_16	Encourage composting in the community	Encourage composting in the community	Public information and Education: Internet	Implementation	Start date: 2001 Expected end date: 2015 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Barnet, London Borough of_17	Control air pollution from industrial / commercial and residential sources	Control air pollution from industrial / commercial and residential sources	Permit systems and economic instruments: IPPC permits	Implementation	Start date: 2001 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Industry including heat and power production Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Barnet, London Borough of_18	Monitor air quality	Monitor air quality	Public information and Education: Internet	Implementation	Start date: 2001 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Basildon District Council_1	In 1995, as a result of the Government publication "Meeting the Challenge" and the aspirations of local government to undertake more local air quality work in Essex, the Essex Air Quality Consortium was formed.	N/A	Other measure: Other measure	Evaluation	Start date: 2000 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Basildon District Council_2	Basildon is covered by the Essex County Council Local Transport Plan (LTP).	N/A	Other measure: Other measure	Evaluation	Start date: 2000 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Bedford Borough Council_1	Bedford Borough Council will increase its air quality monitoring in and around AQMA's 2 and 3.	Gaining a fuller understanding of levels across the AQMA's	Public information and Education: Other mechanisms	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Minimum of 38 monitoring locations in Town Centre Target emissions reduction: N/A
Bedford Borough Council_2	Bedford Borough Council will further encourage the use of County Hall car parking at weekends by shoppers/visitors, including improved signing of this facility.	Encouraging park and walk on the outskirts of the town centre	Traffic planning and management: Other measure	Implementation	Start date: 2007 Expected end date: 2013 Spatial scale: Whole town or city Source affected: Transport Indicator: The opening of car parks on the edge of the town centre Target emissions reduction: N/A
Bedford Borough Council_3	Bedford Borough Council will update urban traffic control in central Bedford by modernising the Scoot System, including a review of signalling junctions in order to (a) reduce standing/slow moving traffic and (b) support increased bus travel by assisting the introduction of bus priority where practicable.	Improving traffic flow and reducing congestion	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2011 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: The replacement of hardware and software, along with the implementation of SCOOT Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Bedford Borough Council_4	Bedford Borough Council will advise on how best to ensure that new development can assist bus travel, smarter choices, walking/cycling etc in accordance with national/local policies.	Reducing emissions by encouraging sustainable travel choices	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2009 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Ensuring that advice is available for developers to proactively plan for sustainable travel choices within new developments Target emissions reduction: N/A
Bedford Borough Council_5	Bedford Borough Council will continue to collaborate in seeking to implement the Bedford Western Bypass.	Reducing town centre emissions by removing through traffic from the A6 by having it bypass the town.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: The provision of the bypass Target emissions reduction: N/A
Bedford Borough Council_6	Bedford Borough Council, as Building Control Authority, will provide guidance to developers who have submitted building regulation applications to Bedford Borough Building Control on how best to meet technical standards which relate to conservation of fuel and power as set out in the Building Regulations 2000 (as amended).	Reducing emissions through energy use reduction	Other measure: Other measure	Implementation	Start date: 2009 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: The provision of advice Target emissions reduction: N/A
Bedford Borough Council_7	Bedford Borough Council will continue to collaborate in detrafficking the High Street, Bedford and St Paul's Square (north), Bedford.	The reduction of emissions in the town centre, focussing on the busiest and canyoned areas.	Traffic planning and management: Encouragement of shift of transport modes	Planning	Start date: 2007 Expected end date: 2011 Spatial scale: Local Source affected: Transport Indicator: The detrafficking of the High Street and St Pauls Square Target emissions reduction: N/A
Bedford Borough Council_8	Steering Group members will collaborate in a joint scheme promoting public awareness of air quality.	The provision of Air Quality information through the Air Alert Scheme	Public information and Education: Other mechanisms	Evaluation	Start date: 2009 Expected end date: 2012 Spatial scale: Whole town or city Source affected: Transport Indicator: The provision of air quality information of vulnerable groups Target emissions reduction: N/A
Bedford Borough Council_9	Bedford Borough Council trialling pilot scheme for private hire vehicles to use bus lanes.	Reducing emissions by increasing the flow of private hire vehicles	Traffic planning and management: Other measure	Implementation	Start date: 2007 Expected end date: 2011 Spatial scale: Whole town or city Source affected: Transport Indicator: The use of bus lanes by private hire vehicles Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Bedford Borough Council_10	Bedford Borough Council will stimulate bus travel by the introduction of real time information systems at bus station/railway station/bus stops.	Reducing emissions by changing modes of transport towards sustainable transport	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2013 Spatial scale: Whole town or city Source affected: Transport Indicator: Provision of realtime bus information Target emissions reduction: N/A
Braintree District Council_1	Braintree D.C purchase and removal of building to allow two way traffic at South Street in Braintree Town Centre	Reduce traffic Congestion	Traffic planning and management: Other measure	Implementation	Start date: 2013 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: No AQMA
Braintree District Council_2	Adopted Road traffic Act powers to require switching off of engines	Education to reduce localised road traffic pollution	Traffic planning and management: Other measure	Other	Start date: 2008 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: No AQMA
Braintree District Council_3	Employee lease car subsidy for lower polluting vehicles	Reduce traffic air pollutants	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2013 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: No AQMA
Braintree District Council_4	Good driver awards for District Council employees to promote efficient fuel use	Education to reduce air traffic pollutants	Other measure: Other measure	Implementation	Start date: 2013 Expected end date: 2013 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: No AQMA
Braintree District Council_5	Green Travel plans promoted within local authority and through liaison with County Council	Sustainable travel and reduction of road traffic pollution	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2008 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: No AQMA

Measure code	Description	Focus	Classification	Status	Other information
Braintree District Council_6	Agreement with largest housing association in District in respect of inefficient boiler replacement policy	Sustainability and reduction of combustion emissions (low emissions)	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: No AQMA
Braintree District Council_7	Promotion of insulation to householders	Sustainability and reduction of combustion emissions (low emissions)	Other measure: Other measure	Implementation	Start date: 2008 Expected end date: 2008 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: No AQMA
Braintree District Council_8	Provision of electric vehicle charging points in Braintree and Witham	N/A	Public procurement: Other measure	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: No AQMA
Braintree District Council_9	Provision of solar panels to District Council office building and to two main leisure facility buildings in Braintree and Halstead	N/A	Other measure: Other measure	Implementation	Start date: 2013 Expected end date: 2015 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: No AQMA
Braintree District Council_10	Provision of CHP to new leisure/swimming pool building	Sustainability and reduction of combustion emissions (low emissions)	Public procurement: Low emission stationary combustion sources	Implementation	Start date: 2013 Expected end date: 2014 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: No AQMA
Braintree District Council_11	Rerouting of refuse HGV vehicles to alternative transfer station reducing vehicle mileage significantly	Sustainability and reduction of combustion emissions (low emissions)	Traffic planning and management: Freight transport measure	Implementation	Start date: 2013 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: No AQMA

Measure code	Description	Focus	Classification	Status	Other information
Braintree District Council_12	Change from gas oil to lpg at trailer coating premises	Reduce pollution and increase efficiency - reduction in combustion emissions	Permit systems and economic instruments: IPPC permits	Implementation	Start date: 2012 Expected end date: 2012 Spatial scale: Local Source affected: Industry including heat and power production Indicator: N/A Target emissions reduction: No AQMA
Braintree District Council_13	Installation of CHP at galvanising premises	Sustainability and reduction of combustion emissions (low emissions)	Permit systems and economic instruments: Other measure	Implementation	Start date: 2012 Expected end date: 2013 Spatial scale: Local Source affected: Industry including heat and power production Indicator: N/A Target emissions reduction: No AQMA
Braintree District Council_14	Installation of solar panels at window production process	Sustainability and reduction of combustion emissions (low emissions)	Permit systems and economic instruments: Other measure	Implementation	Start date: 2014 Expected end date: 2015 Spatial scale: Local Source affected: Industry including heat and power production Indicator: N/A Target emissions reduction: No AQMA
Braintree District Council_15	All district local authority green waste to a local newly built anaerobic digestion plant within the district linked to measure 11	Reduction of road traffic pollution and renewable fuel sources	Traffic planning and management: Freight transport measure	Implementation	Start date: 2013 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: No AQMA
Breckland District Council_1	Feasibility Study	Swaffham Town centre	Traffic planning and management: Encouragement of shift of transport modes	Preparation	Start date: 2015 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Brentwood Borough Council_1	Routine monitoring of NO2 levels in existing AQMAs and other areas, including background levels	N/A	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Brentwood Borough Council_2	Infrastructure measures at Wilson's Corner	N/A	Traffic planning and management: Other measure	Implementation	Start date: 2008 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Brentwood Borough Council_3	Installation of integrated demand management along the M25 Consideration of IDM and variable speed limits on the A12	N/A	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2009 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Brentwood Borough Council_4	The Council will consider extending or relocating the existing NO2 diffusion tube survey locations to monitor air quality 'hot spots'	N/A	Public information and Education: Other mechanisms	Implementation	Start date: 2013 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Brentwood Borough Council_5	Consider extending the monitoring network and/or carrying out further air quality monitoring in areas associated with major new developments. (Costs may be met by developer via S106 Agreement)	N/A	Public information and Education: Other mechanisms	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Brentwood Borough Council_6	Raise the profile of air quality in the Borough (probably in conjunction with climate change issues) using the Council website, newspaper, leaflets and the media	N/A	Public information and Education: Internet	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Brentwood Borough Council_7	Promote alternative methods of transport such as walking, cycling, buses and trains.	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Brentwood Borough Council_8	Contribute towards the Essex Air Quality Consortium and assist ECC with promoting awareness of air quality issues	N/A	Other measure: Other measure	Planning	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Brentwood Borough Council_9	To encourage existing large employers to produce and implement suitable travel plans	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Brentwood Borough Council_10	Quality Bus Partnership - Contribute towards the existing partnership arrangement.	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Brentwood Borough Council_11	Require potential developers to carry out air quality assessments as part of the planning process, should their development impact on AQMAs or significantly impact on areas close to being determined as AQMA.	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Broxbourne Borough Council_13	Car Share Scheme	Emission reduction	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2012 Spatial scale: Local Source affected: Transport Indicator: Lower car use Target emissions reduction: Unknown
Broxbourne Borough Council_14	Bike Purchase Scheme	Emission reduction	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2011 Spatial scale: Local Source affected: Transport Indicator: More people cycling Target emissions reduction: Unknown
Broxbourne Borough Council_15	Child Cycling Promotion	Emission reduction	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2011 Spatial scale: Local Source affected: Transport Indicator: More children cycling Target emissions reduction: Unknown
Broxbourne Borough Council_16	Declare Borough "Smokeless"	Emission reduction	Other measure: Other measure	Implementation	Start date: 2009 Expected end date: 2009 Spatial scale: Local Source affected: Other, please specify Indicator: Borough declared smokeless Target emissions reduction: Unknown
Broxbourne Borough Council_17	Low emission vehicles	Emission reduction	Public procurement: Other measure	Implementation	Start date: 2009 Expected end date: 2009 Spatial scale: National Source affected: Transport Indicator: Plug in use Target emissions reduction: Unknown

Measure code	Description	Focus	Classification	Status	Other information
Broxbourne Borough Council_18	Pool Cars	Emission reduction	Public procurement: Other measure	Implementation	Start date: 2009 Expected end date: 2009 Spatial scale: Local Source affected: Transport Indicator: Lower car use Target emissions reduction: Unknown
Broxbourne Borough Council_19	Local Transport Plan	Waltham Cross	Traffic planning and management: Other measure	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Improved traffic flow Target emissions reduction: Unknown
Broxbourne Borough Council_20	Local Transport Plan	Cheshunt	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Improved traffic flow Target emissions reduction: Unknown
Broxbourne Borough Council_21	Local Transport Plan	Broxbourne	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Improved traffic flow Target emissions reduction: Unknown
Broxbourne Borough Council_22	Local Transport Plan	Hoddesdon	Traffic planning and management: Other measure	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Improved traffic flow Target emissions reduction: Unknown
Broxbourne Borough Council_23	Homeworking	Emission reduction	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2011 Spatial scale: Whole agglomeration Source affected: Transport Indicator: More staff working from home Target emissions reduction: Unknown

Measure code	Description	Focus	Classification	Status	Other information
Cambridge City Council_1	Cambridgeshire Guided Busway	New route from St Ives to Trumpington, mostly on bus-specific land	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2008 Expected end date: 2011 Spatial scale: Local Source affected: Transport Indicator: Completion Target emissions reduction: Not applicable
Cambridge City Council_2	A14 improvements	New alignment and improvements	Traffic planning and management: Other measure	Planning	Start date: 2016 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Completion of proposed upgrading by 2015 Target emissions reduction: Not applicable
Cambridge City Council_3	New Roads	Link between Madingley Road and Huntingdon Road	Traffic planning and management: Other measure	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Completion Target emissions reduction: Not applicable
Cambridge City Council_4	Rail infrastructure	New station at Chesterton	Traffic planning and management: Improvement of public transport	Planning	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Opening Target emissions reduction: Not applicable
Cambridge City Council_5	Low emission zone	Areas that have lower speed limits, traffic restrictions and more pedestrian areas / cycle routes	Traffic planning and management: Other measure	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: Not applicable
Cambridge City Council_6	Reduction in speed limits	Create new areas of 20mph zones in Cambridge	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: Completion Target emissions reduction: Not applicable

Measure code	Description	Focus	Classification	Status	Other information
Cambridge City Council_7	Cycle City	Provision of new infrastructure and promotion of cycling across Cambridge	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Other	Start date: 2013 Expected end date: 2013 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: Not applicable
Cambridge City Council_8	Improving City Centre Infrastructure	Re-design bus stops and introduce one way system in bus station area. Core Schemes IV	Traffic planning and management: Improvement of public transport	Other	Start date: 2009 Expected end date: 2012 Spatial scale: Local Source affected: Transport Indicator: Completion Target emissions reduction: Not applicable
Cambridge City Council_9	Provision of new cycleways	New cycle path from Sawston to Babraham Park and Ride	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2009 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Completion Target emissions reduction: Not applicable
Cambridge City Council_10	Provision of new cycleways	New cycle and footpath Northfield Avenue to provide a link to the Guided Bus and a crossing for Kings Hedges Road	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2009 Expected end date: 2011 Spatial scale: Local Source affected: Transport Indicator: Completion Target emissions reduction: Not applicable
Cambridge City Council_11	Provision of new cycleways	Widening of path on Coe Fen between Newnham and Brooklands Avenue, part of NCN 11	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2009 Expected end date: 2011 Spatial scale: Local Source affected: Transport Indicator: Completion Target emissions reduction: Not applicable
Cambridge City Council_13	Continuously improving quality of bus services by establishing Quality Bus Partnership	Stricter limits for buses and year-on-year fleet improvements	Other measure: Other measure	Evaluation	Start date: 2008 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: 50% reduction in bus emissions in the Core Area Target emissions reduction: 10% reduction in bus emissions in the Core Area

Measure code	Description	Focus	Classification	Status	Other information
Cambridge City Council_22	Improving bus information provision	Provide interactive maps at stops	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: % bus stops with maps Target emissions reduction: Not applicable
Cambridge City Council_24	Congestion Charging	Charging at peak hours to enter Cambridge	Traffic planning and management: Congestion pricing zones	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: 10% reduction Target emissions reduction: Not applicable
Cambridge City Council_25	HGV restrictions	HGV access to certain areas limited	Traffic planning and management: Other measure	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: Not applicable
Cambridge City Council_26	Parking Management and Charging	Increase Controlled Parking Zones; Policies to discourage long-term parking in Cambridge centre	Traffic planning and management: Management of parking places	Other	Start date: 2008 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: Not applicable
Cambridge City Council_28	Employee Travel Plan (City Council)	Launched in 2008.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2008 Expected end date: 2008 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: Not applicable
Cambridge City Council_31	Improve emissions performance of council fleet	Replacing of older dirtier vehicles with newer cleaner technologies	Other measure: Other measure	Other	Start date: 2008 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Part of NI 194 Target emissions reduction: Not applicable
Cambridge City Council_32	Improve emissions performance of council fleet	Apply to EST for a Green Fleet Review	Other measure: Other measure	Implementation	Start date: 2008 Expected end date: 2008 Spatial scale: Whole town or city Source affected: Transport Indicator: Part of NI 194 Target emissions reduction: Not applicable

Measure code	Description	Focus	Classification	Status	Other information
Cambridge City Council_33	Improve emissions performance of council fleet	Use of Additives to lower fuel consumption	Other measure: Other measure	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Part of NI 194 Target emissions reduction: Not applicable
Cambridge City Council_34	Reduce emissions from council fleet	Introduce a digital web-based tracking system	Other measure: Other measure	Implementation	Start date: 2009 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Part of NI 194 Target emissions reduction: Not applicable
Cambridge City Council_35	Reduce emissions from council fleet	Conduct a trial use of a) biodiesel in Council refuse collection vehicles and b) electric powered van	Other measure: Other measure	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Part of NI 194 Target emissions reduction: Not applicable
Cambridge City Council_37	Taxi fleet compliance	Twice-yearly emissions checks made to all taxis 8 year age limit	Permit systems and economic instruments: Introduction/increase of environment taxes	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Improved euro standard of taxis within the fleets Target emissions reduction: Not applicable
Cambridge City Council_38	Reduce emissions from taxis	Investigate to introduce carbon dioxide vehicle emissions standards	Permit systems and economic instruments: Introduction/increase of environment taxes	Implementation	Start date: 2012 Expected end date: 2012 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: Not applicable
Cambridge City Council_40	Establish Freight Quality Partnership	Set up partnership with freight organisations	Public procurement: Other measure	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Member commitment by 2009, partnership established by 2012 Target emissions reduction: Not applicable

Measure code	Description	Focus	Classification	Status	Other information
Cambridge City Council_41	Parking Management and Charging	Variable Parking Charges - car parks and residential permits - depending on emissions	Traffic planning and management: Differentiation of parking fees	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: City Council Medium Term Objectives Target emissions reduction: Not applicable
Cambridge City Council_43	Encourage uptake of low emission vehicles	Install electric charging points for vehicles in City Council car parks	Public procurement: Other measure	Implementation	Start date: 2007 Expected end date: 2007 Spatial scale: Whole town or city Source affected: Transport Indicator: City Council Medium Term Objectives Target emissions reduction: Not applicable
Cambridge City Council_44	Road-side testing of exhaust emissions	Ensure that pollution from vehicle exhausts is minimised.	Other measure: Other measure	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: Not applicable
Cambridge City Council_46	Energy Efficiency Audit of Council property	Improved energy management	Public procurement: Low emission stationary combustion sources	Implementation	Start date: 2008 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: NI 194 Target emissions reduction: Not applicable
Cambridge City Council_47	Improved energy performance of public sector administrative and community buildings	Aim to increase resources for energy management within Council buildings to EST benchmark standards	Public procurement: Low emission stationary combustion sources	Implementation	Start date: 2010 Expected end date: 2020 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: Not applicable
Cambridge City Council_48	Improved energy performance of public sector buildings	Undertake energy assessments and introduce Display Energy Certificates	Public procurement: Low emission stationary combustion sources	Implementation	Start date: 2012 Expected end date: 2012 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: City Council Medium Term Objectives Target emissions reduction: Not applicable

Measure code	Description	Focus	Classification	Status	Other information
Cambridge City Council_49	Improved energy performance of public sector buildings	Installation of energy-saving measures	Public procurement: Low emission stationary combustion sources	Implementation	Start date: 2008 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: City Council Medium Term Objectives Target emissions reduction: Not applicable
Cambridge City Council_50	Improved energy performance of new build	Requirement for high sustainability standards for new schools and other buildings	Public procurement: Low emission stationary combustion sources	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: City Council Local Plan 3/1 Target emissions reduction: Not applicable
Cambridge City Council_51	Involvement in regional development plans (RSS)	N/A	Other measure: Other measure	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: Not applicable
Cambridge City Council_52	Local Transport Plan	LTP2 includes transport programme of schemes to improve transport facilities	Traffic planning and management: Other measure	Other	Start date: 2011 Expected end date: 2026 Spatial scale: Whole town or city Source affected: Transport Indicator: Several indicators that impact on air quality are embedded in LTP2 Target emissions reduction: Not applicable
Cambridge City Council_53	Long Term Transport Strategy	LTTS links the LTP2 programme to the Growth Agenda	Traffic planning and management: Other measure	Planning	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: Not applicable

Measure code	Description	Focus	Classification	Status	Other information
Cambridge City Council_54	Air quality policy in Local Development Documents	Sets out requirements for air quality assessments for planning applications	Other measure: Other measure	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: City: Local Plan section 4/14 Air Quality Management Areas Target emissions reduction: Not applicable
Cambridge City Council_55	Sustainable Construction Document	Sets out standards for construction in terms of insulation and lower energy use etc.	Other measure: Other measure	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: N/A Target emissions reduction: Not applicable
Cambridge City Council_56	Production of Supplementary Planning Documents & guidance	Sets out requirements for air quality assessments for planning applications	Other measure: Other measure	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Adoption Target emissions reduction: Not applicable
Cambridge City Council_57	Incorporate cycling and walking into Land Use Planning	S106 agreements.	Other measure: Other measure	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: Not applicable
Cambridge City Council_58	New major developments to produce Travel Plans	Travel for Work, Residential and School Travel Plans produced	Other measure: Other measure	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: Not applicable
Cambridge City Council_59	Policies on development affecting an AQMA	New development not permitted to adversely impact AQMA or proposed users	Other measure: Other measure	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Not applicable Target emissions reduction: Not applicable

Measure code	Description	Focus	Classification	Status	Other information
Cambridge City Council_60	Introduction of Car Clubs	Occasional access to a car without need to own, initiated with S106 funds	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Not applicable Target emissions reduction: Not applicable
Cambridge City Council_61	Residential Travel Plans	Required for all new developments over a certain size	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Not applicable Target emissions reduction: Not applicable
Cambridge City Council_62	Car Parking Standards	Maximum levels of car parking permitted for various types of development in different areas of the City.	Other measure: Other measure	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Not applicable Target emissions reduction: Not applicable
Cambridge City Council_63	Increase walking and cycling trips	Identify, audit, improve existing and planned walking and cycling routes, including crossings, surface condition etc.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Not applicable Target emissions reduction: Not applicable
Cambridge City Council_64	Improve cycle parking facilities	Work with Cambridge Cycling Campaign to prepare a new design guide for cycle parking in residential areas	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Not applicable Target emissions reduction: Not applicable
Cambridge City Council_65	Cycle Parking Standards	Minimum requirements in terms of cycle parking provision for new developments and change of use.	Other measure: Other measure	Other	Start date: 2004 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Not applicable Target emissions reduction: Not applicable
Cambridge City Council_66	Residential Travel Plans	Required for all new developments over 80 dwellings	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Not applicable Target emissions reduction: Not applicable

Measure code	Description	Focus	Classification	Status	Other information
Cambridge City Council_67	Personalised Travel Plans	PTP Arbury Park (new development) providing personal travel planning and sustainable travel advice to each household	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2009 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: Not applicable Target emissions reduction: Not applicable
Cambridge City Council_68	Travel for School	The primary objectives of the "Travelling to School Initiative" (TTSI) are to improve road safety for children and reduce dependence on the car by promoting walking, cycling and public transport as more responsible, accessible and desirable alternatives for the home to school journey. Includes 'Bikeability' new national standard	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Not applicable Target emissions reduction: Not applicable
Cambridge City Council_69	Travel for Work plans	Required for all non-residential planning applications that require a Transport Assessment.	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Not applicable Target emissions reduction: Not applicable
Cambridge City Council_70	Travel for Work plans	Encouraging existing employees to travel to work in a sustainably	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Not applicable Target emissions reduction: Not applicable
Cambridge City Council_71	Encouraging car-sharing	Promotion and information about online car-sharing system - Camshare	Other measure: Other measure	Evaluation	Start date: 2008 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Not applicable Target emissions reduction: Not applicable
Cambridge City Council_72	Encourage cycle use	Adult Cycle Training	Other measure: Other measure	Other	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Not applicable Target emissions reduction: Not applicable

Measure code	Description	Focus	Classification	Status	Other information
Cambridge City Council_73	Encourage cycle use	PushChair Scheme - cycle into town, park your bike and borrow a pushchair for free from Park Street Cycle Park and now extended to Grand Arcade	Other measure: Other measure	Other	Start date: 2008 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Not applicable Target emissions reduction: Not applicable
Cambridge City Council_74	Publicise walking routes	N/A	Other measure: Other measure	Other	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Not applicable Target emissions reduction: Not applicable
Cambridge City Council_75	Publicise walking routes	Cambridge Street Signage Project. provide clear, attractive mapping which encourages self exploration	Other measure: Other measure	Other	Start date: 2004 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Not applicable Target emissions reduction: Not applicable
Cambridge City Council_76	Publicise walking routes	Walk-it, online route planner for walking routes around Cambridge	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2006 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Not applicable Target emissions reduction: Not applicable
Cambridge City Council_77	Publicise existing and new cycle and highway schemes	Online interactive maps on website	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2004 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Not applicable Target emissions reduction: Not applicable
Cambridge City Council_78	Promotional campaigns on Health Benefits of cycling and walking	Carried out through School Travel Plans	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2004 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Not applicable Target emissions reduction: Not applicable
Cambridge City Council_79	Encourage occasional/casual cycling	Consider Community Bike Hire Scheme	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Not applicable Target emissions reduction: Not applicable

Measure code	Description	Focus	Classification	Status	Other information
Cambridge City Council_80	Encourage better bus provision	Encourage bus companies to provide better bus services into Cambridge on Sunday	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2004 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Not applicable Target emissions reduction: Not applicable
Central Bedfordshire Council_1	Increased use of mixed developments	Improving sustainability by increasing public transport links, cycling and walking networks. Developments to provide facilities in locality to reduce the need to travel and the number of trips within the AQMA	Traffic planning and management: Other measure	Implementation	Start date: 2005 Expected end date: 2018 Spatial scale: Local Source affected: Commercial and residential sources Indicator: % of such developments Target emissions reduction: <1%
Central Bedfordshire Council_2	Revise /enhance options for sustainable transport	Identify options to improve or introduce sustainable transport	Traffic planning and management: Other measure	Other	Start date: 2005 Expected end date: 2011 Spatial scale: Local Source affected: Transport Indicator: Adopted policies and frequent review and amendment Target emissions reduction: <1%
Central Bedfordshire Council_3	Encourage adoption of travel plans	Measures to encourage staff/parents to reduce dependence / use of single occupancy cars	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2005 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: No of new / existing travel plans Target emissions reduction: <1%
Central Bedfordshire Council_4	CBC green travel plan	To encourage staff to reduce dependence / use of single occupancy cars	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2005 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: Changes to modes of staff travel Target emissions reduction: <1%
Central Bedfordshire Council_5	Generic demand management measurement	I.e. Transport innovation fund bid	Traffic planning and management: Other measure	Other	Start date: 2005 Expected end date: 2008 Spatial scale: Local Source affected: Transport Indicator: Successful bids /funding gained Target emissions reduction: <0.5%

Measure code	Description	Focus	Classification	Status	Other information
Central Bedfordshire Council_6	Encourage walking /cycling and use of public transport	To reduce dependence & use of cars	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2005 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: Passenger numbers, travel survey, time comparison Target emissions reduction: <1%
Central Bedfordshire Council_7	Improve conditions for pedestrians	To encourage walking instead of using cars	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2005 Expected end date: 2011 Spatial scale: Local Source affected: Transport Indicator: Amount of work carried out Target emissions reduction: <1%
Central Bedfordshire Council_8	Improve/extend cycle path network	To reduce dependence & use of cars	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2005 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: Additions to network / no of users /work done Target emissions reduction: <1%
Central Bedfordshire Council_9	Provision of cycle facilities	To reduce dependence & use of cars	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2005 Expected end date: 2009 Spatial scale: Whole town or city Source affected: Transport Indicator: Number & usage of such Target emissions reduction: <1%
Central Bedfordshire Council_10	Encourage use of incentives to use public transport	To reduce dependence & use of cars	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2005 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: Number of passengers, travel survey, time comparisons Target emissions reduction: <1%
Central Bedfordshire Council_11	Adopt priorities in Public Transport Information strategy	To reduce dependence & use of cars	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2005 Expected end date: 2011 Spatial scale: Whole town or city Source affected: Transport Indicator: Review strategy & policies Target emissions reduction: <0.5%

Measure code	Description	Focus	Classification	Status	Other information
Central Bedfordshire Council_12	Provision of incentives to use public transport	To reduce dependence & use of cars	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2005 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: Number of passengers, travel survey, time comparisons Target emissions reduction: <0.5%
Central Bedfordshire Council_13	Improvements in public transport infrastructure	To reduce dependence & use of cars	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2005 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: Congestion data, journey time comparison, etc. Target emissions reduction: <0.5%
Central Bedfordshire Council_14	Review car parking charges/policy in AQMA	To reduce dependence & use of cars	Other measure: Other measure	Other	Start date: 2005 Expected end date: 2008 Spatial scale: Whole town or city Source affected: Transport Indicator: Changes in charges /use of car parks Target emissions reduction: <0.5%
Central Bedfordshire Council_15	Encourage car sharing, walking/cycling etc.	To reduce dependence & use of cars	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2005 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: Numbers of walkers /cyclists - travel survey Target emissions reduction: <0.5%
Central Bedfordshire Council_16	Improvements to road network	Improving traffic management and reducing congestion	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2005 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: Congestion / road capacity/density statistics Target emissions reduction: <1%
Central Bedfordshire Council_17	Review maintenance schedules for utilities to keep road works to a minimum	Improving traffic management and reducing congestion	Traffic planning and management: Other measure	Other	Start date: 2005 Expected end date: 2008 Spatial scale: Whole town or city Source affected: Transport Indicator: Road closures /part closure Target emissions reduction: <0.5%

Measure code	Description	Focus	Classification	Status	Other information
Central Bedfordshire Council_18	Review timings of Town Centre traffic controls	Improving traffic management and reducing congestion	Traffic planning and management: Other measure	Other	Start date: 2005 Expected end date: 2008 Spatial scale: Whole town or city Source affected: Transport Indicator: Traffic factors survey /congestion Target emissions reduction: <0.5%
Central Bedfordshire Council_19	Require TIA/EIA for major developments within/near AQMA and/or those likely to generate an increase in traffic	To raise the importance of AQ issues in the planning process and to ensure that each development has minimal AQ impacts	Other measure: Other measure	Other	Start date: 2005 Expected end date: 2008 Spatial scale: Local Source affected: Other, please specify Indicator: Monitoring the planning & development control process Target emissions reduction: <1%
Central Bedfordshire Council_20	Encourage fleet updating &/or retrospective adaptations to reduce emissions	Reducing emissions from HGVs and buses. Encouraging use of alternative fuels and more efficient vehicles	Other measure: Other measure	Other	Start date: 2005 Expected end date: 2008 Spatial scale: Local Source affected: Transport Indicator: No of fleets updated /adaptations done Target emissions reduction: <0.5%
Central Bedfordshire Council_21	Enforce engine idling legislation	Reducing emissions from vehicles	Other measure: Other measure	Other	Start date: 2005 Expected end date: 2008 Spatial scale: Local Source affected: Transport Indicator: No of vehicles idling engines, change to AQ Target emissions reduction: <0.5%
Central Bedfordshire Council_22	Explore benefits of limiting delivery hours in AQMA	Improving traffic management and reducing congestion	Traffic planning and management: Freight transport measure	Other	Start date: 2005 Expected end date: 2008 Spatial scale: Local Source affected: Transport Indicator: Visual checks Target emissions reduction: <0.5%
Central Bedfordshire Council_23	Promote use & availability of alternative fuels / more efficient vehicles	Encouraging use of alternative fuels and more efficient vehicles	Public procurement: Other measure	Implementation	Start date: 2005 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: Availability and amount sold. % of these fuels in overall sales Target emissions reduction: <0.5%

Measure code	Description	Focus	Classification	Status	Other information
Central Bedfordshire Council_24	Develop of alternative fuels	Encouraging use of alternative fuels	Public procurement: Other measure	Implementation	Start date: 2005 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: Local availability Target emissions reduction: <0.5%
Central Bedfordshire Council_25	Enhance / develop policies to encourage use of alternative fuels / more efficient vehicles	Encouraging use of alternative fuels and more efficient vehicles	Other measure: Other measure	Other	Start date: 2005 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: Review policies & make changes as required Target emissions reduction: <0.5%
Central Bedfordshire Council_26	Encourage use of car clubs /sharing, home working, internet shopping	Reducing number of trips within the AQMA, Improving traffic management and reducing congestion	Other measure: Other measure	Other	Start date: 2005 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: No of car clubs. Council encourages car sharing and home working Target emissions reduction: <0.5%
Central Bedfordshire Council_27	Local development framework adopting policies improving air quality	Land-use planning	Other measure: Other measure	Implementation	Start date: 2005 Expected end date: 2018 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: Review and implement changes as required Target emissions reduction: <0.5%
Central Bedfordshire Council_28	Provide/improve facilities for walking (safety, routes) on new/existing developments	Encouraging walking	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2005 Expected end date: 2008 Spatial scale: Local Source affected: Transport Indicator: Planning conditions for new build developments & work carried out on existing estates Target emissions reduction: <0.5%

Measure code	Description	Focus	Classification	Status	Other information
Central Bedfordshire Council_29	Develop / maintain partnerships to improve services / planning / access	To improve services	Other measure: Other measure	Implementation	Start date: 2005 Expected end date: 2018 Spatial scale: Whole town or city Source affected: Transport Indicator: Inter-agency communications Target emissions reduction: <0.5%
Central Bedfordshire Council_30	Review provision of alternative transportation priority measures	To reduce dependence & use of cars. Encouraging use of public transport. Reducing number of trips within the AQMA.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2005 Expected end date: 2018 Spatial scale: Whole town or city Source affected: Transport Indicator: Road capacity, Journey times Target emissions reduction: <0.5%
Central Bedfordshire Council_31	Guided busway introduction	To reduce the dependence & use of cars. Encouraging the use of public transport. Reducing the number of trips within the AQMA	Traffic planning and management: Other measure	Other	Start date: 2005 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Completion of scheme Target emissions reduction: <0.5%
Central Bedfordshire Council_32	Road network improvements	Reducing number of trips within the AQMA	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2005 Expected end date: 2018 Spatial scale: Whole town or city Source affected: Transport Indicator: Congestion / traffic counts Target emissions reduction: <1%
Central Bedfordshire Council_33	Greater partnership working - future traffic /road schemes	To improve services	Traffic planning and management: Other measure	Other	Start date: 2005 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: Inter-agency communications Target emissions reduction: <0.5%
Central Bedfordshire Council_34	Review Hackney carriage licence conditions	Encouraging use of alternative fuels and more efficient vehicles. Reduction of emissions	Permit systems and economic instruments: Introduction/increase of environment taxes	Other	Start date: 2005 Expected end date: 2012 Spatial scale: Local Source affected: Transport Indicator: Conditions relating to AQ issues Target emissions reduction: <0.5%

Measure code	Description	Focus	Classification	Status	Other information
Central Bedfordshire Council_35	Increase energy efficiency	Encouraging energy efficiency turning heating down, insulation etc.	Other measure: Other measure	Other	Start date: 2005 Expected end date: 2014 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Energy usage Target emissions reduction: <1%
Central Bedfordshire Council_36	Promote better insulation & efficient appliances	Encouraging energy efficiency - turning heating down, etc.	Other measure: Other measure	Other	Start date: 2005 Expected end date: 2010 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Energy usage Target emissions reduction: <0.5%
Central Bedfordshire Council_37	LAPPC inspections	Reducing emissions from non-transport related sources	Permit systems and economic instruments: Other measure	Implementation	Start date: 2005 Expected end date: 2018 Spatial scale: Local Source affected: Other, please specify Indicator: Adhere to guidance / risk assessment Target emissions reduction: <0.5%
Central Bedfordshire Council_38	Nuisance complaints	Reducing emissions from non-transport related sources, nuisance - bonfires, fugitive dust sources, construction sites	Permit systems and economic instruments: Other measure	Implementation	Start date: 2005 Expected end date: 2018 Spatial scale: Local Source affected: Other, please specify Indicator: Resolving such cases Target emissions reduction: <0.5%
Central Bedfordshire Council_39	Dissemination of AQ information & campaigns	Environmental promotion, dissemination of AQ information, website, consultation, press, environmental campaigns	Public information and Education: Other mechanisms	Implementation	Start date: 2005 Expected end date: 2018 Spatial scale: Local Source affected: Other, please specify Indicator: No of such events Target emissions reduction: <0.5%
Chelmsford Borough Council_1	Dynamic Daytime Operation of Flyover	Flexible operation of single lane flyover to improve traffic flow	Traffic planning and management: Other measure	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Reduced congestion measured by air quality monitoring Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Chelmsford Borough Council_2	Reintroduction of signal controls at Chelmer Road and possibly Parkway exits	Improved operation of the roundabout to reduce congestion	Traffic planning and management: Other measure	Implementation	Start date: 2008 Expected end date: 2008 Spatial scale: Local Source affected: Transport Indicator: Reduced congestion measured by air quality monitoring Target emissions reduction: N/A
Chelmsford Borough Council_3	Relocation of pedestrian crossing on Parkway	Addressing capacity issues to prevent queuing traffic backing onto and blocking the roundabout	Traffic planning and management: Other measure	Preparation	Start date: 2014 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: Improved operation of the roundabout measured by air quality monitoring Target emissions reduction: N/A
Chelmsford Borough Council_4	Replacement of existing crossing on Van Diemens Road with staggered crossing	Improved flow exiting roundabout preventing traffic backing up and blocking roundabout	Traffic planning and management: Other measure	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Improved operation of the roundabout measured by air quality monitoring Target emissions reduction: N/A
Chelmsford Borough Council_5	Replacement of A138 Chelmer Viaduct	Higher capacity road reducing congestion on the Chelmer Village Way roundabout	Traffic planning and management: Encouragement of shift of transport modes	Preparation	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Reduced congestion measured by air quality monitoring Target emissions reduction: N/A
Chelmsford Borough Council_6	Removing pinch point at the base of flyover by widening 1.5 lanes to 2 full lanes	Improved traffic flow and roundabout efficiency	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2015 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Improvements measured by air quality monitoring Target emissions reduction: N/A
Chelmsford Borough Council_7	Dedicated Left Hand Feeder Lane from Van Diemens Road to Parkway	Improved traffic flow	Traffic planning and management: Other measure	Evaluation	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Improved traffic flow measured by air quality monitoring Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Chelmsford Borough Council_8	Left hand filter lane from Parkway to Chelmer Road	An extended slip lane on the approach to the roundabout improving capacity for the roundabout and consequently flow for the dedicated left turn	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2015 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Chelmsford Borough Council_9	Access to Chelmer Waterside Development	Dedicated access to a proposed development area	Traffic planning and management: Other measure	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Chelmsford Borough Council_10	Replacement of tidal flyover with two way system	Improved traffic flow	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Chelmsford Borough Council_11	Rerouting of buses away from the town centre (AQMA) end of Baddow Road	Routing of buses along bypass away from receptors	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Chelmsford Borough Council_12	Sustainable Travel Plan	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2013 Expected end date: 2013 Spatial scale: Whole town or city Source affected: Transport Indicator: Individual indicators set to measure progress Target emissions reduction: N/A
Chelmsford Borough Council_13	New Railway Station at Beaulieu Park	New transport options for proposed development	Traffic planning and management: Improvement of public transport	Planning	Start date: 2013 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Delivery of scheme Target emissions reduction: N/A
Chelmsford Borough Council_14	Adoption of Essex Transport Strategy (LTP3)	Reduce carbon dioxide emissions and improve air quality through lifestyle changes, innovation and technology	Other measure: Other measure	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Primary and secondary performance measures and targets for each outcome Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Chelmsford Borough Council_15	Provision of Chelmer Valley Park & Ride	Reduction of private cars from Chelmsford Town Centre	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2011 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Success measured by uptake of P&R Target emissions reduction: N/A
Chelmsford Borough Council_16	Expansion of Sandon Park & Ride	Reduction of private cars from Chelmsford Town Centre	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2013 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Success measured by uptake of P&R Target emissions reduction: N/A
Chelmsford Borough Council_17	Expansion of Chelmer Valley Park & Ride	Reduction of private cars from Chelmsford Town Centre	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Success measured by uptake of P&R Target emissions reduction: N/A
Chelmsford Borough Council_18	Green driving and fleet improvements be encouraged on Council vehicles and County contracts	Reducing emissions from Council operations	Other measure: Other measure	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Chelmsford Borough Council_19	Park & Ride Electric Vehicle Charging Point Installation	Provision of low emission infrastructure	Public procurement: Other measure	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Success measured by uptake of service Target emissions reduction: N/A
Chelmsford Borough Council_20	Promotion of charging point locations	Use of ECC webpages to promote and identify locations of EV charging points from a number of schemes	Public information and Education: Internet	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Chelmsford Borough Council_21	Integration of Air Quality into the Planning System	Introduction of an Air Quality Guidance Note	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Chelmsford Borough Council_22	NSIP - Refurbishment and upgrade of facilities at Chelmsford Train Station	Passenger Transport Improvements	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2015 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: Delivery of Project Target emissions reduction: N/A
Chelmsford Borough Council_23	Creation and formalisation of new cycle routes in Chelmsford	Encouragement of Cycle Use	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2013 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Chelmsford Borough Council_24	Promotion of cycling routes	Cycling Map for Chelmsford created and published on the internet	Public information and Education: Internet	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Chelmsford Borough Council_25	Trialling MotoParking	Innovative way to encourage commuters to use motorcycles to travel to Chelmsford Town Centre	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Success of trial measured by uptake of service Target emissions reduction: N/A
Chelmsford Borough Council_26	Staff parking rationalisation	Encouragement of alternative travel	Traffic planning and management: Management of parking places	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Chelmsford Borough Council_27	Essex Air	Active partner within the Essex Air consortium to promote improvements in air quality related issues.	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Chelmsford Borough Council_28	Creation and administration of the South Essex Parking Partnership	Leading on street parking enforcement process for 6 Councils ensuring consistent parking enforcement to manage traffic flow	Traffic planning and management: Management of parking places	Implementation	Start date: 2011 Expected end date: 2011 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Chelmsford Borough Council_29	RTPI for bus users	Encourage uptake of bus use	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2015 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Increased bus passenger numbers Target emissions reduction: N/A
Chelmsford Borough Council_30	Part Night Lighting Scheme	Reduction of Carbon Emissions through Council Operations	Other measure: Other measure	Implementation	Start date: 2013 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: N/A Target emissions reduction: N/A
Chelmsford Borough Council_31	CyclePoint cycle parking compound with capacity for 1000 cycles has been created	Implement measures to reduce traffic	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Uptake of scheme use Target emissions reduction: N/A
Chelmsford Borough Council_32	Introduction of mTickets App	Encourage uptake of bus use	Public information and Education: Internet	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Chelmsford Borough Council_33	Participation in the Carbon Reduction Commitment Energy Efficiency Scheme	Reduction of carbon emissions from Council buildings	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2008 Spatial scale: Local Source affected: Industry including heat and power production Indicator: N/A Target emissions reduction: N/A
Chelmsford Borough Council_34	Provision of sustainable transport options at the Army and Navy Roundabout	Delivery of a wider footway, cyclepath and a wider two stage signalled toucan crossing	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2015 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Chelmsford Borough Council_35	Council car sharing schemes	Reduction of private cars usage	Other measure: Other measure	Implementation	Start date: 2013 Expected end date: 2013 Spatial scale: Whole town or city Source affected: Transport Indicator: Success measured by reduced reliance on energy resources from national networks Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Chelmsford Borough Council_36	Dedicated slip road on Odeon Roundabout	Redirection of queuing traffic to reduce queuing on circulatory and improving traffic flow within AQMA	Traffic planning and management: Other measure	Implementation	Start date: 2011 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Success measured by air quality monitoring Target emissions reduction: N/A
Chelmsford Borough Council_37	Refuse & Recycling Vehicle Routing Software	Reducing emissions from Council vehicles by reducing mileage	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Chelmsford Borough Council_38	Thames Gateway South Essex Low Carbon Business Programme Partner	Encourage and help SMEs reduce their carbon footprint	Other measure: Other measure	Implementation	Start date: 2009 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Chelmsford Borough Council_39	Corporate Emissions Strategy	Reduction of greenhouse gas emissions from Council operations	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Chelmsford Borough Council_40	Refuse Vehicles Electric Bin Lift Trial	N/A	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Measured by reduced fuel consumption Target emissions reduction: N/A
Chelmsford Borough Council_41	Procurement of Euro VI Refuse & Recycling Vehicles ahead of implementation date	Reduction of emissions from Council vehicles	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Colchester Borough Council_1	Formalise Quality Bus Partnerships	To ensure that the infrastructure exists to provide high quality bus services	Traffic planning and management: Improvement of public transport	Planning	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Increased bus passenger numbers Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Colchester Borough Council_2	Explore the possibility of a Bus Charter	Implementing measures to improve routes, customer service and to reduce dead mileage	Traffic planning and management: Improvement of public transport	Planning	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Colchester Borough Council_3	Fleet Management - CBC Council Fleet	Identification of measures that will reduce mileage and emissions of CBC vehicle fleet	Other measure: Other measure	Evaluation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Improved routing measured by reduction of fleet fuel consumption Target emissions reduction: N/A
Colchester Borough Council_4	Fleet Management - CBC Grey Fleet	Encouragement of staff to travel to work by sustainable methods	Traffic planning and management: Management of parking places	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Reduction of staff parking Target emissions reduction: N/A
Colchester Borough Council_5	Staff Driver Training	Education and driver training of Council staff	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Colchester Borough Council_6	Development of a goods vehicle strategy	Implement measures to improve freight delivery procedures within AQMAs	Traffic planning and management: Freight transport measure	Planning	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Improved freight management can be measured by traffic counts Target emissions reduction: N/A
Colchester Borough Council_7	Differential parking rates in town centre	Trialling for reduced parking rate for car club vehicles, car sharers and low emission vehicle	Traffic planning and management: Differentiation of parking fees	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Success measured by uptake of scheme Target emissions reduction: N/A
Colchester Borough Council_8	Latest Euro standard on Park and Ride Buses	Measure to reduce emissions from the proposed park and ride which travels through AQMA	Public procurement: Cleaner vehicle transport services	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Monitored emissions levels along route Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Colchester Borough Council_9	Continuation of Cycling Town legacy work (Including implementation of Colchester cycling delivery strategy)	Implementation of Cycling Delivery Strategy	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Colchester Borough Council_10	Review the phasing of traffic lights on entries to Colchester Town Centre	Traffic Management Measures	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Colchester Borough Council_11	Reduce the number of cars entering the town centre by encouraging the use of Colchester Town and Hythe train stations	Implementing measures to reduce traffic within AQMA	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Reduction of traffic within AQMA measured by traffic counts Target emissions reduction: N/A
Colchester Borough Council_12	Travel Plan Work	Encourage uptake of sustainable travel plans with businesses within AQMA	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Success measured by number of businesses joining the scheme Target emissions reduction: N/A
Colchester Borough Council_13	Promote the use of Park & Ride	Implement measures to reduce traffic within AQMA	Public information and Education: Other mechanisms	Implementation	Start date: 2015 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: Reduction of traffic within AQMA measured by traffic counts Target emissions reduction: N/A
Colchester Borough Council_14	Review and rationalise empty bus journeys in Town Centre and AQMAs	Implement measures to reduce traffic within AQMA	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Dead mileage statistics Target emissions reduction: N/A
Colchester Borough Council_15	New Osborne Street Bus Station	Improved facilities for bus passengers in Town Centre	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2013 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Colchester Borough Council_16	Love Ur Car' Campaign	Driver education programme	Public information and Education: Internet	Implementation	Start date: 2013 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Colchester Borough Council_17	Develop and expand school travel plans	Implementation of measures to reduce traffic within AQMA	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Colchester Borough Council_18	Greening town centre congested corridors	Encouragement of walking and cycling	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Reduction of traffic within AQMA measured by traffic counts Target emissions reduction: N/A
Colchester Borough Council_19	Creation of a Park & Ride Service into Colchester Town Centre	Implementation of measures to reduce traffic within AQMA	Traffic planning and management: Improvement of public transport	Preparation	Start date: 2015 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Opening of service Target emissions reduction: N/A
Colchester Borough Council_20	Low Emission Zone Feasibility Study	Identification whether LEZ interventions would reduce emissions within Colchester	Traffic planning and management: Low emission zones	Evaluation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Emissions modelling identifying improvements Target emissions reduction: N/A
Colchester Borough Council_21	Production of a Low Emission Strategy	Identification of measures that will reduce emissions within Colchester	Other measure: Other measure	Planning	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Monitored emissions levels within Colchester Target emissions reduction: N/A
Colchester Borough Council_22	Introduction of 24/7 Bus Lanes	Passenger Transport Improvements	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Colchester Borough Council_23	Retrofit of 10 Euro III buses with SCR technology, particulate traps and electric cooling fans to reduce emissions	Passenger Transport Improvements	Retrofitting: Retrofitting emission control equipment to vehicles	Preparation	Start date: 2014 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Bus emissions measured by on-board emission monitors Target emissions reduction: N/A
Colchester Borough Council_24	Staff pool bike scheme	Implementation of measures to reduce traffic within AQMA	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Uptake of pool bike use Target emissions reduction: N/A
Colchester Borough Council_25	CyclePark PLUS cycle parking compound with capacity for 414 cycles has been created	Implement measures to reduce traffic within AQMA	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Uptake of CyclePark use Target emissions reduction: N/A
Colchester Borough Council_26	Construction of Northern Approach Road	Scheme to deliver a single carriageway road in north Colchester, with adjacent bus priority lanes and pedestrian and cycle facilities.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2013 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: Eased congestion monitored by traffic counts Target emissions reduction: N/A
Colchester Borough Council_27	Improved Bus Passenger Facilities	Improved Infrastructure	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Success of no idling scheme is monitored by a green telemetry system Target emissions reduction: N/A
Colchester Borough Council_28	Improved Bus Passenger Facilities	Improved Infrastructure	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Increased bus passenger numbers Target emissions reduction: N/A
Colchester Borough Council_29	Improved Bus Passenger Facilities	Improved Infrastructure	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Colchester Borough Council_30	RTPI for bus users	Encourage uptake of bus use	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Increased bus passenger numbers Target emissions reduction: N/A
Colchester Borough Council_31	Integration with Planning System	Introduction of an Air Quality Planning Guidance Note	Other measure: Other measure	Planning	Start date: 2011 Expected end date: 2012 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Colchester Borough Council_32	Adoption of Essex Transport Strategy (LTP3)	Reduce carbon dioxide emissions and improve air quality through lifestyle changes, innovation and technology	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2026 Spatial scale: Whole town or city Source affected: Transport Indicator: Primary and secondary performance measures and targets for each outcome Target emissions reduction: N/A
Colchester Borough Council_33	Adoption of Local Development Framework Core Strategy	Support of improvements to the strategic road network. Manage the contribute towards transport infrastructure improvements to enhance the broader network to mitigate impacts on existing communities	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Individual indicators and targets set for Core Strategy Policies Target emissions reduction: N/A
Colchester Borough Council_34	Creation of new cycle & pedestrian routes from the Colchester Train Station to the Town Centre	Encourage and enable sustainable travel methods for commuting	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Colchester Borough Council_35	NSIP - Refurbishment and upgrade of facilities at Colchester Station	Passenger Transport Improvements	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2010 Expected end date: 2011 Spatial scale: Local Source affected: Transport Indicator: Delivery of Project - Southside delivered 2012, Cycle Point and further NSIP investment to be made in 2015/16 Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Colchester Borough Council_36	Colchester Station Travel Plan	Three year pilot project to develop innovative ways to encourage more people to travel sustainably	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Won national award for "Best Station Travel Plan Measure for Cycling Award". AGA introduced Bike and Go scheme. Working with AGA and ECC on "Fixing the Link" pilot scheme. Plus Bus ticketing promotion run in 2014. Cycle Point and NSIP investment to be made in 2015. Target emissions reduction: N/A
Colchester Borough Council_37	Development of a new Environmental Sustainability Strategy for Colchester	Reduction of CO2 emissions from Council buildings, operations & services	Other measure: Other measure	Evaluation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Individual indicators and targets set for specific measures Target emissions reduction: N/A
Colchester Borough Council_38	Essex Air	Active partner within the Essex Air consortium to promote improvements in air quality related issues.	Other measure: Other measure	Evaluation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Colchester Borough Council_39	Local Authority Carbon Management Programme	N/A	Other measure: Other measure	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Set indicators for the reduction of CO2 from Council buildings and operations Target emissions reduction: N/A
Colchester Borough Council_40	Rapid Electric Vehicle Charging	Promote the use of Electric Vehicles	Public procurement: Other measure	Evaluation	Start date: 2012 Expected end date: 2014 Spatial scale: National Source affected: Transport Indicator: Rapid electric vehicle charger installed a Community Stadium July 2014 Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Colchester Borough Council_41	Creation and administration of the North Essex Parking Partnership	Leading on street parking enforcement process for 6 Councils ensuring consistent parking enforcement to manage traffic flow	Traffic planning and management: Management of parking places	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Dacorum Borough Council_1	Improve links with the Local Transport Plan	Measures to ensure the current poor air quality in the three AQMAs is improved where possible and to avoid future problems are implemented via the Local Transport Plan.	Other measure: Other measure	Preparation	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Integration of AQAP into LTP Target emissions reduction: Medium
Dacorum Borough Council_2	Improve links with the Local Planning and Development Framework	Local planning considerations aim to mitigate the cumulative negative air quality impacts of new development	Other measure: Other measure	Preparation	Start date: 2015 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: No. of planning applications assessed and regulated by AQ assessments, no. of construction management plans, no. of sites with travel plans, reduced parking, cycle parking facilities and EV charge points, supplementary planning guidance. Target emissions reduction: Medium
Dacorum Borough Council_3	Improve links with Public Health	Strengthen the link between Public Health and air quality	Other measure: Other measure	Implementation	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Policies, relationships and processes in place to ensure AQ is considered wherever relevant. Creation of Hertfordshire AQ Strategy. No. of successful funding bids. Target emissions reduction: Medium
Dacorum Borough Council_4	Junction Investigations	To obtain information to enable junction layouts and traffic light signal phasing to be altered to improve traffic flow within AQMAs	Traffic planning and management: Other measure	Planning	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Undertake junction investigation Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Dacorum Borough Council_5	ANPR Traffic Study	Obtain detailed traffic movement data in order to improve air quality within the London Road, Apsley AQMA	Traffic planning and management: Other measure	Planning	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Undertake ANPR traffic study Target emissions reduction: N/A
Dacorum Borough Council_6	Congestion study	Obtain available congestion study data in order to target future measures	Traffic planning and management: Other measure	Planning	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Undertake investigation specific to London Road, Apsley. Undertake review of Hertfordshire's Congestion Action Plan. Target emissions reduction: N/A
Dacorum Borough Council_7	Road signage and satellite navigation alterations	Determine the significance of the current road signage on AQMA through-traffic	Traffic planning and management: Other measure	Planning	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Undertake road signage investigation. Undertake investigation into satellite navigation rerouting. Target emissions reduction: Medium
Dacorum Borough Council_8	Potential relocation of bus stops	Determine significance of stationary buses on congestion within the AQMAs	Traffic planning and management: Other measure	Planning	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Undertake bus stop investigations Target emissions reduction: High
Dacorum Borough Council_9	Determine significance of school traffic	Determine the significance of school traffic within the High Street, Northchurch AQMA to target future measures.	Traffic planning and management: Other measure	Preparation	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Undertake review of automatic monitoring station data Target emissions reduction: N/A
Dacorum Borough Council_10	Potential relocation of on-street parking	Determine the significance of on-street parking on congestion within the High Street, Northchurch AQMA	Traffic planning and management: Other measure	Planning	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Undertake on-street parking investigation Target emissions reduction: High

Measure code	Description	Focus	Classification	Status	Other information
Dacorum Borough Council_11	Promote use of electric vehicles	Encourage the uptake and use of electric vehicles	Public procurement: New vehicles, including low emission vehicles	Planning	Start date: 2015 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: No. of EV enquiries, increased EV charge point and EV Car Club usage etc. Target emissions reduction: Low
Dacorum Borough Council_12	Promote car share schemes	Increase awareness and uptake of existing car share schemes	Other measure: Other measure	Implementation	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Increase in no. of registered car share members, investigate possibility of free/priority parking, investigate viability/interest in Council car share scheme. Target emissions reduction: Medium
Dacorum Borough Council_13	Green incentives for taxi drivers	Encourage taxi companies / drivers to use less polluting vehicles	Permit systems and economic instruments: Introduction/increase of environment taxes	Planning	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Discuss with Licensing Team to determine viability and possible implementation. Target emissions reduction: Low
Dacorum Borough Council_14	Reducing emissions from goods vehicles within the AQMAs	Target reduced emissions from goods vehicles operating within the three AQMAs	Traffic planning and management: Freight transport measure	Planning	Start date: 2015 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Initiate meeting with local freight companies and businesses and report outcomes etc. Target emissions reduction: Medium
Dacorum Borough Council_15	Reducing emissions from Council fleet	Target reduced emissions from Council fleet vehicles	Public procurement: Other measure	Implementation	Start date: 2015 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: EMS performance indicator for annual fuel usage reduction, No. of LEV purchased, Corporate travel plan etc. Target emissions reduction: Low

Measure code	Description	Focus	Classification	Status	Other information
Dacorum Borough Council_16	Encouraging smarter driving	Raise awareness of the benefits of smarter driving techniques	Other measure: Other measure	Planning	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Incorporating messages into relevant communication channels and campaigns. Investigate viability of training. Target emissions reduction: Medium
Dacorum Borough Council_17	Promote travel planning	Encourage a shift to more sustainable forms of travel, or reducing the need for travel	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2015 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: No. of travel plans produced/yr, No. of new or refreshed school travel plans produced/yr, Creation of corporate travel plan. Target emissions reduction: Medium
Dacorum Borough Council_18	Promote walking and cycling	Encourage a shift to more sustainable, healthier forms of travel	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2015 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: No. of new members to walking groups, Progress with DBC Cycling Strategy, No. of applicants for 'Cycle to Work' scheme, No. of participants in national and local events, No. of employees walking /cycling to the Council. Target emissions reduction: Medium
Dacorum Borough Council_19	Promote the use of public transport	Encourage a shift to more sustainable forms of transport	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2015 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Progress against targets within Herts Bus Strategy, Increased bus patronage, Bus route and timetabling investigation. Target emissions reduction: Medium

Measure code	Description	Focus	Classification	Status	Other information
Dacorum Borough Council_20	Promote TravelSmart projects	To increase awareness of travel choices and encourage changes in behaviour that will contribute to improving local air quality	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Publicise findings of Hemel Hempstead TravelSmart project. Identify further areas and potential sources of funding. Target emissions reduction: Medium
East Hertfordshire District Council_1	Reduce queuing traffic at Hockerill Junction	Redesign the junction	Traffic planning and management: Other measure	Other	Start date: 2007 Expected end date: 2007 Spatial scale: Local Source affected: Transport Indicator: N/a Target emissions reduction: N/a
East Hertfordshire District Council_1a	Reduce queuing traffic at Hockerill Junction	Support the Goods Yard Link Road	Traffic planning and management: Improvement of public transport	Other	Start date: 2007 Expected end date: 2007 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
East Hertfordshire District Council_1b	Reduce queuing traffic at Hockerill Junction	Develop a bid for Bishop's Stortford station to be part of the pilot station travel plan programme	Traffic planning and management: Encouragement of shift of transport modes	Planning	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
East Hertfordshire District Council_1c	Reduce queuing traffic at Hockerill Junction	Investigate better signage for the bypass with a view to reducing the impact of through traffic	Traffic planning and management: Other measure	Planning	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Reduction in traffic flows especially HGVs Target emissions reduction: N/A
East Hertfordshire District Council_2	Reduce Traffic in both AQMAs	Consider options for a park and Ride scheme	Traffic planning and management: Improvement of public transport	Preparation	Start date: 2007 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Reduction in traffic flows Target emissions reduction: N/A
East Hertfordshire District Council_2a	Reduce Traffic in both AQMAs	Undertake improvements to signal equipment with a view to improving efficiency e.g. investigate the use of an Urban Traffic Control System	Traffic planning and management: Improvement of public transport	Planning	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Reduction in traffic flows Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
East Hertfordshire District Council_3	Buses	Investigate the opportunities to improve bus infrastructure along the bus routes through each AQMA	Traffic planning and management: Improvement of public transport	Other	Start date: 2008 Expected end date: 2008 Spatial scale: Local Source affected: Transport Indicator: Could have positive impact upon accessibility and bus patronage. Target emissions reduction: N/A
East Hertfordshire District Council_4	Check Status of school travel plans for those schools located in the vicinity of each AQMA	Investigate the impact of emissions of NOx within or close to AQMAs in Hertfordshire and Bedfordshire	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2012 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Reduction in NOx Target emissions reduction: N/A
East Hertfordshire District Council_4a	Check Status of school travel plans for those schools located in the vicinity of each AQMA	Devise a toolkit for 16 - 18 year olds to raise awareness of air quality whilst working towards a British Science Association Crest Award	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2012 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: Encourage sustainable travel to school Target emissions reduction: N/A
East Hertfordshire District Council_5	Promote the Benefits of Cycling	Install Cycle/scooter storage at 3 schools near the AQMA. Also upgrade the bicycle racks at East Herts Council as Staff were uncomfortable using it for security reasons.	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2012 Expected end date: 2013 Spatial scale: Local Source affected: Transport Indicator: Encourage sustainable travel to school and work Target emissions reduction: N/A
East Hertfordshire District Council_5a	Promote the Benefits of Cycling	Travel Stall in Hertford market. This was a one-off stall at the Hertford weekly market, to promote eco-friendly travel. Visitors to the stall were able to pick up the Hertford Travel Leaflet, details on local health walks, and cycling information	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2013 Expected end date: 2013 Spatial scale: Local Source affected: Transport Indicator: Encourage sustainable travel to school and work Target emissions reduction: N/A
East Hertfordshire District Council_5b	Promote the Benefits of Cycling	Hertfordshire Year of Cycling runs from May 2014 late summer 2015 and will see a massive boost in the awareness of cycling and how the people of Hertfordshire can better integrate it with their lives.	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2014 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: Increase in number of people cycling Target emissions reduction: N/A
East Hertfordshire District Council_6	Encourage Walking	Hertfordshire Year of Walking will run throughout 2015 and beyond. The project aims to inspire and motivate more people in the county to walk, whether that's for exercise, to explore the countryside or simply getting from A to B.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2015 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: Increase in number of people walking Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Enfield, London Borough of_1	Seek the integration of the Enfield AQAP with the LDF and ensure that all development proposals with the potential to exert an impact on the Enfield AQMA continue to be assessed for air quality impacts and where permissible, appropriate mitigation measures are provided.	Reduce the impact of new development through a joined working approach	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2017 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: Integration of the air quality action plan into the local development framework Target emissions reduction: N/A
Enfield, London Borough of_2	Continue and enhance joint working within the Council to encourage the integration of air quality within existing and future Council strategies	Reduce the environmental impact of council policies through joined-up working	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2018 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: Integration of the air quality action plan into council strategies Target emissions reduction: N/A
Enfield, London Borough of_3	Continue to integrate the Enfield Transport Strategy with the Enfield AQMA and so seek the improvement of air quality.	N/A	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: Integration of the air quality action plan into transportation planning Target emissions reduction: N/A
Enfield, London Borough of_4	Effectively monitor and manage existing network and smooth traffic flow through the adjustment of traffic signal timings and the introduction of traffic signal efficiency technology.	Reduced traffic emissions through smooth traffic flow	Traffic planning and management: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduced congestion at major junctions Target emissions reduction: N/A
Enfield, London Borough of_5	Co-ordinate street works to reduce delays and disruption.	Prevent increased traffic emissions due to multiple sets of road works	Traffic planning and management: Other measure	Implementation	Start date: 2012 Expected end date: 2018 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduced number of road works at the same points Target emissions reduction: N/A
Enfield, London Borough of_6	Work with TfL to improve strategic roads.	Reduce emissions through increased traffic flow	Traffic planning and management: Other measure	Implementation	Start date: 2012 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: Reduced congestion on the TfL network Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Enfield, London Borough of_7	Improve key junctions on the A1055 and other strategic routes.	Reduce emissions through increased traffic flow	Traffic planning and management: Other measure	Implementation	Start date: 2012 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: Reduced congestion at local junctions Target emissions reduction: N/A
Enfield, London Borough of_8	Introduce and enforce proportionate waiting and loading restrictions.	Reduce emissions by ensuring loading bays are used for their purpose and not parking	Traffic planning and management: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of traffic enforcement penalty notices issued Target emissions reduction: N/A
Enfield, London Borough of_9	Continue to provide road safety education and training for pedestrians and cyclists of all ages.	Increase the uptake of cycling by providing suitable training	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of courses provided to the public Target emissions reduction: N/A
Enfield, London Borough of_10	With the health services, undertake local promotional and marketing campaigns and events to encourage people to walk and cycle more.	Publicise the benefits of walking and cycling and therefore reduce car use	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of campaigns conducted Target emissions reduction: N/A
Enfield, London Borough of_11	Increase the cycling network to eliminate gaps and ensure continuity, plus increase access, essential services, employment opportunities, green spaces and leisure services.	Increase the uptake of cycling by providing suitable cycle ways	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2012 Expected end date: 2020 Spatial scale: Whole town or city Source affected: Transport Indicator: Increase in the length of cycle ways in kilometres Target emissions reduction: N/A
Enfield, London Borough of_12	Work with businesses to promote and support the development of Travel Plans and take up of the Cycle to Work Guarantee.	Reduce emissions from local businesses through environmentally friendly approaches to work travel	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of businesses engaged Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Enfield, London Borough of_13	Working with the Lee Valley Regional Park Authority to improve facilities and infrastructure for cycles and pedestrians.	Increase the uptake of cycling by providing suitable cycle ways	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Number of businesses engaged Target emissions reduction: N/A
Enfield, London Borough of_14	Standardise, improve and update walking and cycling route signing, provision of maps, lighting, and disabled access on the pedestrian network.	Increase the uptake of cycling and walking by providing suitable cycle ways and pathways	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2012 Expected end date: 2020 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of signs put in place Target emissions reduction: N/A
Enfield, London Borough of_15	Develop a high quality network of 'Greenway' cycle and walking routes using parks, open spaces, quiet traffic routes, and 20mph zones.	Increase the uptake of cycling and walking by providing suitable cycle ways and pathways	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2012 Expected end date: 2020 Spatial scale: Whole town or city Source affected: Transport Indicator: Increase in the length of cycle ways in kilometres Target emissions reduction: N/A
Enfield, London Borough of_16	Increase provision of secure and sufficient cycle parking in major centres, at or within easy reach of every public building and cycling generator.	Increase the uptake of cycling by providing suitable cycle ways	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Number of cycle parking areas available Target emissions reduction: N/A
Enfield, London Borough of_17	Review CPZ coverage on a regular basis and consult with residents over local needs in areas with high levels of parking stress.	Reduce parking pressure and emissions by ensuring residents have priority	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Number of reviews undertaken Target emissions reduction: N/A
Enfield, London Borough of_18	Improve management of parking better to reduce congestion; improve safety; and ensure a turnover of spaces to help maintain the viability of town centres.	Reduce vehicle circling car parks and thereby reduce emissions	Traffic planning and management: Management of parking places	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Number of parking contravention notices issued Target emissions reduction: N/A
Enfield, London Borough of_19	Prioritise enforcement to achieve our parking management aims.	Reduce emissions by eliminating illegal parking	Traffic planning and management: Management of parking places	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Number of parking contravention notices issued Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Enfield, London Borough of_20	Improve bus reliability and journey times with new bus priority measures.	Increase the use of public transport and reduce private vehicle use	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of measures in place Target emissions reduction: N/A
Enfield, London Borough of_23	Encourage the creation of an environment in and around schools, which promotes sustainable travel through the provision of safer routes.	Increase walking, cycling and the use of public transport	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: Measures put in place to promote safer routes to schools
Enfield, London Borough of_24	Establish Road Rangers in primary schools to promote road safety and sustainable travel to school.	Increase walking, cycling and the use of public transport	Traffic planning and management: Other measure	Implementation	Start date: 2012 Expected end date: 2019 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: Number of schools with road rangers schemes in place
Enfield, London Borough of_25	Make cycle training to national standards freely available to all school age pupils.	Increase the uptake of cycling by providing suitable training	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: Number of training courses provided
Enfield, London Borough of_26	Improve cycle routes to schools and support initiatives in school to motivate children to take up cycling.	Increase the uptake of cycling by providing suitable cycle ways	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: Uptake of cycling in schools
Enfield, London Borough of_27	Implement a scheme promoting public awareness of the Enfield AQMA using signage and information where appropriate.	Make the public aware of air quality issues so that more consideration is given to how journeys are undertaken	Public information and Education: Internet	Implementation	Start date: 2012 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: Number of signs and campaigns

Measure code	Description	Focus	Classification	Status	Other information
Enfield, London Borough of_28	Promote green travel plans via planning agreements and other liaison with businesses. The Council will normally require major new developments to adopt a Travel Plan as a condition of planning permission.	Reduce emissions through ensuring alternative transport options are available to private vehicles	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: Number of new major developments with green travel plans
Enfield, London Borough of_29	Support the expansion of car clubs and encourage their use of ultra low carbon vehicles.	Reduce emissions by reducing the need to own private vehicles	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2017 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: Number of car clubs in the borough
Enfield, London Borough of_30	If it can be proven that proposals for development are likely to significantly increase traffic flows, and thereby significantly increase NO2 within the Enfield AQMA, then the Council, as Planning Authority, will refuse planning permission.	Ensure that new developments do not unreasonably increase emissions	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: Number of large developments not granted planning permission due to air quality being an issue
Enfield, London Borough of_31	Conditions will be imposed on any new residential development within the AQMA to mitigate the impact of poor air quality.	Protect the existing environment by attempting to prevent an increase in emissions of PM10 or nitrogen dioxide	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: N/A Target emissions reduction: Number of developments with air quality based conditions
Enfield, London Borough of_32	Plant trees along streets to improve the urban environment.	Reduce pollutant concentrations through the use of planting appropriate species of tree	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: Number of trees planted

Measure code	Description	Focus	Classification	Status	Other information
Enfield, London Borough of_33	Promote the use of lower carbon modes and eco-driving practices.	Reduce emissions through good driving techniques	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: Number of Enfield Council drivers undertaking driver training
Enfield, London Borough of_34	Install publicly accessible electronic charging points at key locations.	Support the uptake of zero emission vehicles by providing the infrastructure	Public procurement: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: N/A Target emissions reduction: Number of electric charging points installed
Enfield, London Borough of_35	The Council will seek to maintain and where appropriate increase its air quality monitoring in and around the Enfield AQMA.	Monitor emissions to identify any change in concentrations of nitrogen dioxide and PM10 which will allow effective action planning	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: Number of monitoring sites in the borough
Enfield, London Borough of_36	Continued enforcement of industrial emissions by the Council to ensure compliance with the Pollution Prevention Control Act (Part A2 and B installations).	Ensure industrial processes which are regulated comply with emissions requirements	Permit systems and economic instruments: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Industry including heat and power production Indicator: N/A Target emissions reduction: 100% compliance with permit conditions
Enfield, London Borough of_37	Continued enforcement by the Council of emissions to ensure compliance with Clean Air Act 1993.	Enforcement of legislation	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: Number of prosecutions due to breaches of the clean air act

Measure code	Description	Focus	Classification	Status	Other information
Enfield, London Borough of_38	Continued enforcement by the Council of statutory nuisances that give rise to emissions in contravention of Environmental Protection Act 1990 (Part 3).	Prevent unnecessary emissions from garden fires	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: Number of Section 80 notices for smoke nuisance served compared to previous years
Enfield, London Borough of_39	The Council will promote the Best Practice Guidance on The control of dust and emissions from construction and demolition (produced by London Councils) to seek to ensure that building contractors minimise emissions.	Reduce emissions from building sites	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: All large developments to have a construction management plane
Enfield, London Borough of_40	The Council will undertake a programme of improvements to Council buildings to improve insulation and environmental building controls, and reduce carbon emissions.	Reduce emissions from buildings and lead by example	Low emission fuels for stationary and mobile sources: Shift to installations using low emission fuels	Implementation	Start date: 2012 Expected end date: 2025 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: 100% of required improvements undertaken
Epping Forest District Council_1	Continue air quality monitoring and reporting	No. 2 AQMA and the district as a whole No. 2 AQMA specifically	Other measure: Other measure	Implementation	Start date: 2015 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: Place order with tube supplier Target emissions reduction: N/A
Epping Forest District Council_2	Traffic flow modelling for junction options appraisal	No. 2 AQMA specifically	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: N/A at this stage Target emissions reduction: N/A at this stage
Epping Forest District Council_3	Further integrate air quality into the local plan	Improved air quality for the district as a whole	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2012 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Revised local plan Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Epping Forest District Council_4	Continue to raise awareness of air quality via essexair web site	Improved air quality for the district as a whole	Public information and Education: Internet	Implementation	Start date: 2009 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: Web hits and updates could be used Target emissions reduction: N/A
Epping Forest District Council_5	Reduced speed limit through the forest (40mph)	No. 2 AQMA ad general air quality benefits Reduce emissions by reducing waiting time at junction	Traffic planning and management: Reduction of speed limits and control	Implementation	Start date: 2011 Expected end date: 2012 Spatial scale: Local Source affected: Transport Indicator: Change of speed limit Target emissions reduction: Not known, but reduction anticipated if waiting time at junction is reduced
Epping Forest District Council_6	Adjust traffic signal timings at the junction of High Road and Theydon Road Epping if not already optimised	No. 2 AQMA Reduce emissions by reducing congestion and improving traffic flow	Traffic planning and management: Other measure	Implementation	Start date: 2011 Expected end date: 2012 Spatial scale: Local Source affected: Transport Indicator: Reduction in NO2 measured in the AQMA Target emissions reduction: N/A
Epping Forest District Council_7	Promote alternative transport for local journeys (new measure)	No. 2 AQMA Reduce emissions	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2013 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Provision of 6 cycles for use between district offices Target emissions reduction: N/A
Fenland District Council_1	Technical Study of options for new link road and/or river crossing	Reduced congestion and improve traffic flow	Traffic planning and management: Other measure	Preparation	Start date: 2014 Expected end date: 2017 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduce traffic flow through urban centre Target emissions reduction: N/A
Fenland District Council_2	Traffic management Signals/UTMC System	Improve traffic flow	Traffic planning and management: Other measure	Planning	Start date: 2014 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Improved traffic flow on key routes Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Fenland District Council_3	Investigate options to improve bus station and access arrangements	Improved reliability leading to less car users	Other measure: Other measure	Planning	Start date: 2014 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Increase in number of bus journeys Target emissions reduction: N/A
Fenland District Council_4	Walking cycling audits	Identify barriers to walking and cycling	Traffic planning and management: Encouragement of shift of transport modes	Preparation	Start date: 2014 Expected end date: 2017 Spatial scale: Whole town or city Source affected: Transport Indicator: Increase in walking and cycling numbers Target emissions reduction: N/A
Forest Heath District Council_1	Electric Vehicle Charging Points through Planning	EV charging infrastructure procured via planning responses	Public procurement: Other measure	Implementation	Start date: 2016 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Additional EV charging infrastructure installed Target emissions reduction: N/A
Forest Heath District Council_2	Electric Vehicle charge point installation in public car parks in Newmarket	EV charging infrastructure	Public procurement: Other measure	Implementation	Start date: 2017 Expected end date: N/A Spatial scale: Local Source affected: Transport Indicator: Additional EV use locally Target emissions reduction: N/A
Forest Heath District Council_3	Dualling of the A11	Dualling of the A11 providing by a by-pass for the village of Elvden and providing a quicker alternative route for avoiding Brandon	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: N/A Spatial scale: Local Source affected: Transport Indicator: Reduced NO2 in Elveden and Brandon Target emissions reduction: N/A
Forest Heath District Council_4	Greener Business Grant	Promote 1,000 West Suffolk Greener Business Grant to be used for businesses to move to ULEV	Public procurement: Other measure	Implementation	Start date: 2016 Expected end date: N/A Spatial scale: Local Source affected: Transport Indicator: Grant uptake Target emissions reduction: N/A
Forest Heath District Council_5	Improved Car Parking Signage in Newmarket	Improving the signage for car parking sites in Newmarket to avoid repeated trips along High Street	Traffic planning and management: Other measure	Implementation	Start date: 2016 Expected end date: N/A Spatial scale: Local Source affected: Transport Indicator: Continued reduction in NO2 concentrations in Newmarket Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Forest Heath District Council_6	Air Quality Awareness Campaign	Air quality awareness campaign focussed on Newmarket in association with Newmarket BID and Newmarket Town Council	Public information and Education: Other mechanisms	Planning	Start date: 2017 Expected end date: N/A Spatial scale: Local Source affected: Transport Indicator: Continued reduction in NO2 concentrations in Newmarket Target emissions reduction: N/A
Forest Heath District Council_7	Newmarket High Street Design Project	Design brief for Newmarket High Street which will influence the way forward for the town centre and will influence which additional measures can be developed	Other measure: Other measure	Planning	Start date: 2017 Expected end date: N/A Spatial scale: Local Source affected: Transport Indicator: Continued reduction in NO2 concentrations in Newmarket Target emissions reduction: N/A
Forest Heath District Council_8	Council Fleet improvements	Improve Council fleet efficiency working with fleet managers	Other measure: Other measure	Planning	Start date: 2018 Expected end date: N/A Spatial scale: Local Source affected: Transport Indicator: Improved fleet composition Target emissions reduction: N/A
Forest Heath District Council_9	Eco-driving courses for council staff	Targetted eco-driving courses for staff who drive for business purposes	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: Reviewed as part of EMS Target emissions reduction: N/A
Great Yarmouth Borough Council_1	Formation of a Cycling Hub	Refurbish & maintain bikes for use on heritage cycle trails & park and ride	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Individual take-up Target emissions reduction: N/A
Great Yarmouth Borough Council_2	Review of domestic bin presentation	Reduce road mileage to pick bins up	Other measure: Other measure	Planning	Start date: 2015 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: Reduction in collection vehicle miles Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Great Yarmouth Borough Council_3	Payment of cycling allowance to Council staff	Reduce car use	Other measure: Other measure	Evaluation	Start date: 2009 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: Reduction in car mileage & take-up of scheme Target emissions reduction: N/A
Great Yarmouth Borough Council_4	Work bike scheme	Reduce car use	Other measure: Other measure	Evaluation	Start date: 2006 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: Reduction in car mileage & take-up of scheme Target emissions reduction: N/A
Great Yarmouth Borough Council_5	Energy efficient new build housing	Reduce energy bills	Other measure: Other measure	Evaluation	Start date: 2012 Expected end date: 2014 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Reduction in householder energy bills Target emissions reduction: N/A
Great Yarmouth Borough Council_6	Replacement heating system	Reduce energy use	Public procurement: Low emission stationary combustion sources	Evaluation	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Reduction in energy bill Target emissions reduction: N/A
Great Yarmouth Borough Council_7	Switch off of streetlights	Reduce energy consumption	Other measure: Other measure	Evaluation	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: Reduction in energy bill Target emissions reduction: N/A
Great Yarmouth Borough Council_8	Replacement of streetlights with energy efficient units	Reduce energy consumption	Other measure: Other measure	Implementation	Start date: 2006 Expected end date: 2018 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: Reduction in energy bill Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Great Yarmouth Borough Council_9	Establishment of county wide air quality group	Promote air quality issues in Norfolk	Other measure: Other measure	Evaluation	Start date: 1998 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: Better air quality in Norfolk Target emissions reduction: N/A
Great Yarmouth Borough Council_10	Work place parking levy	Reduce vehicle commute	Traffic planning and management: Encouragement of shift of transport modes	Planning	Start date: 2015 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: Reduction in car use Target emissions reduction: N/A
Great Yarmouth Borough Council_11	Promotion of town walks	Reduce tourist vehicle use	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2000 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction in vehicle use in town Target emissions reduction: N/A
Great Yarmouth Borough Council_12	Carbon reduction and fuel poverty	Replace & improve heating & insulation in Council housing stock	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: Reduction in energy bills Target emissions reduction: N/A
Great Yarmouth Borough Council_13	Energy efficiency advice & links on GYBC website	Reduce energy consumption	Public information and Education: Internet	Evaluation	Start date: 2010 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: Reduction in energy use for residents and businesses Target emissions reduction: N/A
Great Yarmouth Borough Council_14	Bike & Go scheme at Gt Yarmouth railway station	Encourage cycling for visitors to area	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction in vehicle use in town Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Great Yarmouth Borough Council_15	Leisure centre upgrade	Reduce energy use	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2015 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Reduction in energy bill Target emissions reduction: N/A
Great Yarmouth Borough Council_16	Leisure centre upgrade	Reduce energy use	Other measure: Other measure	Implementation	Start date: 2016 Expected end date: 2016 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Reduction in energy bill Target emissions reduction: N/A
Great Yarmouth Borough Council_17	Leisure centre upgrade	Reduce energy use	Other measure: Other measure	Preparation	Start date: 2018 Expected end date: 2019 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Reduction in energy bill Target emissions reduction: N/A
Great Yarmouth Borough Council_18	Introduction and improvement of safe cycle route between train station and town centre	Encourage safe access to town centre via cycle	Traffic planning and management: Encouragement of shift of transport modes	Planning	Start date: 2017 Expected end date: 2017 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction in vehicle use in town Target emissions reduction: N/A
Great Yarmouth Borough Council_19	Introduction and improvement of safe cycle route between train station and town centre	Encourage safe access to town centre via foot	Traffic planning and management: Encouragement of shift of transport modes	Planning	Start date: 2017 Expected end date: 2017 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction in vehicle use in town Target emissions reduction: N/A
Great Yarmouth Borough Council_20	Removal of unnecessary streetlights	Reduce energy consumption	Other measure: Other measure	Implementation	Start date: 2015 Expected end date: 2020 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: Reduction in energy bill Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Great Yarmouth Borough Council_21	Establishment of joint working with Director of Public Health, GYBC & county wide air quality group	Promote air quality issues in Norfolk	Other measure: Other measure	Implementation	Start date: 2016 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: Better air quality in Norfolk Target emissions reduction: N/A
Great Yarmouth Borough Council_22	Construction of third road river crossing in Great Yarmouth	Shorten vehicle journey times, reduction of traffic, and diversion of vehicle journeys from town	Traffic planning and management: Other measure	Preparation	Start date: 2020 Expected end date: 2022 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction in vehicle use in town & better air quality Target emissions reduction: N/A
Harrow, London Borough of_1	Air Quality Champion	Promotion for air quality improvement, sustainable transport and behavioural change	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2013 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: Indicators and targets for individual specific projects Target emissions reduction: Unspecified
Harrow, London Borough of_2	School travel Plans	Behavioural change/modal shift from private cars	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2004 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: % schools with travel plans Target emissions reduction: Unspecified
Harrow, London Borough of_3	AQ Communications Strategy	Promotion for air quality improvement, sustainable transport and behavioural change	Public information and Education: Internet	Implementation	Start date: 2015 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: Unspecified Target emissions reduction: Unspecified
Harrow, London Borough of_4	Faith Sites	Engage faith sites in poor AQ areas to raise awareness and improve accessibility	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Number of faith sites expressing interest Target emissions reduction: Unspecified

Measure code	Description	Focus	Classification	Status	Other information
Harrow, London Borough of_5	HE/FE sites	Green travel events	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: Events held Target emissions reduction: Unspecified
Harrow, London Borough of_6	Hotels	Information for guests	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: Information produced and launched Target emissions reduction: Unspecified
Harrow, London Borough of_6a	Sudbury Hill Scheme	Major bid approved by TfL. Public realm improvement "Sudbury urban village" better conditions for walkers and cyclists, improve access to 2 train stations	Traffic planning and management: Encouragement of shift of transport modes	Planning	Start date: 2016 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Works carried out Target emissions reduction: Unspecified
Harrow, London Borough of_7	Review of Climate Change Strategy	Review of original strategy to strengthen actions	Other measure: Other measure	Planning	Start date: 2014 Expected end date: 2015 Spatial scale: Local Source affected: Other, please specify Indicator: Strategy reviewed Target emissions reduction: Unspecified
Harrow, London Borough of_8	Fleet Operator Recognition Scheme (FORS) accreditation	Driver training, vehicle maintenance in council's fleet	Other measure: Other measure	Implementation	Start date: 2013 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: Accreditation achieved Target emissions reduction: Unspecified
Harrow, London Borough of_9	AirText	Free subscription service for air pollution forecasting and health bulletins	Public information and Education: Other mechanisms	Implementation	Start date: 2006 Expected end date: 2020 Spatial scale: Local Source affected: Other, please specify Indicator: Number of subscribers Target emissions reduction: Unspecified

Measure code	Description	Focus	Classification	Status	Other information
Harrow, London Borough of_10	Cycle training	Provision of free adult and children's cycle training to residents	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2006 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: Number of people trained each year Target emissions reduction: Unspecified
Havering, London Borough of_1	Installation of Green Wall/Planting at Tadworth Parade, Elm Park	N/A	Traffic planning and management: Other measure	Completed	Start date: 2014 Expected end date: 2016 Spatial scale: Local Source affected: Other, please specify Indicator: Diffusion Tube Results Target emissions reduction: N/A
Havering, London Borough of_2	Installation of Green Wall/Planting at Mercury Gardens Subway, Romford	N/A	Traffic planning and management: Other measure	Completed	Start date: 2014 Expected end date: 2016 Spatial scale: Local Source affected: Other, please specify Indicator: Diffusion Tube Results Target emissions reduction: N/A
Havering, London Borough of_3	Pocket Parks for Romford	N/A	Traffic planning and management: Other measure	Completed	Start date: 2014 Expected end date: 2016 Spatial scale: Local Source affected: Other, please specify Indicator: Diffusion Tube Results Target emissions reduction: N/A
Havering, London Borough of_4	Tree Planting of the Romford Ring Road	N/A	Traffic planning and management: Other measure	Completed	Start date: 2014 Expected end date: 2016 Spatial scale: Local Source affected: Other, please specify Indicator: Diffusion Tube Results Target emissions reduction: N/A
Havering, London Borough of_5	Creation of an Air Quality Champion for Havering	N/A	Public information and Education: Internet	Implementation	Start date: 2014 Expected end date: 2016 Spatial scale: Local Source affected: Other, please specify Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Havering, London Borough of_6	Anti- Idling Campaign	N/A	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2016 Spatial scale: Local Source affected: Other, please specify Indicator: N/A Target emissions reduction: N/A
Havering, London Borough of_7	Public Health Air Quality Awareness Campaign	N/A	Public information and Education: Other mechanisms	Implementation	Start date: 2014 Expected end date: 2016 Spatial scale: Local Source affected: Other, please specify Indicator: N/A Target emissions reduction: N/A
Havering, London Borough of_8	Air Text Promotion Campaign	N/A	Public information and Education: Internet	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: New user target Target emissions reduction: N/A
Havering, London Borough of_9	Clean Air 4 Schools Campaign	N/A	Public information and Education: Other mechanisms	Implementation	Start date: 2014 Expected end date: 2016 Spatial scale: Local Source affected: Other, please specify Indicator: N/A Target emissions reduction: N/A
Havering, London Borough of_10	Electric Vehicle Charging Points	N/A	Public procurement: Other measure	Planning	Start date: 2015 Expected end date: 2017 Spatial scale: Local Source affected: Other, please specify Indicator: Number of new EV charging points Target emissions reduction: N/A
Havering, London Borough of_11	Fleet improvements to meet Euro 6 Standards	N/A	Other measure: Other measure	Planning	Start date: 2014 Expected end date: 2018 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Havering, London Borough of_12	Adoption of the MoL & TfL Low Emission Zone (LEZ)	N/A	Traffic planning and management: Other measure	Completed	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Havering, London Borough of_13	Explore the use of alternative fuels for fleet vehicles	N/A	Other measure: Other measure	Planning	Start date: 2015 Expected end date: 2020 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Havering, London Borough of_14	Eco-driver training for Havering Fleet drivers	N/A	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Havering, London Borough of_15	Promotion of Energy Efficiency in Homes & Businesses	N/A	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Havering, London Borough of_16	Working from Home Initiatives	N/A	Other measure: Other measure	Evaluation	Start date: 2012 Expected end date: 2015 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Havering, London Borough of_18	Production of an Air Quality Action Plan	N/A	Other measure: Other measure	Planning	Start date: 2012 Expected end date: 2017 Spatial scale: Local Source affected: Other, please specify Indicator: N/A Target emissions reduction: N/A
Havering, London Borough of_19	Parking Charges & Parking Permit Charges related Euro Emissions Standards	N/A	Traffic planning and management: Differentiation of parking fees	Planning	Start date: 2016 Expected end date: 2020 Spatial scale: Local Source affected: Other, please specify Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Havering, London Borough of_20	Pupil Cycle Training	Bikeability Training Level Two and Three for Primary School Pupils	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2013 Expected end date: N/A Spatial scale: Local Source affected: Transport Indicator: Number of pupils trained to bikeability levels,2 and 3 per annum. Target emissions reduction: N/A
Havering, London Borough of_21	School Travel Plans	Continue the delivery of Modal Shift from motor car to more sustainable modes for journeys to and from school. Provision of safe and low pollution routes for walking and cycling to school	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2015 Expected end date: N/A Spatial scale: Local Source affected: Transport Indicator: Number of schools in the borough with active school travel plans Target emissions reduction: N/A
Havering, London Borough of_22	Travel Awareness Initiatives	Series of events held across the year aimed at encouraging people to travel using sustainable modes of transport across the Borough	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2015 Expected end date: N/A Spatial scale: Local Source affected: Shipping Indicator: Series of events held through the financial year including Walk to School Week to encourage pupils to travel to school by mode other than in a car. Target emissions reduction: N/A
Havering, London Borough of_23	Cycle Parking Programme	Installation of Cycle Parking Stands across the Borough to reduce the number of short car journeys made to local shops	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Number of cycle parkign spaces installed at key facilities across the borough. Target emissions reduction: N/A
Havering, London Borough of_24	Bus Stop Accessibilty	Improving Bus Stops to the Mayor of London's Accessible Bus Stop Standard	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: Number of bus stops reaching the Mayor's accessibility standard Target emissions reduction: N/A
Havering, London Borough of_25	Adult Cycle Training	Provision of Free Cycle Training for adults	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: N/A Expected end date: N/A Spatial scale: Local Source affected: Transport Indicator: Number of adults trained to Bikeability levels 2 and 3. Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Havering, London Borough of_26	All London Green Grid Improvements	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2015 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Improved accessibility between and through Havering's parks and green spaces Target emissions reduction: N/A
Havering, London Borough of_27	Cycle and walking schemes in Romford	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Other, please specify Indicator: Improved accessibility by bike to Romford and Rainham . Target emissions reduction: N/A
Havering, London Borough of_28	DIY streets, 20 mph zones and filtered permeability	N/A	Traffic planning and management: Reduction of speed limits and control	Implementation	Start date: 2013 Expected end date: N/A Spatial scale: Local Source affected: Other, please specify Indicator: Increase in walking and cycling through improved safety of a local area. Target emissions reduction: N/A
Havering, London Borough of_29	Smoothing Traffic Flows	N/A	Traffic planning and management: Other measure	Planning	Start date: 2015 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Reduction on congestion on approaches to Drill roundabout. Target emissions reduction: N/A
Havering, London Borough of_30	Travel Planning for Business	N/A	Traffic planning and management: Encouragement of shift of transport modes	Planning	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Increases in the number of staff cycling and walking to and from the workplace. Target emissions reduction: N/A
Havering, London Borough of_31	Ensure Annual Mean NO2 levels measured in Havering are below statutory target of 40 ug/m-3	N/A	Other measure: Other measure	Planning	Start date: 2013 Expected end date: 2021 Spatial scale: Local Source affected: Transport Indicator: Reduction in the number of breaches of the 40 ugm target by 2020/21 Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Havering, London Borough of_32	Reduce CO2 emissions by 60% by 2025 from 1990 base	N/A	Other measure: Other measure	Planning	Start date: 2013 Expected end date: 2026 Spatial scale: Local Source affected: Transport Indicator: Reduction in the level of CO2 emitted from all sources of ground based transport Target emissions reduction: N/A
Havering, London Borough of_33	Increase % of school journeys made by sustainable modes of travel to 82% in 2025/26	N/A	Other measure: Other measure	Planning	Start date: 2013 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: Modal shift for school journeys from car to sustainable modes of travel including walking and cycling. Target emissions reduction: N/A
Havering, London Borough of_34	Increase the number of fully accessible bus stops from 217 in 2009/10 by 2.5% annual between 2010/11 and 2021	N/A	Other measure: Other measure	Planning	Start date: 2013 Expected end date: 2021 Spatial scale: Local Source affected: Transport Indicator: No of bus stops reaching accessibility standard per annum. Target emissions reduction: N/A
Havering, London Borough of_35	Maintain cycling to 1.5% of trips between 2011/12 and 2013/14 with a long term Target of increasing cycling to 2.5% by 2025/26	N/A	Other measure: Other measure	Planning	Start date: 2013 Expected end date: 2026 Spatial scale: Local Source affected: Transport Indicator: Modal split of trips made by bike across the borough Target emissions reduction: N/A
Havering, London Borough of_36	Increase current 19% walking to 20% by 2013/14 with long term target to increase walking to 21% by 2025/26.	N/A	Other measure: Other measure	Planning	Start date: 2013 Expected end date: 2026 Spatial scale: Local Source affected: Transport Indicator: Modal split of trip made by foot across the borough Target emissions reduction: N/A
Havering, London Borough of_37	Expansion of Air Quality Monitoring Network	N/A	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: N/A Spatial scale: Local Source affected: Other, please specify Indicator: Diffusion Tube Results Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Havering, London Borough of_38	Use of Planning System	N/A	Traffic planning and management: Other measure	Implementation	Start date: 2008 Expected end date: N/A Spatial scale: Local Source affected: Other, please specify Indicator: Diffusion Tube Results Target emissions reduction: N/A
Havering, London Borough of_39	Fleet Operator Recognition Scheme (FORS)	N/A	Traffic planning and management: Other measure	Implementation	Start date: 2013 Expected end date: N/A Spatial scale: Local Source affected: Other, please specify Indicator: N/A Target emissions reduction: N/A
Havering, London Borough of_40	Enforcement of Air Quality Legislation	N/A	Traffic planning and management: Other measure	Implementation	Start date: 2008 Expected end date: N/A Spatial scale: Local Source affected: Other, please specify Indicator: N/A Target emissions reduction: N/A
Havering, London Borough of_41	Environmental Improvements in the London Riverside Business Improvement District	N/A	Traffic planning and management: Encouragement of shift of transport modes	Completed	Start date: 2016 Expected end date: 2016 Spatial scale: Local Source affected: Other, please specify Indicator: Diffusion Tube Results Target emissions reduction: N/A
Havering, London Borough of_43	EV Car Club Feasibility Study	N/A	Traffic planning and management: Encouragement of shift of transport modes	Completed	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Other, please specify Indicator: N/A Target emissions reduction: N/A
Hertsmere Borough Council_1	Health and AQ	Look into the availability of health info i.e. exposure of sensitive groups with the aim of mapping info and links between AQMA's	Other measure: Other measure	Evaluation	Start date: 2010 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Connection between health and AQMA's Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Hertsmere Borough Council_2	Traffic Management	Where ever pollution and or traffic issues have been identified the Council intends to investigate how these can be tackled through local plans/strategies with local communities leading to local action plans.	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: To prevent queuing traffic on crossroads at two AQMA's on local roads, one situated by a London Transport bus station, Potters Bar the other a small village, Elstree Cross Roads Target emissions reduction: N/A
Hertsmere Borough Council_3	Traffic Management Road layout change	Hertsmere will work, support and discuss with neighbouring authorities and the Highways Agency to consider traffic schemes that affect AQMA's on local roads and motorways M25 M1 and A1	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: National Source affected: Transport Indicator: To prevent traffic from coming off the motorway's onto local roads and address four AQMA's that are motorway related. Target emissions reduction: N/A
Hertsmere Borough Council_4	Traffic Management	Will actively support the larger National and South East schemes that result from the multi modal study that may improve air quality along the motorway network and promote a modal shift to other forms of transport	Traffic planning and management: Other measure	Planning	Start date: 2015 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: To promote other forms of transport that are less polluting working with other agencies like the Highways Agency, Hertfordshire County Council and Hertsmere Planning Services Target emissions reduction: N/A
Hertsmere Borough Council_5	Fleet vehicle emissions	Identify major fleet operators in the Borough to encourage accelerated use of cleaner vehicle technology and cleaner fuels and promote improved maintenance and considerate and economical driving	Other measure: Other measure	Planning	Start date: 2015 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: To encourage fleet operators to use cleaner fuel technology Target emissions reduction: N/A
Hertsmere Borough Council_6	Policy Guidance and Development Control	Support Hertfordshire County Council with its aim to encourage alternative modes of transport through various initiatives	Other measure: Other measure	Planning	Start date: 2009 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: To encourage different modes of transport. At present time school walking buses. Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Hertsmere Borough Council_7	Promoting Travel alternatives	Hertsmere continue to support the projects Watling Chase Community Forest, Natural England formally known as the Countryside Agency	Traffic planning and management: Encouragement of shift of transport modes	Preparation	Start date: 2009 Expected end date: 2017 Spatial scale: Local Source affected: Other, please specify Indicator: Encourage use of Watling Chase route for walking cycling and horse riding. Target emissions reduction: N/A
Hertsmere Borough Council_8	Vehicle Fleet Efficiency	The Council will promote the uptake of LPG or compressed natural gas by offering a 50 reduction in private hire and hackney carriage vehicle license fees. Also other fuels as technology improves	Other measure: Other measure	Planning	Start date: 2009 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Incentive to encourage taxi driver fleets to use cleaner fuels Target emissions reduction: N/A
Hertsmere Borough Council_9	Traffic management	The Environmental Health Unit will begin an on-going campaign to discourage the excessive idling of vehicles	Permit systems and economic instruments: Introduction/increase of environment taxes	Planning	Start date: 2009 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Prevent idling engines in the borough, schools, public places car parks . Target emissions reduction: N/A
Hertsmere Borough Council_10	Promoting Low Emission Transport	Testing Taxi's and private hire vehicles to continue and for vehicle inspectorate to be contacted for arrangements to be made for roadside testing for compliance with MOT emission standards	Permit systems and economic instruments: Introduction/increase of environment taxes	Planning	Start date: 2010 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: To continue to promote emission standards Target emissions reduction: N/A
Hertsmere Borough Council_11	Promoting Low Emission Transport	We will seek to improve the availability of cleaner fuels by encouraging local service stations to stock alternative fuels	Public procurement: Other measure	Planning	Start date: 2009 Expected end date: 2017 Spatial scale: National Source affected: Transport Indicator: Continue to promote cleaner fuels Target emissions reduction: N/A
Hillingdon, London Borough of_1.1	Establish a Green Travel Plan for Hillingdon.	Reduce demand for motorised transport for Council business and staff	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Decreased modal share for private car transport Target emissions reduction: 0.001

Measure code	Description	Focus	Classification	Status	Other information
Hillingdon, London Borough of_1.2	Improve access to, and quality of, public transport travel information for people living and working in the Borough.	Encourage use of public transport	Public information and Education: Other mechanisms	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Decreased modal share for private car transport Target emissions reduction: 0.002
Hillingdon, London Borough of_1.3	Encourage the development of more dedicated cycle (priority) lanes and signalling.	Promote cycling	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Decreased modal share for private car transport Target emissions reduction: 0.002
Hillingdon, London Borough of_1.4	Extend provision of more parking for motorcycles, mopeds and bicycles at public sites and new developments.	Promote non-car use	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2005 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Decreased modal share for private car transport Target emissions reduction: 0.0002
Hillingdon, London Borough of_1.5	Improve provision for pedestrians.	Promote walking	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2005 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Decreased modal share for private car transport Target emissions reduction: 0.0002
Hillingdon, London Borough of_1.6	Introduce more Safe Routes to School throughout the Borough with special regard to the schools within the highest exceedance areas.	Promote walking and cycling	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2005 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Decreased modal share for private car transport Target emissions reduction: 0.002
Hillingdon, London Borough of_1.7	Ensure Green Travel Plans are a requirement for all businesses (new and existing) employing more than a specified number of people in the Borough.	Reduce demand for motorised transport for businesses and staff	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2005 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Decreased modal share for private car transport Target emissions reduction: 0.015

Measure code	Description	Focus	Classification	Status	Other information
Hillingdon, London Borough of_1.8	Improve access to, and quality of, public transport travel information on a regional basis both inside and outside the GLA boundary.	Encourage use of public transport	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Transport Indicator: Decreased modal share for private car transport Target emissions reduction: 0.002
Hillingdon, London Borough of_1.9	Seek to ensure improvements in overall public transport service (facilities, cleanliness, safety, frequency, reliability) across the Borough and West London, and particularly in declared AQ Management Areas AQMAs.	Encourage use of public transport	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2006 Expected end date: 2008 Spatial scale: Whole town or city Source affected: Transport Indicator: Decreased modal share for private car transport Target emissions reduction: 0.006
Hillingdon, London Borough of_1.10	Improve the north-south public transport provision in the Borough.	Encourage use of public transport	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Decreased modal share for private car transport Target emissions reduction: 0.002
Hillingdon, London Borough of_1.11	Support multi modal travel by further development of public transport interchanges for rail/cycle/bus/walking both within Hillingdon and the West London area.	Encourage use of public transport and active transport	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Decreased modal share for private car transport Target emissions reduction: 0.002
Hillingdon, London Borough of_1.12	Encourage development of efficient and high quality bus corridors.	Encourage use of public transport	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Decreased modal share for private car transport Target emissions reduction: 0.004
Hillingdon, London Borough of_1.13	Investigate potential for more night buses.	Encourage use of public transport	Other measure: Other measure	Other	Start date: 2010 Expected end date: 2010 Spatial scale: Whole town or city Source affected: Transport Indicator: Decreased modal share for private car transport Target emissions reduction: 0.002

Measure code	Description	Focus	Classification	Status	Other information
Hillingdon, London Borough of_1.14	Investigate the feasibility of working with relevant stakeholders to subsidise bus, train and underground fares in order to achieve significant modal shift.	Encourage use of public transport	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2005 Expected end date: 2010 Spatial scale: Whole town or city Source affected: Transport Indicator: Decreased modal share for private car transport Target emissions reduction: 0.019
Hillingdon, London Borough of_2.1	Introduce Home Zones/20 mph in residential areas subject to significant amounts of through traffic that should use alternative routes.	Reducing through traffic	Traffic planning and management: Reduction of speed limits and control	Implementation	Start date: 2005 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Number of areas subject to Home Zone / 20mph controls Target emissions reduction: 0.001
Hillingdon, London Borough of_2.2	Support the West London Transit Scheme project if appropriate.	Reducing through traffic	Traffic planning and management: Improvement of public transport	Other	Start date: 2007 Expected end date: 2007 Spatial scale: Whole town or city Source affected: Transport Indicator: Adoption of West London Transit Scheme, if appropriate. Target emissions reduction: 0.003
Hillingdon, London Borough of_2.3	Ensure the provision of sufficient signage and details of spaces for public car parks.	Efficient use of the road network	Public information and Education: Other mechanisms	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Erection of signage at appropriate locations Target emissions reduction: 0.002
Hillingdon, London Borough of_2.4	Investigate the creation of Clear Zones.	Efficient use of the road network	Traffic planning and management: Other measure	Other	Start date: 2005 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: Creation of Clear Zones, if appropriate Target emissions reduction: 0.001
Hillingdon, London Borough of_2.5	Develop best practice advice to ensure air quality assessments are made for proposals for new transport infrastructure and changes to traffic management.	Forecasting impact of future developments	Other measure: Other measure	Evaluation	Start date: 2005 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Air quality assessments made for all relevant sites Target emissions reduction: N/A
Hillingdon, London Borough of_2.6	Work in partnership with TfL to implement schemes along the high exceedance corridors designed to smooth traffic flows.	Efficient use of the road network	Traffic planning and management: Other measure	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduced congestion Target emissions reduction: 0.01

Measure code	Description	Focus	Classification	Status	Other information
Hillingdon, London Borough of_2.7	Improve coordination of road works and provide more effective signing around them.	Efficient use of the road network	Public information and Education: Other mechanisms	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduced congestion Target emissions reduction: 0.004
Hillingdon, London Borough of_2.8	Investigate use of high occupancy vehicle lanes and freight priority schemes along the major exceedance corridors such as the M4, A4, A40 and A312.	Efficient use of the road network	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2005 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Presence of schemes at relevant locations Target emissions reduction: 0.002
Hillingdon, London Borough of_2.9	Investigate the use of light rail/tram schemes along other high exceedance corridors such as the A4 and A40.	Efficient use of the road network	Traffic planning and management: Improvement of public transport	Evaluation	Start date: 2005 Expected end date: 2010 Spatial scale: Whole town or city Source affected: Transport Indicator: Decision on whether or not to support light rail / tram schemes Target emissions reduction: 0.002
Hillingdon, London Borough of_2.10	Investigate measures such as variable message signing to smooth traffic flows on the HA/TfL routes M4 and surrounding link roads.	Efficient use of the road network	Traffic planning and management: Other measure	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Position on usefulness of variable message signing, etc. Target emissions reduction: 0.003
Hillingdon, London Borough of_2.11	Investigate use of speed limits on major roads at the optimal level for NOx and PM10 emissions for the current traffic profile.	Efficient use of the road network	Traffic planning and management: Reduction of speed limits and control	Implementation	Start date: 2005 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Identification of routes and appropriate speeds Target emissions reduction: 0.003
Hillingdon, London Borough of_2.12	Identify air quality congestion-related hotspots throughout West London and the appropriate measures for delivering improvement in both congestion and air quality e.g. new access road from the A40 to Ruislip industrial areas.	Target specific action on most problematic sites	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2005 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: List of sites and measures Target emissions reduction: 0.01

Measure code	Description	Focus	Classification	Status	Other information
Hillingdon, London Borough of_2.13	Support rail projects that have the potential effect to cut through traffic e.g. Crossrail and extending the Underground system (e.g. Central Line to Uxbridge).	Efficient use of the transport network	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Provision of support for Crossrail and other schemes as appropriate Target emissions reduction: 0.005
Hillingdon, London Borough of_2.14	Work in partnership to investigate use of fiscal measures, such as road pricing, for reducing traffic on major road networks.	Efficient use of the road network, modal shift	Traffic planning and management: Congestion pricing zones	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Consideration given at appropriate level to use of fiscal measures Target emissions reduction: 0.03
Hillingdon, London Borough of_2.15	Consider establishment of cross-agency regional group to address air quality issues with regards to roads.	Efficient use of the road network	Traffic planning and management: Other measure	Evaluation	Start date: 2013 Expected end date: 2013 Spatial scale: Whole town or city Source affected: Transport Indicator: Establishment of cross-agency regional group Target emissions reduction: N/A
Hillingdon, London Borough of_3.1	Develop and implement an Action Plan via the BAA Heathrow Clean Vehicle Programme to make improvements in the Council vehicle fleet with regard to reducing emissions.	Promotion of cleaner vehicle technology	Public procurement: Other measure	Implementation	Start date: 2005 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Improvements to Council fleet Target emissions reduction: 0.001
Hillingdon, London Borough of_3.2	Encourage local businesses and freight operators in Hillingdon to sign up to the Clean Vehicle Programme and develop and implement action plans for reducing emissions.	Promotion of cleaner vehicle technology	Public procurement: Other measure	Implementation	Start date: 2005 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Membership of the Clean Vehicle Programme and existence of action plan for reducing emissions Target emissions reduction: 0.006
Hillingdon, London Borough of_3.3	Provide training for local authority drivers to minimise emissions, and consider opening training opportunities to other drivers working for businesses in Hillingdon.	Reduce emissions from vehicles during operation	Other measure: Other measure	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Provision of training Target emissions reduction: 0.0033

Measure code	Description	Focus	Classification	Status	Other information
Hillingdon, London Borough of_3.4.1	Ensure the implementation of the Idling Vehicles Regulations.	Reduce emissions from vehicles during operation	Traffic planning and management: Other measure	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Implementation of the Idling Vehicle Regulations Target emissions reduction: 0.0003
Hillingdon, London Borough of_3.4.2	Actively promote the use of the Dirty Diesel Hotline for reporting smoky vehicles spotted in Hillingdon.	Reduce emissions from vehicles during operation	Other measure: Other measure	Other	Start date: 2006 Expected end date: 2008 Spatial scale: Whole town or city Source affected: Transport Indicator: Dissemination of information on the Dirty Diesel Hotline Target emissions reduction: 0.00003
Hillingdon, London Borough of_3.6	Install signs in waiting areas of Council premises, bus garages, coach stations and major leisure venues, etc. advising drivers to switch off engines when stationary.	Reduce emissions from vehicles during operation	Traffic planning and management: Other measure	Evaluation	Start date: 2006 Expected end date: 2008 Spatial scale: Whole town or city Source affected: Transport Indicator: Signs installed in all relevant locations Target emissions reduction: 0.003
Hillingdon, London Borough of_3.7	Lead the way in trialling new technology, where appropriate, and act as a point of information for businesses and other stakeholders in Hillingdon for cleaner vehicle technologies, national schemes and grant systems for the use of alternative fuels.	Promotion of cleaner vehicle technology	Public procurement: New vehicles, including low emission vehicles	Implementation	Start date: 2005 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Trials of new technology in the Borough, dissemination of findings. Target emissions reduction: 0.001
Hillingdon, London Borough of_3.8	Participate in the London-wide Vehicle Emissions Testing programme.	Reduce emissions from vehicles during operation	Other measure: Other measure	Evaluation	Start date: 2006 Expected end date: 2008 Spatial scale: Whole town or city Source affected: Transport Indicator: Participation in the Scheme Target emissions reduction: 0.009
Hillingdon, London Borough of_3.9	Investigate the provision of low or zero emission buses for schools within the high exceedance areas.	Promotion of cleaner vehicle technology	Public procurement: Other measure	Evaluation	Start date: 2005 Expected end date: 2012 Spatial scale: Local Source affected: Transport Indicator: Position reached on provision of low or zero emission buses for schools in high exceedance areas Target emissions reduction: 0.004

Measure code	Description	Focus	Classification	Status	Other information
Hillingdon, London Borough of_3.10	Focusing on areas and corridors of high exceedance within residential areas, investigation into the banning or restricting of traffic, or particular types of traffic, from identified roads.	Promotion of cleaner vehicle technology	Traffic planning and management: Other measure	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Position reached on traffic restrictions in certain locations Target emissions reduction: N/A
Hillingdon, London Borough of_3.11	Investigate the potential for discounts for residents with low emission vehicles in Parking Management Areas.	Promotion of cleaner vehicle technology	Traffic planning and management: Differentiation of parking fees	Other	Start date: 2010 Expected end date: 2011 Spatial scale: Local Source affected: Transport Indicator: Position reached on discounts Target emissions reduction: 0.001
Hillingdon, London Borough of_3.12	Develop sub-regional Bus Quality Partnerships focussed on addressing the contribution of buses and coaches to emissions.	Promotion of cleaner vehicle technology	Public procurement: Other measure	Evaluation	Start date: 2006 Expected end date: 2008 Spatial scale: Whole town or city Source affected: Transport Indicator: Establishment of Partnership Target emissions reduction: N/A
Hillingdon, London Borough of_3.13	Work in partnership for the provision of low emission buses in the West London/ Heathrow region.	Promotion of cleaner vehicle technology	Public procurement: Other measure	Evaluation	Start date: 2006 Expected end date: 2008 Spatial scale: Whole town or city Source affected: Transport Indicator: Deployment of low emission buses Target emissions reduction: 0.02
Hillingdon, London Borough of_3.14	Ensure freight developments in the West London area are subjected to an air quality assessment before implementation.	Promotion of cleaner vehicle technology	Public procurement: Other measure	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Air quality assessments made for all relevant sites Target emissions reduction: 0.005
Hillingdon, London Borough of_3.15	Work with the West London Freight Quality Partnership to develop a Freight Strategy to include reducing the air quality impact of freight maximising opportunities to move freight from road to other modes e.g. canals.	Promotion of cleaner vehicle technology	Traffic planning and management: Freight transport measure	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Adoption of Freight Strategy Target emissions reduction: 0.001

Measure code	Description	Focus	Classification	Status	Other information
Hillingdon, London Borough of_3.16	Facilitate the uptake and use of alternative fuels, including water-diesel emulsion. This should include development of appropriate alternative refuelling infrastructure where necessary e.g. charging points for electric vehicles.	Promotion of cleaner vehicle technology	Public procurement: Other measure	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Availability of facilities for alternative fuelling Target emissions reduction: 0.006
Hillingdon, London Borough of_3.18	Work to ensure fiscal encouragement of the adoption of low and zero emissions vehicles through the provision of discounts when entering any proposed LEZ or Congestion charging zone.	Promotion of cleaner vehicle technology	Traffic planning and management: Differentiation of parking fees	Evaluation	Start date: 2008 Expected end date: 2008 Spatial scale: Whole agglomeration Source affected: Transport Indicator: Lobbying of relevant authorities Target emissions reduction: 0.002
Hillingdon, London Borough of_3.19	Promote best practice in terms of emissions management with the train operators, the Strategic Rail Authority and Network Rail.	Promotion of cleaner vehicle technology	Public procurement: Other measure	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Best practice guidance made available Target emissions reduction: 0.002
Hillingdon, London Borough of_4.2	Develop system for auditing the ATM limit and parking provisions for operational T5.	Emission control at Heathrow Airport	Permit systems and economic instruments: Other measure	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: Development of audit system Target emissions reduction: N/A
Hillingdon, London Borough of_4.5	Quantify and pursue emission reductions for all new on-airport development.	Emission control at Heathrow Airport	Other measure: Other measure	Implementation	Start date: 2005 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: Ensure air quality assessments made of all relevant developments Target emissions reduction: 0.029
Hillingdon, London Borough of_4.6	Evaluate best practice from European and International airports with regard to the minimisation of air quality impacts and assess feasibility of application at Heathrow.	Emission control at Heathrow Airport	Traffic planning and management: Other measure	Implementation	Start date: 2013 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: Evaluation of best practice Target emissions reduction: 5% (with 4.7)

Measure code	Description	Focus	Classification	Status	Other information
Hillingdon, London Borough of_4.9.2	Introduce differentiated landing charges at a level that would force cleaner engine technology.	Emission control at Heathrow Airport	Permit systems and economic instruments: Introduction/increase of environment charges	Other	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: Adoption of differentiated landing charges aimed at cleaner engine technology Target emissions reduction: 0.029
Hillingdon, London Borough of_4.11	Review air quality monitoring regime at Heathrow and identify potential gaps.	Emission control at Heathrow Airport	Other measure: Other measure	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: Recommendations on monitoring regime Target emissions reduction: N/A
Hillingdon, London Borough of_4.12	Maintain production of externally audited Emissions Inventory on bi-annual basis.	Emission control at Heathrow Airport	Other measure: Other measure	Implementation	Start date: 2005 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: Audit emissions inventory Target emissions reduction: N/A
Hillingdon, London Borough of_4.14	Pursue quantification of measures in the BAA Air Quality Action Plan and Surface Access Strategy in terms of air quality impacts.	Emission control at Heathrow Airport	Other measure: Other measure	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Lobby for quantification Target emissions reduction: N/A
Hillingdon, London Borough of_4.15	Assess feasibility of Congestion/ Access Charging at Heathrow to reduce overall travel movements to the airport.	Emission control at Heathrow Airport	Traffic planning and management: Congestion pricing zones	Other	Start date: 2007 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Reach conclusion on feasibility of congestion and access charging Target emissions reduction: N/A
Hillingdon, London Borough of_4.16	Assess feasibility of a Heathrow specific LEZ to reduce emissions and accelerate take up of cleaner vehicle technology.	Emission control at Heathrow Airport	Traffic planning and management: Low emission zones	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Recommendations on Heathrow specific LEZ Target emissions reduction: 0.015

Measure code	Description	Focus	Classification	Status	Other information
Hillingdon, London Borough of_4.17	Assess appropriate target for modal shift to maximise air quality improvements.	Emission control at Heathrow Airport	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Define appropriate target for modal shift Target emissions reduction: 0.008
Hillingdon, London Borough of_4.18	Define programme for the establishment of code of practice for airlines best operating practice to maximise reduction of emissions.	Emission control at Heathrow Airport	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: Definition of programme Target emissions reduction: 0.029
Hillingdon, London Borough of_4.19	Develop best practice guidelines to ensure air quality impact assessments are integral part of relevant transport and transport infrastructure proposals, and that appropriate mitigation measures are inclusive part of any scheme.	Emission control at Heathrow Airport	Other measure: Other measure	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Publish best practice guidance Target emissions reduction: 0.006
Hillingdon, London Borough of_4.20	Assess feasibility of specifying emissions criteria for Heathrow taxis, buses and coaches using the Central Bus Terminal, and car hire shuttles, hopper buses etc.	Emission control at Heathrow Airport	Public procurement: Other measure	Other	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Define emissions criteria, if appropriate Target emissions reduction: 0.003
Hillingdon, London Borough of_4.21	Ensure the minimisation of the air quality impact of freight deliveries to and from Heathrow is a key objective of the West London Freight Quality Partnership (WLFQP).	Emission control at Heathrow Airport	Traffic planning and management: Freight transport measure	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Ensure WLFQP adopts air quality objective Target emissions reduction: 0.002
Hillingdon, London Borough of_4.22	Assess the use of bus priority, guided buses and high occupancy vehicle lanes in the Heathrow area.	Emission control at Heathrow Airport	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Recommendations on bus priority, etc. Target emissions reduction: 0.003
Hillingdon, London Borough of_4.23	Assess the feasibility of a Park and Ride scheme specifically for Heathrow.	Emission control at Heathrow Airport	Traffic planning and management: Improvement of public transport	Other	Start date: 2007 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Recommendations on park and ride Target emissions reduction: 0.006

Measure code	Description	Focus	Classification	Status	Other information
Hillingdon, London Borough of_4.24	Assess the health impact of Heathrow Airport and associated activities.	Emission control at Heathrow Airport	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: Quantification of health impact Target emissions reduction: N/A
Hillingdon, London Borough of_4.26	Explore feasibility of reducing fares on the Heathrow Express.	Emission control at Heathrow Airport	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2005 Expected end date: 2012 Spatial scale: Local Source affected: Transport Indicator: Recommendations on fare reductions Target emissions reduction: 0.0003
Hillingdon, London Borough of_4.28	Explore feasibility of an airport passenger tax, ring-fenced for increased public transport.	Emission control at Heathrow Airport	Permit systems and economic instruments: Introduction/increase of environmental funding	Other	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Recommendations on airport passenger tax and use of revenues Target emissions reduction: N/A
Hillingdon, London Borough of_5.1	Support opportunities for Combined Heat and Power where appropriate within the Borough.	Emission control from local industry and other businesses	Other measure: Other measure	Implementation	Start date: 2005 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Industry including heat and power production Indicator: Support opportunities where they arise and are appropriate Target emissions reduction: 0.002
Hillingdon, London Borough of_5.2	Introduce (within reason) progressively stricter conditions on Part A industrial processes, including incineration processes, especially when located within high exceedance areas or where the impact is predicted to be within high exceedance areas.	Emission control from local industry and other businesses	Permit systems and economic instruments: IPPC permits	Evaluation	Start date: 2006 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Industry including heat and power production Indicator: Identification of sites where further regulation may be appropriate, followed by tightening of standards Target emissions reduction: 0.003

Measure code	Description	Focus	Classification	Status	Other information
Hillingdon, London Borough of_5.3	Work with the Environment Agency to improve public dissemination of industrial pollutant emissions data and other relevant information, for example on performance against permit conditions.	Emission control from local industry and other businesses	Public information and Education: Internet	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Industry including heat and power production Indicator: Dissemination of emissions data and other relevant information Target emissions reduction: N/A
Hillingdon, London Borough of_5.4	Discourage the use of bonfires on all industrial sites.	Emission control from local industry and other businesses	Other measure: Other measure	Evaluation	Start date: 2005 Expected end date: 2006 Spatial scale: Whole town or city Source affected: Industry including heat and power production Indicator: Guidance on use of bonfires Target emissions reduction: 0.000003
Hillingdon, London Borough of_5.5	Adopt best practice strategy for all proposed demolition and development projects. This will include the use of low emission vehicles and equipment and the use of dust minimisation techniques.	Emission control from local industry and other businesses	Other measure: Other measure	Evaluation	Start date: 2005 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Industry including heat and power production Indicator: Adoption and dissemination of best practice Target emissions reduction: 0.0003
Hillingdon, London Borough of_5.6	Ensure continued regulation of part B industrial processes and maintenance of part B register. Ensure register is available on-line.	Emission control from local industry and other businesses	Permit systems and economic instruments: Other measure	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Industry including heat and power production Indicator: Continued regulation and dissemination of information Target emissions reduction: 0.001
Hillingdon, London Borough of_5.7	Investigate introduction of Air Quality Action Plans for local industries, including those currently unregulated under EA.	Emission control from local industry and other businesses	Other measure: Other measure	Other	Start date: 2007 Expected end date: 2012 Spatial scale: Whole town or city Source affected: Industry including heat and power production Indicator: Introduce plans if considered appropriate Target emissions reduction: 0.001

Measure code	Description	Focus	Classification	Status	Other information
Hillingdon, London Borough of_5.8	Consider introduction of Environmental Award system for local industries and businesses.	Emission control from local industry and other businesses	Public information and Education: Other mechanisms	Other	Start date: 2009 Expected end date: 2010 Spatial scale: Whole town or city Source affected: Industry including heat and power production Indicator: Introduction of Award system if likely to be beneficial Target emissions reduction: N/A
Hillingdon, London Borough of_5.9	Encourage businesses to participate in environmental management schemes and to continue to improve environmental performance.	Emission control from local industry and other businesses	Other measure: Other measure	Implementation	Start date: 2013 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Industry including heat and power production Indicator: Increased participation Target emissions reduction: 0.001
Hillingdon, London Borough of_6.1	Provide a consolidated platform for advising businesses and the public of the risks of air pollution, ways of reducing pollution, and campaigns such as Bike to Work Week, combining information from various Council departments and other bodies.	Improved eco-efficiency of existing and future developments	Public information and Education: Other mechanisms	Implementation	Start date: 2005 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: Level of coordination achieved across the Council Target emissions reduction: 0.002
Hillingdon, London Borough of_6.2	Work with existing buildings and housing stock to secure improvements in emissions.	Improved eco-efficiency of existing and future developments	Other measure: Other measure	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: Improved energy efficiency of existing housing stock Target emissions reduction: 0.01
Hillingdon, London Borough of_6.3	Ensure continued use of existing mechanisms such as Section 106 agreements for improvements in air quality.	Improved eco-efficiency of existing and future developments	Other measure: Other measure	Implementation	Start date: 2005 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Use of Section 106 Agreements Target emissions reduction: 0.002
Hillingdon, London Borough of_6.4	Review and update Air Quality Supplementary Guidance when appropriate	Improved eco-efficiency of existing and future developments	Other measure: Other measure	Implementation	Start date: 2002 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Updated Air Quality Supplementary Guidance Target emissions reduction: 0.001

Measure code	Description	Focus	Classification	Status	Other information
Hillingdon, London Borough of_6.5	Quantify cumulative effects of new developments within AQMA.	Improved eco-efficiency of existing and future developments	Other measure: Other measure	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Undertake assessments of all relevant projects Target emissions reduction: N/A
Hillingdon, London Borough of_6.6	Develop supplementary planning guidance for sustainable design and construction.	Improved eco-efficiency of existing and future developments	Other measure: Other measure	Evaluation	Start date: 2005 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: SPG developed Target emissions reduction: N/A
Hillingdon, London Borough of_6.7	Raise awareness of sustainable waste management practices.	Improved eco-efficiency of existing and future developments	Public information and Education: Other mechanisms	Implementation	Start date: 2005 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Disseminate information on sustainable waste management Target emissions reduction: 0.0001
Hillingdon, London Borough of_6.8	Development of West London Air Quality Supplementary Planning Document (SPD) to ensure consistency across Borough boundaries, explore opportunities for joint Section 106 agreements.	Improved eco-efficiency of existing and future developments	Other measure: Other measure	Other	Start date: 2008 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Publication of West London Air Quality SPD Target emissions reduction: N/A
Hillingdon, London Borough of_7.1	Ensure that the London Development Framework, Borough Transport Strategy the Community Plan and future corporate strategies incorporate the Borough air quality action plan and local air quality strategy measures where appropriate.	Coordination with regional plans	Other measure: Other measure	Implementation	Start date: 2005 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Other, please specify Indicator: Recognition of Hillingdon AQAP in LDF, etc. Target emissions reduction: N/A
Hillingdon, London Borough of_7.2	Develop an environmental management system for Hillingdon Borough Council.	Improvement of LB Hillingdon's environmental performance	Other measure: Other measure	Other	Start date: 2005 Expected end date: 2008 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Adoption of EMS Target emissions reduction: 0.002

Measure code	Description	Focus	Classification	Status	Other information
Hillingdon, London Borough of_7.3	Establish an Environment Coordination Office for more effective integration of actions to improve environmental performance within and outside the Council.	Coordination of action plan with other local plans	Other measure: Other measure	Evaluation	Start date: 2013 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Effective dissemination of information on environmental performance, etc. Target emissions reduction: 0.02
Hillingdon, London Borough of_7.4	Implement an integrated procurement strategy so that purchase of goods and services is evaluated against London sustainability targets.	Improvement of LB Hillingdon's environmental performance	Other measure: Other measure	Evaluation	Start date: 2008 Expected end date: 2012 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Adoption and implementation of procurement strategy Target emissions reduction: 0.001
Hillingdon, London Borough of_7.5	Provide air quality information to interested parties and link with other health initiatives.	Dissemination and health impact assessment	Public information and Education: Internet	Implementation	Start date: 2005 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Dissemination of information Target emissions reduction: N/A
Hillingdon, London Borough of_7.6	Work with the London Sustainable Distribution Partnership to implement infrastructure for effective and integrated distribution of goods in London.	Efficient freight transport	Traffic planning and management: Freight transport measure	Other	Start date: 2005 Expected end date: 2014 Spatial scale: Whole agglomeration Source affected: Transport Indicator: Improved freight distribution Target emissions reduction: N/A
Hillingdon, London Borough of_7.7	Work in partnership to ensure consistency of Action Plan measures and explore all opportunities for regional measures for reducing emissions.	Coordination with regional plans	Other measure: Other measure	Implementation	Start date: 2005 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Other, please specify Indicator: Recognition of Hillingdon AQAP in regional planning Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Hillingdon, London Borough of_7.8	Development of regional Air Quality Strategy to tackle cross-boundary issues and include all National Air Quality Strategy pollutants, climate change etc.	Coordination with regional plans	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Other, please specify Indicator: Development of Strategy Target emissions reduction: N/A
Hillingdon, London Borough of_8.1	Develop and maintain management system for implementation of the plan.	Efficient action plan management and implementation	Other measure: Other measure	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Delivery of annual reports Target emissions reduction: N/A
Hillingdon, London Borough of_8.2	Identify and secure all potential funding for Action Plan initiatives.	Efficient action plan management and implementation	Other measure: Other measure	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Funding in place for implementation of the Action Plan Target emissions reduction: N/A
Hillingdon, London Borough of_8.3	Maintain, and where necessary expand, the existing air quality monitoring network.	Efficient action plan management and implementation	Other measure: Other measure	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Need assessed during Update Screening and Assessment Reports. Target emissions reduction: N/A
Hillingdon, London Borough of_8.4	Review and assessment of air quality in line with Defra guidance.	Efficient action plan management and implementation	Other measure: Other measure	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Delivery of annual reports Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Hillingdon, London Borough of_8.7	Review and adapt the action plan according to opportunity and circumstance.	Efficient action plan management and implementation	Other measure: Other measure	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Need to be highlighted in annual review Target emissions reduction: N/A
Hillingdon, London Borough of_8.8	Maintain consultation process to disseminate information on progress against defined targets to other stakeholders.	Efficient action plan management and implementation	Public information and Education: Other mechanisms	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Effective dissemination of information Target emissions reduction: N/A
Hillingdon, London Borough of_8.9	Examine potential for the development of regional action plan on cross boundary issues.	Efficient action plan management and implementation	Other measure: Other measure	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Other, please specify Indicator: Engagement with authorities and agencies outside Hillingdon. Target emissions reduction: N/A
King's Lynn and West Norfolk Borough Council_1	Develop Parking Management Plan	Smooth out traffic flow over the course of the day. Increase car park usage within Town. Review car parking provision within King's Lynn layout, type and location Improve traffic flow through AQMA and reduce congestion	Traffic planning and management: Management of parking places	Planning	Start date: 2015 Expected end date: 2017 Spatial scale: Whole town or city Source affected: Transport Indicator: Publication of implementation plan Target emissions reduction: 2
King's Lynn and West Norfolk Borough Council_2	New access road from Wisbech Road through Friars to Boal Street.	Removal of some traffic from London Road/ Railway Road. Removal of buses, and potential reduction in car movements. Consider use of route by Taxi's & PHV	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2010 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Continued air quality monitoring. Bus flow counts on London Road and new route Target emissions reduction: 2 to 3
King's Lynn and West Norfolk Borough Council_3	Incentivise the use of public transport	Removal of some traffic from London Road, Railway Road and Gaywood Clock area. Potential reduction in car movements.	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2017 Spatial scale: Whole town or city Source affected: Transport Indicator: Continued air quality monitoring. Bus usage figures Target emissions reduction: 1

Measure code	Description	Focus	Classification	Status	Other information
King's Lynn and West Norfolk Borough Council_4	Implementation of Urban Traffic Control system (UTC) at principal junctions within AQMA and adjacent to AQMA	Reduction of emissions within the AQMA from stop/start driving. Improve traffic flow and reduce congestion. Improve traffic flow and reduce congestion	Traffic planning and management: Other measure	Evaluation	Start date: 2010 Expected end date: 2011 Spatial scale: Local Source affected: Transport Indicator: Continued air quality monitoring. Queue length at junctions at peak times Target emissions reduction: 2 to 5
King's Lynn and West Norfolk Borough Council_5	Installation of selective vehicle detection (SVD) system	Reduction of emissions within the AQMA from stop/start driving. Improve flow of public transport vehicles	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2011 Expected end date: 2012 Spatial scale: Local Source affected: Transport Indicator: Number of vehicles fitted with SVD. Annual average daily traffic numbers Target emissions reduction: 1
King's Lynn and West Norfolk Borough Council_6	Decriminalisation of parking. Review of parking controls and enforcement in AQMAs and King's Lynn Town Centre (Linked to 4, 10, 11 & 12)	Improve traffic flow through AQMA and reduce congestion Smooth out traffic flow over the course of the day.	Traffic planning and management: Management of parking places	Evaluation	Start date: 2010 Expected end date: 2011 Spatial scale: Whole town or city Source affected: Transport Indicator: Implementation of enforcement in AQMAs and Town Centre. Continued air quality monitoring. Target emissions reduction: 1
King's Lynn and West Norfolk Borough Council_7	Variable car parking rates (Linked to 4, 9, 11 & 12)	Vary rate for long and short term parking. Even out peak flows but encourage short term trips. Improve traffic flow through AQMA and reduce congestion Smooth out traffic flow over the course of the day	Traffic planning and management: Differentiation of parking fees	Planning	Start date: 2014 Expected end date: 2017 Spatial scale: Whole town or city Source affected: Transport Indicator: Continued air quality monitoring Car park usage Queue lengths Target emissions reduction: 1
King's Lynn and West Norfolk Borough Council_8	Variable message signs (Linked to 4, 9, 10 & 12)	Provide signage to direct drivers to available parking spaces. Improve traffic flow through AQMA and reduce congestion. Smooth out traffic flow over the course of the day	Traffic planning and management: Other measure	Evaluation	Start date: 2014 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: Peak hour parking usage Car park usage Continued air quality monitoring Queue lengths Target emissions reduction: 1

Measure code	Description	Focus	Classification	Status	Other information
King's Lynn and West Norfolk Borough Council_9	Investigate potential for residents only parking in or close to AQMAs (Linked to 4, 9, 10 & 11)	Develop residents only parking zones. Improve traffic flow through AQMA and reduce congestion. Smooth out traffic flow over the course of the day. Increase car park usage within Town	Traffic planning and management: Management of parking places	Planning	Start date: 2014 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: Peak hour parking usage Car park usage Continued air quality monitoring Queue lengths Target emissions reduction: 1
King's Lynn and West Norfolk Borough Council_10	Support the use of West Lynn ferry	Encourage use of the ferry from West Lynn to the town centre	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Number of passengers using the ferry Target emissions reduction: 1
King's Lynn and West Norfolk Borough Council_11	Changes to the Road Layout within the King's Lynn Gyratory as proposed by KLATS	Smooth out traffic flow over the course of the day. Increase car park usage within Town. Improve traffic flow and reduce congestion in AQMAs	Traffic planning and management: Encouragement of shift of transport modes	Planning	Start date: 2015 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Continued air quality monitoring. Daily traffic flow data and queue lengths Target emissions reduction: 2 to 10
King's Lynn and West Norfolk Borough Council_12	Traffic Management at London Road and Southgates	Investigate measures to displace queuing traffic	Traffic planning and management: Other measure	Planning	Start date: 2015 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Continued air quality monitoring. Queue length at junctions at peak times Target emissions reduction: 1 to 5
King's Lynn and West Norfolk Borough Council_13	Traffic Management at Gaywood clock	Investigate measures to displace queuing traffic	Traffic planning and management: Other measure	Planning	Start date: 2015 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Continued air quality monitoring. Queue length at junctions at peak times Target emissions reduction: 1 to 5
King's Lynn and West Norfolk Borough Council_14	Promotion of travel plans, school travel plans and promotion of car sharing	Encourage alternatives to car use and to single car occupancy and reduce need to travel for work. Particularly at large employers	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Continued air quality monitoring. Number of travel plans Target emissions reduction: 1

Measure code	Description	Focus	Classification	Status	Other information
King's Lynn and West Norfolk Borough Council_15	Improved cycling and walking provision	Improvement of space for walking and cycling such as cycle lanes and pavements. Promotion of Sustrans maps and bicycle user groups	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Cycle usage and walking provision. Number of cycle/foot path improvements Target emissions reduction: 1
King's Lynn and West Norfolk Borough Council_16	Investigate feasibility and if viable, provide Electric vehicle charging points in car parks and in new developments	Encourage the use of electric vehicles within the Town Centre	Public procurement: Other measure	Other	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Number & use of EV charging points installed Target emissions reduction: 1
King's Lynn and West Norfolk Borough Council_17	Quality Bus Partnerships and contracts	Contract between the Council and bus operators that include type of bus, level of service and vehicle emissions	Public procurement: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Continued air quality monitoring. % buses Euro 3 or better. Installation of SVD Target emissions reduction: 1
King's Lynn and West Norfolk Borough Council_18	With regard to National Planning Policy Framework, adopt Norfolk Technical Guidance on Air Quality and provide pre-application advice on planning applications	Raise air quality concerns early in the decision making process and provide a technical framework	Other measure: Other measure	Preparation	Start date: 2014 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Production of documents Target emissions reduction: 1
King's Lynn and West Norfolk Borough Council_19	With regard to National Planning Policy Framework, include air quality considerations in the Local Plans and adopt an air quality Development Management Policy.	Give appropriate weight to air quality in the decision making process	Other measure: Other measure	Evaluation	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Production of documents Target emissions reduction: 1
Luton Borough Council_1	Reduce Congestion on the Motorway	Hard Shoulder running and variable speed limit	Traffic planning and management: Other measure	Evaluation	Start date: 2013 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Improved traffic flow during peak periods on the M1 Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Luton Borough Council_2	Emissions reduction in targeted areas across the borough	Reduction in speed limit to 20mph in residential areas	Traffic planning and management: Reduction of speed limits and control	Implementation	Start date: 2004 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: Length of roads with 20mph speed limit Target emissions reduction: N/A
Luton Borough Council_3	Traffic reduction across the borough	Travel Planning	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of voluntary and formal travel plans submitted Target emissions reduction: N/A
Luton Borough Council_4	Traffic reduction across the borough	Encourage / facilitate home working	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of employers involved in Travel Luton Business Support Programme Target emissions reduction: N/A
Luton Borough Council_5	Traffic reduction across the borough	Promote active travel	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of households contacted as part of personalised journey planning and number employers involved in Travel Luton Business Support Programme Target emissions reduction: N/A
Luton Borough Council_6	Traffic reduction across the borough	School Travel Plans	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of new and updated school travel plans Target emissions reduction: N/A
Luton Borough Council_7	Traffic reduction across the borough	Promote public transport use	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of households contacted as part of personalised journey planning and number employers involved in Travel Luton Business Support Programme Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Luton Borough Council_8	Reduce Vehicle emissions	ECO Driver Training	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of Smarter driving training courses offered Target emissions reduction: N/A
Luton Borough Council_9	Traffic reduction across the borough	Lift sharing schemes	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2017 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of private lift sharing schemes Target emissions reduction: N/A
Luton Borough Council_10	Traffic reduction across the borough	Car club	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Number of car club users Target emissions reduction: N/A
Luton Borough Council_11	Encourage greater use of public transport	Provision of transport hub building	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2015 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Passengers using hub building Target emissions reduction: N/A
Luton Borough Council_12	Promote active transport alternatives	Cycle network	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Length of network in Km Target emissions reduction: N/A
Luton Borough Council_13	Encourage greater uptake of clean energies	Provision of EV charge points	Public procurement: Other measure	Implementation	Start date: 2011 Expected end date: 2017 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of EV charge points Target emissions reduction: N/A
Luton Borough Council_14	Reduction of start stop traffic	Realigning of roads to streamline traffic	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: No significant reduction in peak journey time/speeds Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Luton Borough Council_15	Encourage greater use of public transport	Luton Dunstable Busway	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Increase in number of bus passengers Target emissions reduction: N/A
Luton Borough Council_16	Reduction of start stop traffic	Completion of Town Centre Ring Road	Traffic planning and management: Other measure	Evaluation	Start date: 2013 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: No significant reduction in peak journey time/speeds on town centre approaches Target emissions reduction: N/A
Luton Borough Council_17	Reduction of pollution from industrial processes	Survey of Borough to identify unpermitted processes	Permit systems and economic instruments: Other measure	Implementation	Start date: 2013 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Industry including heat and power production Indicator: Processes identified have obtained permits and are working towards complying with permit conditions Target emissions reduction: N/A
Luton Borough Council_18	Information to vulnerable groups	Resurrection of airAlert service	Public information and Education: Other mechanisms	Planning	Start date: 2014 Expected end date: 2016 Spatial scale: Local Source affected: Other, please specify Indicator: Service resurrected Target emissions reduction: N/A
Mid Suffolk District Council_1	Suffolk Planning and Air Quality Guidance	N/A	Other measure: Other measure	Implementation	Start date: 2009 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Mid Suffolk District Council_2	Continued Monitoring	N/A	Other measure: Other measure	Implementation	Start date: 2009 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
North Hertfordshire District Council_1.1	Inclusion of Air Quality in NHDC's Local Plan (LP) and development of a Supplementary Planning Document (SPD) for Air Quality	Inclusion of Air Quality in NHDC's Local Plan (LP) and development of a Supplementary Planning Document (SPD) for Air Quality	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: SUSTAINABLE DEVELOPMENTS Target emissions reduction: Unknown
North Hertfordshire District Council_1.3	Liaison on Urban Transport Plans (UTPs) and Local Transport Plans (LTPs)	Liaison on Urban Transport Plans (UTPs) and Local Transport Plans (LTPs)	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2020 Spatial scale: Whole town or city Source affected: Transport Indicator: MODAL SHIFT Target emissions reduction: Unknown
North Hertfordshire District Council_1.4	Investigate possibility of linking with NHDC Community Services (CS) to promote cycling/walking	Investigate possibility of linking with NHDC Community Services (CS) to promote cycling/walking	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2016 Expected end date: 2020 Spatial scale: Local Source affected: Commercial and residential sources Indicator: MORE PEOPLE WALKING/CYCLING Target emissions reduction: Unknown
North Hertfordshire District Council_1.5	Link into the Public Health agenda via the Joint Strategic Needs Assessment (JSNA)	Link into the Public Health agenda via the Joint Strategic Needs Assessment (JSNA)	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Other, please specify Indicator: Presence/Profile within JSNA Target emissions reduction: Unknown
North Hertfordshire District Council_1.6	Apply for Defra funding to help implement selected Action Plan measures	Apply for Defra funding to help implement selected Action Plan measures	Traffic planning and management: Other measure	Implementation	Start date: 2013 Expected end date: 2014 Spatial scale: Local Source affected: Other, please specify Indicator: Modal Shift Reduced congestion Target emissions reduction: UNKNOWN
North Hertfordshire District Council_2.2	Establish annual traffic count location at the Hitchin Hill roundabout, Stevenage Rd	Establish annual traffic count location at the Hitchin Hill roundabout, Stevenage Rd	Traffic planning and management: Other measure	Implementation	Start date: 2013 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: NUMBERS OF VEHICLES Target emissions reduction: NA

Measure code	Description	Focus	Classification	Status	Other information
North Hertfordshire District Council_3.1	Utilise NHDC media resources to raise awareness within NHDC and among the community	Utilise NHDC media resources to raise awareness within NHDC and among the community	Public information and Education: Other mechanisms	Implementation	Start date: 2013 Expected end date: 2020 Spatial scale: Local Source affected: Other, please specify Indicator: Increase public awareness Target emissions reduction: Na
North Hertfordshire District Council_3.2	Engage with local schools to raise air quality awareness in general & specifically with regard to travel to school	Engage with local schools to raise air quality awareness in general & specifically with regard to travel to school	Public information and Education: Other mechanisms	Planning	Start date: 2016 Expected end date: 2020 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Public awareness Target emissions reduction: Unknown
North Hertfordshire District Council_3.3	Engage with local business, particularly haulage companies, public transport & taxi companies but also any companies that show an interest in improving efficiency & reducing emissions from vehicle fleet or travel planning for staff that commute	Engage with local business, particularly haulage companies, public transport & taxi companies but also any companies that show an interest in improving efficiency & reducing emissions from vehicle fleet or travel planning for staff that commute	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2016 Expected end date: 2020 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: MODAL SHIFT Target emissions reduction: UNKNOWN
North Hertfordshire District Council_4.4	Installation of electric vehicle charging infra-structure to encourage uptake of electric vehicles	Installation of electric vehicle charging infra-structure to encourage uptake of electric vehicles	Public procurement: Other measure	Implementation	Start date: 2013 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: EV uptake Target emissions reduction: UNKNOWN
North Hertfordshire District Council_5.2	Changing company fleets (inc NHDC's) to encourage use of lower emission vehicles by use of procurement and other levers	Changing company fleets (inc NHDC's) to encourage use of lower emission vehicles by use of procurement and other levers	Public procurement: New vehicles, including low emission vehicles	Preparation	Start date: 2015 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: EV uptake Target emissions reduction: Unknown
North Hertfordshire District Council_6.1	Investigate an alternative route of access for HGVs from the east/south east to the Cadwell/Wilbury /Burymead industrial area of Hitchin	Investigate an alternative route of access for HGVs from the east/south east to the Cadwell/Wilbury /Burymead industrial area of Hitchin	Traffic planning and management: Other measure	Other	Start date: 2013 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Influence transport planning and reduce congestion Target emissions reduction: Unknown

Measure code	Description	Focus	Classification	Status	Other information
North Hertfordshire District Council_6.2	Investigate impact of altering current bus-stop locations on Stevenage Road to disperse impact of idling & reduce congestion	Investigate impact of altering current bus-stop locations on Stevenage Road to disperse impact of idling & reduce congestion	Traffic planning and management: Other measure	Other	Start date: 2016 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: Influence transport planning and reduce congestion Target emissions reduction: Unknown
North Hertfordshire District Council_6.3	Review parking provision and restrictions along Stevenage Road with the aim of reducing congestion	Review parking provision and restrictions along Stevenage Road with the aim of reducing congestion	Traffic planning and management: Other measure	Other	Start date: 2016 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: Influence transport planning and reduce congestion Target emissions reduction: Unknown
North Hertfordshire District Council_6.4	Investigate improvements to layout of Stevenage Road to ease congestion	Investigate improvements to layout of Stevenage Road to ease congestion	Traffic planning and management: Other measure	Other	Start date: 2013 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Influence transport planning and reduce congestion Target emissions reduction: Unknown
North Hertfordshire District Council_5.1	Investigate incorporation of emissions element to controlled parking zone charges	Investigate incorporation of emissions element to controlled parking zone charges	Traffic planning and management: Differentiation of parking fees	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Encourage EV uptake Target emissions reduction: Unknown
North Hertfordshire District Council_4.3	Consider the quality & provision of footways & pedestrian links & signage in vicinity of Stevenage Rd in relation to key destinations	Consider the quality & provision of footways & pedestrian links & signage in vicinity of Stevenage Rd in relation to key destinations	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2014 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Encourage walking Target emissions reduction: Unknown
Peterborough Council_1	Measure 1	N/A	Traffic planning and management: Management of parking places	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Peterborough Council_2	Measure 2	N/A	Traffic planning and management: Reduction of speed limits and control	Evaluation	Start date: 2004 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Peterborough Council_3	Measure 3	N/A	Traffic planning and management: Other measure	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Peterborough Council_4	Measure 4	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Peterborough Council_5	Measure 5	N/A	Traffic planning and management: Other measure	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Peterborough Council_6	Measure 6	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Peterborough Council_7	Measure 7	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Peterborough Council_8	Measure 8	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Peterborough Council_9	Measure 9	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: N/A Target emissions reduction: N/A
Peterborough Council_10	Measure 10	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Peterborough Council_11	Measure 11	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Peterborough Council_12	Measure 12	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Peterborough Council_13	Measure 13	N/A	Other measure: Other measure	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Peterborough Council_14	Measure 14	N/A	Public information and Education: Internet	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Peterborough Council_15	Measure 15	N/A	Public information and Education: Leaflets	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Peterborough Council_16	Measure 16	N/A	Public information and Education: Other mechanisms	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Peterborough Council_17	Measure 17	N/A	Public information and Education: Radio	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Peterborough Council_18	Measure 18	N/A	Public information and Education: Television	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Peterborough Council_19	Measure 19	N/A	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Peterborough Council_20	Measure 20	N/A	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Peterborough Council_21	Measure 21	N/A	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Peterborough Council_22	Measure 22	N/A	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Peterborough Council_23	Measure 23	N/A	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2004 Expected end date: 2011 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Peterborough Council_24	Measure 24	N/A	Other measure: Other measure	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Peterborough Council_25	Measure 25	N/A	Other measure: Other measure	Evaluation	Start date: 2004 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Peterborough Council_26	Measure 26	N/A	Traffic planning and management: Freight transport measure	Evaluation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Peterborough Council_27	Measure 27	N/A	Traffic planning and management: Freight transport measure	Other	Start date: 2011 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Peterborough Council_28	Measure 28	N/A	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Peterborough Council_29	Measure 29	N/A	Public procurement: Other measure	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Peterborough Council_30	Measure 30	N/A	Traffic planning and management: Differentiation of parking fees	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Redbridge, London Borough of_1	Manage Council Fleet Emissions	Reduce emissions in the AQMA by upgrading vehicles to meet the higher emission standard required for LEZ compliance.	Public procurement: New vehicles, including low emission vehicles	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Elimination of Euro I and II vehicles. Target emissions reduction: N/A
Redbridge, London Borough of_2	Implement training to ensure Council vehicles are driven sensibly and not left idling. Council vehicles fitted with Econospeed throttle controller to limit vehicle speed and RPM.	Reduce emissions in the AQMA and create fuel saving benefits.	Other measure: Other measure	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Monitoring and Evaluation of Council Vehicle Use. Continually Training and Refresher Training For Staff Target emissions reduction: N/A
Redbridge, London Borough of_3	Support the uptake of low emission electric vehicles	Reduce emissions in the AQMA	Traffic planning and management: Differentiation of parking fees	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Uptake of free parking for residents owning electric cars Target emissions reduction: N/A
Redbridge, London Borough of_4	Use car clubs as a means to encourage residents to give up owning a car and to drive less.	Reduce emissions in the AQMA	Other measure: Other measure	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Number of new car club members Target emissions reduction: N/A
Redbridge, London Borough of_5	Undertake measures to increase cycling in the borough. The Redbridge cycling targets are consistent with the Mayor of London's capital wide targets.	Reduce emissions in the AQMA	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Reduction in resident trips made by car and motorcycle. Increase in cycling as a proportion of traffic flow. Increase in staff cycling and walking to work Target emissions reduction: N/A
Redbridge, London Borough of_6	Council promoted to local transport operators developments for fleet improvements and funding opportunities to achieve compliance for Low Emission Zone (LEZ) implementation.	Reduce emissions in the AQMA	Traffic planning and management: Low emission zones	Implementation	Start date: 2007 Expected end date: 2007 Spatial scale: Local Source affected: Transport Indicator: Elimination of Euro I and II vehicles. Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Redbridge, London Borough of_7	Undertake measures to increase walking in the borough	Reduce car usage which will consequently reduce emissions in the AQMA	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction in resident trips made by car and motorcycle. Increase in walking. Increase in staff walking to work. Staff surveys and working from data Target emissions reduction: N/A
Redbridge, London Borough of_8	Increase the number of Urban Traffic Control Scoot (Split Cycle Offset Optimisation Technique) systems in the borough in partnership with Transport for London (TFL)	Reduce emissions in the AQMA by reducing/controlling congestion	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Reduction in traffic congestion Target emissions reduction: N/A
Redbridge, London Borough of_9	Implement an operational school travel plan in all schools across the borough	Increase sustainable travel modes amongst pupils, parents and teachers and decrease motor vehicle usage, which will lead to a decrease in emissions in AQMA.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Increase in sustainable travel modes to and from schools: data captured by school travel mode surveys Target emissions reduction: N/A
Redbridge, London Borough of_10	Increase the use of Controlled Parking Zones (CPZs) through out the borough.	Increased CPZs will minimise the number of motor vehicles in relative areas of the borough leading to a reduction in emissions.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Increase in CPZs across the borough. Target emissions reduction: N/A
Redbridge, London Borough of_11	Improve the accessibility to buses borough wide	Provide an alternative transport source and reduce reliance upon motor vehicles which will consequently reduce emissions.	Other measure: Other measure	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Increased bus usage instead of motor vehicle: progress can be monitored by mode of travel surveys Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Redbridge, London Borough of_12	Improve the Council's Travel Plan	Reduce emissions in the AQMA by increasing employee take up of sustainable travel options and working at home options.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Increased take up of sustainable travel options by employees: monitored by employee travel mode surveys. Working at home data. Target emissions reduction: N/A
Redbridge, London Borough of_13	Increase flexible working arrangements amongst permanent employees	Reduce emissions by employees working from home occasionally and not driving into work on those specific days.	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Number of employees working from home. The Council is looking at ways of working across all departments to increase efficiencies. Working from home arrangements may be extended more widely across the council. Target emissions reduction: N/A
Redbridge, London Borough of_14	Require developers to undertake an air quality assessment (AQA) in circumstances where a new development could have a negative impact on air quality, and developers must provide an air pollution mitigation plan where necessary.	Reducing emissions in the AQMA by reducing from new development.	Other measure: Other measure	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Number of planning applications assessed and regulated through Air Quality Assessments. Target emissions reduction: N/A
Redbridge, London Borough of_15	Encourage 'car free' parking developments where the potential development is well served by public transport.	Reducing emissions in the AQMA by limiting car usage through reduced parking provision.	Other measure: Other measure	Implementation	Start date: 2005 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Redbridge, London Borough of_16	Require developers to submit Construction Management Plans in accordance with the London best practice guidance to control dust and emissions	Reduce emissions in the AQMA by ensuring developers employ best practice for dust emission control	Other measure: Other measure	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Number of Construction Management Plans Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Redbridge, London Borough of_17	Continue to use planning conditions and obligations to require developers to adopt measures which will reduce emissions such as requesting travel and business plans, installing electric vehicle recharging infrastructure, and allocating car club bays.	Reduce emissions in the AQMA	Traffic planning and management: Other measure	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Number of sites with reduced parking, Number of sites with cycle parking facilities, Number of sites with Electric Vehicle charging points and car club spaces Target emissions reduction: N/A
Redbridge, London Borough of_18	Require development sites to meet the Mayor of London's energy hierarchy with high standards of sustainable building design and construction through the revised Redbridge Environmental Action Plan (REAct) 2010-2018 and consideration of Combined Heat Power (CHP) and Biomass. Developers must ensure that best practice requirements for controlling NOx and PM10 emissions from biomass boilers and CHP are met.	Reduce emissions in the AQMA	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2018 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Number of biomass boilers and Combined Heat and Power Plant installed with conditions/obligations to control emissions. Number of new build homes and commercial properties supplied with decentralised energy. Target emissions reduction: N/A
Redbridge, London Borough of_19	Work directly with schools in Redbridge in partnership with the GLA to raise emission reduction awareness. Also deliver emission reduction improvements to the pupils and teachers including: installation of green infrastructure screening, anti-vehicle idling measures and encourage sustainable transport modal shifts away from motor vehicle usage toward cleaner forms of transport such as cycling and walking.	Reduce emissions around schools within the AQMA	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Reduction of motor-vehicle usage to, from and around the school in favour a more sustainable transport mode (Monitored by surveys). Reduction in ambient pollutant levels around the school locality (Monitored by measurement). Target emissions reduction: N/A
Redbridge, London Borough of_20	Implementation of the Roding Valley Way cycle route, linking the Roding Valley Way between Redbridge Roundabout and Keily and Tongs playing field	Increased cycle provision in the AQMA leads to reduce private car usage and consequently reduced emissions in the AQMA.	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2012 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Reduction in resident trips made by car and motorcycle. Increase in cycling as a proportion of traffic flow. Increase in staff cycling and walking to work Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Rochford District Council_1	Staff travel plan	Effective routing/Mileage dissuaded where travel is out of county	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Reduced staff mileage Target emissions reduction: N/a
Rochford District Council_2	Homeworking/Mobile working policy	Reduces emissions resulting from journeys to/from work	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: None Target emissions reduction: N/a
Rochford District Council_3	Webpages at www.rochford.gov.uk/airquality and www.essexair.org	Air quality education and data provision	Public information and Education: Internet	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: None Target emissions reduction: N/a
Rochford District Council_4	Essential mileage payments linked to CO2 output of vehicle	Incentivised use of efficient vehicles for work journeys	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Mileage claim statistics Target emissions reduction: N/a
Rochford District Council_5	National charges for Environmental Permits	Reduced fees for better environmental performance	Permit systems and economic instruments: Introduction/increase of environment charges	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Local Source affected: Industry including heat and power production Indicator: Risk-ratings Target emissions reduction: N/a
Rochford District Council_6	Climate Change Commitment	Environmentally-friendly procurement and maintenance	Other measure: Other measure	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: None Target emissions reduction: N/a
Rochford District Council_7	Membership of Essex Air www.essexair.org	Air quality projects, knowledge-sharing and policy formation	Other measure: Other measure	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: None Target emissions reduction: N/a

Measure code	Description	Focus	Classification	Status	Other information
Rochford District Council_8	Adoption of Essex Transport Strategy (LTP3)	Reduce carbon dioxide emissions and improve air quality through lifestyle changes, innovation and technology	Traffic planning and management: Other measure	Implementation	Start date: 2011 Expected end date: 2026 Spatial scale: Whole agglomeration Source affected: Transport Indicator: Primary and secondary performance measures and targets for each outcome Target emissions reduction: N/a
Rochford District Council_9	Adoption of Local Development Framework Core Strategy	Support of improvements to the strategic road network. Prevent additional exposure in areas of known poor air quality. Manage the contribution towards transport infrastructure improvements to enhance the broader network to mitigate impacts on existing communities.	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2026 Spatial scale: Local Source affected: Transport Indicator: None Target emissions reduction: N/a
Rochford District Council_10	Introduction of staff salary sacrifice scheme for bicycles	Modal shift	Traffic planning and management: Encouragement of shift of transport modes	Planning	Start date: 2015 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: None Target emissions reduction: N/a
South Cambridgeshire District Council_1	Guided Bus Way	Reduce Emission	Traffic planning and management: Improvement of public transport	Evaluation	Start date: 2011 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: None
South Cambridgeshire District Council_2	A14 Improvement	Reduce Emission	Traffic planning and management: Improvement of public transport	Planning	Start date: 2015 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Approval of planning application Target emissions reduction: None
South Cambridgeshire District Council_3	A14/M11 Re-alignment	Reduce Emission	Traffic planning and management: Improvement of public transport	Planning	Start date: 2015 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Approval of planning application Target emissions reduction: None

Measure code	Description	Focus	Classification	Status	Other information
South Cambridgeshire District Council_4	Freight Partnership	Reduce Emission	Traffic planning and management: Freight transport measure	Evaluation	Start date: 2009 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Membership Target emissions reduction: None
South Cambridgeshire District Council_5	LDF AQ Policy	Reduce Emission	Other measure: Other measure	Evaluation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: LDF Policy NE/16 Target emissions reduction: None
South Cambridgeshire District Council_6	Car Sharing Scheme	Reduce Emission	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Staff Incentive payment Target emissions reduction: None
South Cambridgeshire District Council_7	Flexible Working	Reduce Emission	Other measure: Other measure	Evaluation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Flexible working Target emissions reduction: None
South Cambridgeshire District Council_8	Cycle Scheme	Reduce Emission	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Evaluation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Cycle Route Dev Target emissions reduction: None
South Cambridgeshire District Council_9	Improve Bus Route	Reduce Emission	Traffic planning and management: Improvement of public transport	Evaluation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Creation of additional Bus Route Target emissions reduction: None
South Cambridgeshire District Council_10	Improve Planning Guidance	Reduce Emission	Other measure: Other measure	Evaluation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: Creation of SPD Target emissions reduction: None

Measure code	Description	Focus	Classification	Status	Other information
South Cambridgeshire District Council_11	Improved transport strategy	Reduce Emission	Public procurement: Other measure	Evaluation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Improved EC Target emissions reduction: N/A
South Cambridgeshire District Council_12	Education on Improved Transport Tech	Reduce Emission	Traffic planning and management: Differentiation of parking fees	Evaluation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: EVCP Increase Target emissions reduction: N/A
South Cambridgeshire District Council_13	Improved PP Monitoring	Reduce Emission	Permit systems and economic instruments: IPPC permits	Evaluation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Industry including heat and power production Indicator: Reduce Complaint Target emissions reduction: None
South Cambridgeshire District Council_14	Incentive for improved process	Reduce Emission	Permit systems and economic instruments: Other measure	Evaluation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Industry including heat and power production Indicator: Reduce Risk Rating Target emissions reduction: None
Southend Borough Council_1	UTC, SCOOT loops	Reduce congestion	Traffic planning and management: Other measure	Implementation	Start date: 2008 Expected end date: 2018 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_2	Victoria Gateway made into a bus and rail interchange and a shared space area.	Re-prioritising road space	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2010 Expected end date: 2011 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_3	Ideas in Motion Travel map	To show walking and cycling routes including off road. Roads are graded to the Bikeability levels for suitable journey planning	Public information and Education: Leaflets	Evaluation	Start date: 2009 Expected end date: 2009 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a

Measure code	Description	Focus	Classification	Status	Other information
Southend Borough Council_4	Workplace Travel Plan	Reducing single occupancy levels in cars and action plans	Traffic planning and management: Encouragement of shift of transport modes	Planning	Start date: 2003 Expected end date: 2016 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_5	Encouraging/Facilitating home working	Reduce car usage and therefore congestion at peak times	Other measure: Other measure	Planning	Start date: 2003 Expected end date: 2016 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_6	LSTF - Ideas in Motion Sustainable Travel Branding	Promoting travel change behaviour	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2016 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_7	LSTF - Personalised Travel Planning	Contacting households in deprived areas of Southend	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2016 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_8	School Travel Plans	Action plans	Traffic planning and management: Encouragement of shift of transport modes	Planning	Start date: 2003 Expected end date: 2016 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_9	LSTF - Cycle Southend and Ideas in Motion	Encourage and promote cycling to all in the Borough	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2008 Expected end date: 2017 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_10	LSTF - Ideas in Motion	Encourage and promote walking to all in the Borough	Traffic planning and management: Encouragement of shift of transport modes	Planning	Start date: 2011 Expected end date: 2017 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a

Measure code	Description	Focus	Classification	Status	Other information
Southend Borough Council_11	LSTF - Promotion of the use of trains	Promotion of the use of trains through Ideas in Motion and to promote Active Travel through Public Health	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2011 Expected end date: 2016 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_12	LSTF - Ideas in Motion	Behavioural change campaign to encourage the use of sustainable transport	Public information and Education: Internet	Planning	Start date: 2011 Expected end date: 2017 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_13	Encourage development of Car Clubs and Bike hire scheme	Seeking car clubs and Motionhub through section 106 agreements	Other measure: Other measure	Planning	Start date: 2001 Expected end date: 2025 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_14	Travel Centre includes a number of bus services and is a short walk to the Town Centre and railway line	Provide sustainable travel options	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2004 Expected end date: 2006 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_15	Sustainable Motion	A social enterprise set up to offer recycled cycles for affordable prices. They also offer advice on all sustainable modes of transport as well as bike hire, bike service and repair.	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Evaluation	Start date: 2013 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_16	LSTF	Providing safe routes and cycle parking for cyclists	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2011 Expected end date: 2016 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_17	Better Bus Area (BBA)	Improve bus reliability	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2012 Expected end date: 2014 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a

Measure code	Description	Focus	Classification	Status	Other information
Southend Borough Council_18	TGSE/LSTF - Infrastructure upgrades, new RTP1, bus shelters and interchanges	Improve bus infrastructure	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2016 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_19	LTP3, Policy 12 - Maintain Air Quality	To ensure no AQMA areas are declared for transport	Other measure: Other measure	Evaluation	Start date: 2011 Expected end date: 2026 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_20	Electric vehicle charging posts	To encourage the uptake of electric vehicles	Other measure: Other measure	Planning	Start date: 2012 Expected end date: 2026 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_21	EV promotional events	To encourage uptake of electric vehicles	Public procurement: New vehicles, including low emission vehicles	Implementation	Start date: 2012 Expected end date: 2026 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_22	Cuckoo corner, strategic highway improvement	Junction Improvement to reduce congestion and improve journey time reliability	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2010 Expected end date: 2011 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_23	Tesco, strategic highway improvement	Junction Improvement to support future employment and Housing growth	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2015 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_24	City Beach, shared space	Re-prioritising road space	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2010 Expected end date: 2011 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a

Measure code	Description	Focus	Classification	Status	Other information
Southend Borough Council_25	The Bell, strategic highway improvement	Junction Improvement to support future employment and Housing growth	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2018 Expected end date: 2019 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_26	Kent Elms, strategic highway improvement	Junction Improvement to support future employment and Housing growth	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2016 Expected end date: 2017 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_27	A127 Progress road, strategic highway improvement	Junction Improvement to support employment growth, reduce congestion and improve journey time reliability	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2010 Expected end date: 2011 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_28	Appoint Air Quality Specialist	N/A	Public procurement: Other measure	Implementation	Start date: 2017 Expected end date: 2020 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_29	Following on from LSTF - South Essex Active Travel (SEAT) has commenced	Encourage and promote walking, cycling and public transport across South Essex (Southend, Thurrock, Rochford, Castlepoint, Basildon)	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: N/A Expected end date: N/A Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_30	Production of Local Air Quality Action Plan	N/A	Public procurement: Other measure	Implementation	Start date: 2017 Expected end date: 2020 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Southend Borough Council_31	Production of Low Emission Strategy	N/A	Public procurement: Other measure	Implementation	Start date: 2017 Expected end date: 2020 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/a Target emissions reduction: N/a

Measure code	Description	Focus	Classification	Status	Other information
Southend Borough Council_32	Formal declaration of AQMA at A127 location	N/A	Public information and Education: Other mechanisms	Implementation	Start date: 2017 Expected end date: N/A Spatial scale: Local Source affected: Transport Indicator: N/a Target emissions reduction: N/a
St Edmundsbury Borough Council_1	Electric Vehicle Charging Points through Planning	EV charging infrastructure procured by planning response	Public procurement: Other measure	Implementation	Start date: 2016 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Additional EV charging infrastructure installed Target emissions reduction: N/A
St Edmundsbury Borough Council_2	Electric Vehicle charge point installation in public car parks in Bury St Edmunds and Haverhill	EV charging infrastructure	Public procurement: Other measure	Implementation	Start date: 2017 Expected end date: N/A Spatial scale: Local Source affected: Transport Indicator: Additional EV use locally Target emissions reduction: N/A
St Edmundsbury Borough Council_3	Electric Vehicle Show	EV show in high footfall public shopping area to link Electric vehicles to improved air quality and bust myths around EV limitations	Public procurement: Other measure	Implementation	Start date: 2016 Expected end date: N/A Spatial scale: Local Source affected: Transport Indicator: Additional EV use locally Target emissions reduction: N/A
St Edmundsbury Borough Council_4	Greener Business Grant	Promote 1,000 West Suffolk Greener Business Grant to be used for businesses to move to ULEV	Public procurement: Other measure	Implementation	Start date: 2016 Expected end date: N/A Spatial scale: Local Source affected: Transport Indicator: Grant uptake Target emissions reduction: N/A
St Edmundsbury Borough Council_5	Eastern Relief Road	Provide relief road for Moreton Hall residential area and commercial area and new Business Park/School to open September 2017	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2017 Expected end date: N/A Spatial scale: Local Source affected: Transport Indicator: Reduced local congestion Target emissions reduction: N/A
St Edmundsbury Borough Council_6	New High School	Provide new school on the eastern side of Bury St Edmunds to reduce the volume travelling across town to reach existing high schools	Traffic planning and management: Other measure	Implementation	Start date: 2016 Expected end date: N/A Spatial scale: Local Source affected: Transport Indicator: Reduced local congestion Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
St Edmundsbury Borough Council_7	Council Fleet improvements	Improve Council fleet efficiency working with fleet managers	Other measure: Other measure	Evaluation	Start date: 2018 Expected end date: N/A Spatial scale: Local Source affected: Transport Indicator: Improved fleet composition Target emissions reduction: N/A
St Edmundsbury Borough Council_8	Eco-driving courses for council staff	Targetted eco-driving courses for staff who drive for business purposes	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: Reviewed as part of EMS Target emissions reduction: N/A
Suffolk Coastal District Council_Woodbridge 1	Install queue detectors (MOVA) on traffic signals to reduce queuing at the junction	Reduce queuing traffic at the lights	Traffic planning and management: Other measure	Evaluation	Start date: 2011 Expected end date: 2013 Spatial scale: Local Source affected: Transport Indicator: Reduction in peak queue lengths Target emissions reduction: 0.1
Suffolk Coastal District Council_Woodbridge 9	Demand Responsive Transport	Reduce traffic flows through AQMA junction	Other measure: Other measure	Evaluation	Start date: 2009 Expected end date: 2009 Spatial scale: Local Source affected: Transport Indicator: None Target emissions reduction: 0.02
Suffolk Coastal District Council_Woodbridge 11	Improve accessibility to bus timetable	Reduce traffic flows through AQMA junction	Other measure: Other measure	Implementation	Start date: 2009 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: None Target emissions reduction: 0.01
Suffolk Coastal District Council_Woodbridge 13	Procurement of bus contracts to include fleet upgrade	Reduce emission from HDVs through AQMA junction	Public procurement: New vehicles, including low emission vehicles	Implementation	Start date: 2009 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: Quality assessment process in place. Buses to be Euro III standard Target emissions reduction: 0.02
Suffolk Coastal District Council_Woodbridge 14	Car sharing scheme	Reduce car trips	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Increase in registered users of scheme Target emissions reduction: 0.02

Measure code	Description	Focus	Classification	Status	Other information
Suffolk Coastal District Council_Woodbridge 17	Integration with Planning System	Avoid worsening air quality and open S106 funding stream	Other measure: Other measure	Evaluation	Start date: 2013 Expected end date: 2013 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: Produce Supplementary Planning Document for Suffolk and consult Target emissions reduction: 0.01
Suffolk Coastal District Council_Woodbridge Other 1	Investigate supermarket delivery routes	Reduce traffic flows through AQMA	Traffic planning and management: Freight transport measure	Planning	Start date: 2016 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Reduction in peak queue lengths Target emissions reduction: Unknown
Suffolk Coastal District Council_Woodbridge Other 2	Cycle rack increases and Sandy Lane cycle scheme	Reduce traffic flows through AQMA	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2012 Expected end date: 2012 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: Unknown
Suffolk Coastal District Council_Felixstowe 1b	Implement an Environmental Management System (EMS) at the Port	Reduction of emissions from port activities.	Other measure: Other measure	Evaluation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Continued certification to ISO 14001 Target emissions reduction: Unknown
Suffolk Coastal District Council_Felixstowe 2b	Develop Port action plan re emissions from processes over a longer term (5 years)	Reduction in NOx emissions from Port processes	Other measure: Other measure	Evaluation	Start date: 2011 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Emissions monitoring of NO2 and SO2 at the Port (including CO2 emissions) Target emissions reduction: Unknown

Measure code	Description	Focus	Classification	Status	Other information
Suffolk Coastal District Council_Felixstowe 3a	Evaluate and implement efficient power technologies (e.g. hybrid-electric) for cargo handling equipment (rubber tyre gantry (RTG) cranes) and internal movement vehicles (IMVs) in the Port	Reduction of NOx emissions from Port equipment	Low emission fuels for stationary and mobile sources: Other measure	Implementation	Start date: 2011 Expected end date: 2020 Spatial scale: Local Source affected: Off-road machinery Indicator: Power use at the Port Target emissions reduction: Unknown
Suffolk Coastal District Council_Felixstowe 3b	Retro-fitting fuel saving controls to existing Rubber Tyred Gantry (RTG) cranes in the Port.	Reduction of NOx emissions from Port equipment	Low emission fuels for stationary and mobile sources: Other measure	Evaluation	Start date: 2011 Expected end date: 2014 Spatial scale: Local Source affected: Off-road machinery Indicator: Power use at the Port Target emissions reduction: Unknown
Suffolk Coastal District Council_Felixstowe 3d	Adopt NOx abatement technologies on Internal Movement Vehicles (IMVs) in the Port or replace.	Reduction of NOx emissions from Port equipment	Low emission fuels for stationary and mobile sources: Other measure	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Local Source affected: Off-road machinery Indicator: Emissions monitoring of NO2 and SO2 at the Port (including CO2 emissions) Target emissions reduction: Unknown
Suffolk Coastal District Council_Felixstowe 4	Use of a vehicle booking system (VBS) to manage access to the Port.	Spread HGV flows more evenly throughout 24 hour period to reduce congestion.	Traffic planning and management: Freight transport measure	Evaluation	Start date: 2010 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: Traffic flows (HGVs). Target emissions reduction: Unknown
Suffolk Coastal District Council_Felixstowe 5a	Review of air pollution mitigation options being considered in UK, European and non-European ports	Investigate other potential measures for reduction of emissions from Port activities.	Low emission fuels for stationary and mobile sources: Other measure	Other	Start date: 2012 Expected end date: 2012 Spatial scale: Local Source affected: Commercial and residential sources Indicator: No direct indicator. Report completed Target emissions reduction: Unknown

Measure code	Description	Focus	Classification	Status	Other information
Suffolk Coastal District Council_General 1	Suffolk Coastal DC Cycle to work scheme	Reduce car trips associated with SCDC	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2013 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Number of journeys by bike Target emissions reduction: Unknown
Suffolk Coastal District Council_General 2	Suffolk Coastal DC Lift Home Scheme	Reduce car trips associated with SCDC	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: No direct indicator. Target emissions reduction: Unknown
Suffolk Coastal District Council_General 3	200 Small and Medium Enterprises provided with energy and green procurement advice and support	Reduction of energy use - carbon savings	Other measure: Other measure	Evaluation	Start date: 2012 Expected end date: 2015 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Carbon savings Target emissions reduction: Unknown
Suffolk Coastal District Council_General 4	Thriving Community Buildings - 30 buildings helped with energy management, resource efficiency, renewable energy	Reduction of energy use - carbon savings	Other measure: Other measure	Preparation	Start date: 2015 Expected end date: 2017 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Carbon savings Target emissions reduction: Unknown
Suffolk Coastal District Council_General 5	Suffolk Coastal DC Travel Plan	Reduce car trips associated with SCDC	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2017 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: Reduction in number of journeys by car Target emissions reduction: Unknown
Three Rivers District Council_1	LTP3 Encouraging Alternative Modes of Transport - Cycle Routes	Personal transport	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: New cycles path per annum Target emissions reduction: Unquantifiable

Measure code	Description	Focus	Classification	Status	Other information
Three Rivers District Council_2	LTP3 Encouraging Alternative Modes of Transport - better buses	Public transport	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Whole Town or City Source affected: Transport Indicator: Subsidy Target emissions reduction: Unquantifiable
Three Rivers District Council_3	TravelSmart	Personalised travel planning	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Evaluation studies post implementation Target emissions reduction: Unquantifiable
Three Rivers District Council_4	Electric Vehicle Charging points	Personal transport	Public procurement: New vehicles, including low emission vehicles	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: OLEV take up, numbers of charging points Target emissions reduction: Unquantifiable
Three Rivers District Council_5	LTP3 Encouraging Alternative Modes of Transport - Greenways	Personal transport	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: New Greenways per annum Target emissions reduction: Unquantifiable
Three Rivers District Council_6	Energy Efficiency and Reducing Fuel Usage	Energy efficiency - Green Deal	Other measure: Other measure	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Whole Town or City Source affected: Commercial and residential sources Indicator: Multiple Target emissions reduction: Unquantifiable
Three Rivers District Council_7	Energy Efficiency and Reducing Fuel Usage	Fuel Poverty	Low emission fuels for stationary and mobile sources: Other measure	Evaluation	Start date: 2007 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Numbers of premises upgraded Target emissions reduction: Unquantifiable

Measure code	Description	Focus	Classification	Status	Other information
Three Rivers District Council_8	Energy Efficiency and Reducing Fuel Usage	Public awareness http://www.greenourherts.org.uk/	Other measure: Other measure	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Whole Town or City Source affected: Transport Indicator: Website use Target emissions reduction: Unquantifiable
Three Rivers District Council_9	Green Travel Plans	Direct employees and other employers	Other measure: Other measure	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Whole Town or City Source affected: Transport Indicator: Numbers of schemes implemented Target emissions reduction: Unquantifiable
Three Rivers District Council_10	AirTEXT	Education and awareness	Public information and Education: Internet	Planning	Start date: 2015 Expected end date: 2015 Spatial scale: Whole Town or City Source affected: Transport Indicator: Take up of users Target emissions reduction: Unquantifiable
Three Rivers District Council_11	Monitoring for PM2.5	Research	Other measure: Other measure	Planning	Start date: 2015 Expected end date: 2016 Spatial scale: Whole Town or City Source affected: Transport Indicator: Number of stations & data capture Target emissions reduction: Unquantifiable
Three Rivers District Council_13	Defined freight routes with TRDC area	Research	Traffic planning and management: Other measure	Planning	Start date: 2016 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Households and individuals benefiting Target emissions reduction: Unquantifiable
Three Rivers District Council_14	Bus emissions	Research	Public procurement: New vehicles, including low emission vehicles	Planning	Start date: 2016 Expected end date: 2017 Spatial scale: Whole Town or City Source affected: Transport Indicator: Numbers of students using school transport Target emissions reduction: Unquantifiable

Measure code	Description	Focus	Classification	Status	Other information
Three Rivers District Council_15	Promoting Low Emission Transport	Priority parking for LEVs and restructured parking fees	Traffic planning and management: Differentiation of parking fees	Planning	Start date: N/A Expected end date: N/A Spatial scale: Whole Town or City Source affected: Transport Indicator: Usage of charging points Target emissions reduction: Quantifiable
Three Rivers District Council_16	Promoting Low Emission Transport	Taxi Licensing conditions. Incentivising LEV, ULEV take up through preferential fees. Euro 5 and Euro 6 minimum standard for fleet	Permit systems and economic instruments: Introduction/increase of environment taxes	Planning	Start date: N/A Expected end date: N/A Spatial scale: Whole Town or City Source affected: Transport Indicator: Change in fleet, numbers of new applications Target emissions reduction: Quantifiable
Thurrock Council_1	Public Awareness Raising & Education	To Inform the Public of the state of Air Quality dissemination of air quality reports and download of AQ data from Thurrock Council website/ LAQN, EssexAir & Defra	Public information and Education: Internet	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Thurrock Council_2	Smarter Choices-Work Place Travel Planning : Action to road vehicle emissions	Encourage modal shift (13 organisations supported since beginning of Local Sustainable Transport Fund (LSTF))	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%
Thurrock Council_3	Action to road vehicle emissions	Encourage modal shift	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%
Thurrock Council_4	Action to road vehicle emissions	Encourage modal shift	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%
Thurrock Council_5	Action to road vehicle emissions	Encourage modal shift	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%

Measure code	Description	Focus	Classification	Status	Other information
Thurrock Council_6	Action to road vehicle emissions Public Transport (Metrorail)	Encourage modal shift	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%
Thurrock Council_7	Action to road vehicle emissions	Encourage modal shift	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%
Thurrock Council_8	Action to road vehicle emissions	Encourage modal shift	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%
Thurrock Council_9	Action to road vehicle emissions	Encourage modal shift	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%
Thurrock Council_10	Action to road vehicle emissions	Encourage modal shift	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%
Thurrock Council_11	Action to road vehicle emissions	Encourage modal shift	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%
Thurrock Council_12	LAPC Inspections, of local industry	Prevention of Pollution & Nuisance	Permit systems and economic instruments: Other measure	Implementation	Start date: 1990 Expected end date: 2030 Spatial scale: Local Source affected: Industry including heat and power production Indicator: N/A Target emissions reduction: <1%
Thurrock Council_13	Action to road vehicle emissions (116 drivers trained by SAFED up to March 2013)	Improve HGV driving efficiency to improve vehicle emissions	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%

Measure code	Description	Focus	Classification	Status	Other information
Thurrock Council_14	Action to road vehicle emissions (ECO Stars Freight Accreditation Scheme, 42 businesses currently have accreditation from the scheme)	Improve HGV driving efficiency to improve vehicle emissions (funding available until March 2015)	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%
Thurrock Council_15	Enforcement of local Taxi licencing	Ensure that Road vehicles are road worthy and EU compliant vehicles	Permit systems and economic instruments: Introduction/increase of environment taxes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%
Thurrock Council_16	Provision of Electric vehicle car charging points around the borough	Alternative fuelled vehicles	Public procurement: Other measure	Implementation	Start date: 2009 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%
Thurrock Council_17	Council Introduced Home working / flexible working hours	To reduce and save money on unnecessary vehicle journeys	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%
Thurrock Council_18	Introduction of Hybrid Buses into the fleet	Switch from Diesel to less polluting alternatives	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%
Thurrock Council_19	Cycle Parking for AQMA 5	Increase capacity for cycle network	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%
Thurrock Council_20	Local Sustainable Transport Fund (LSTF) Improvement of Transport infrastructure (Borough wide) Initiative	Improvement of Transport Infrastructure	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%
Thurrock Council_21	Freight Quality Partnership (FQP) Expansion of FQP (as of 2014 were 45 members in the FQP in Thurrock (AQMA 23))	Partnership with local freight and logistic industry to provide discussion platform around freight issues.	Traffic planning and management: Freight transport measure	Implementation	Start date: 2010 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%

Measure code	Description	Focus	Classification	Status	Other information
Thurrock Council_22	Pollution absorbent paint barrier (AQMA 13)	Experimental mitigation measure to attempt to reduce NO2 pollution within AQMA 13	Traffic planning and management: Other measure	Implementation	Start date: 2013 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Monitor NO2 diffusion tube results, see if there is an improvement Target emissions reduction: 1-2%
Thurrock Council_23	Public Transport - Eco driver training	Improve driver efficiency in the bus fleet (limited application only 16 drivers trained, Ensign bus fleet operators)	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%
Thurrock Council_24	Improve traffic signalling at traffic light junction within (AQMA 13)	Improve flow of stationary traffic for smoother driving, hence attempt to lower emissions	Traffic planning and management: Other measure	Implementation	Start date: 2013 Expected end date: 2013 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%
Thurrock Council_25	SCOOT/ UTMC (AQMA 1 & AQMA 5)	N/A	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%
Thurrock Council_26	HGV weight restriction (AQMA 1, 2)	Divert HGVs away from AQMAs along Devonshire road, to alleviate London Road from HGVs & Congestion	Traffic planning and management: Other measure	Implementation	Start date: 2013 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%
Thurrock Council_27	Improve Bus / Rail interchange (AQMA 5)	Improve accessibility of public transport :Completed scheme, but will make future improvements as part of the Mastplan for Thurrock	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <1%
Thurrock Council_28	Road layout review - future bus priority measures (AQMA 23)	N/A	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Thurrock Council_29	Air Quality Officer Working Group	To coordinate action between council departments (Health, Transport & Environment) and determine focus areas/initiatives	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Thurrock Council_30	Air Quality Study	To investigate improvement options in AQMA 3, 4 and 5.	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: N/a Target emissions reduction: N/a
Uttlesford District Council_1	Traffic Management Plan	N/A	Traffic planning and management: Other measure	Planning	Start date: 2018 Expected end date: 2026 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Uttlesford District Council_2	Business Travel Plans	N/A	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2012 Expected end date: 2020 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Uttlesford District Council_3	Car parking signage	N/A	Public information and Education: Other mechanisms	Evaluation	Start date: 2013 Expected end date: 2013 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Uttlesford District Council_4	Non car travel	N/A	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Planning	Start date: 2013 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Uttlesford District Council_5	HGV movements	N/A	Traffic planning and management: Other measure	Evaluation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Waltham Forest, London Borough of_1	To update air quality information on the Councils website and update as necessary.	Increasing air quality awareness	Public information and Education: Internet	Other	Start date: 2002 Expected end date: 2030 Spatial scale: National Source affected: Other, please specify Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_2	To continue to monitor for NOx, PM10 and SO2 throughout the borough and participate in the London Air Quality Network (LAQN).	Increasing air quality awareness	Public information and Education: Other mechanisms	Other	Start date: 2007 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_3	To purchase a pool of bicycles for staff to use when carrying out duties.	Reducing Council Emissions	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_4	To develop a car share website for Council staff to use.	Reducing Council Emissions	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_5	To implement various forms of Traffic Management measures to borough roads to improve road safety and reduce congestion: .speed reduction . traffic re-routing and road hierarchy . re-allocating road space . CPZs . Home Zones . Traffic signal improvement . Pedestrian facilities . Junction control	Reducing Emissions from Transport	Traffic planning and management: Other measure	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.

Measure code	Description	Focus	Classification	Status	Other information
Waltham Forest, London Borough of_6	To 'fill in the gaps' to provide a coherent cycle network across the borough.	Reducing Emissions from Transport	Other measure: Other measure	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_7	Promotion of more sustainable forms of transport and associated health benefits by 'Car Free Day'	Reducing Emissions from Transport / Increasing air quality awareness	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2002 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_8	Publicity / participation at local environmental events / leaflets	Increasing air quality awareness	Public information and Education: Other mechanisms	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_9	The Council is striving to install solar panels on Council buildings.	Reducing Council Emissions	Other measure: Other measure	Implementation	Start date: 2002 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_11	Air Quality is a material consideration for developments at the planning stage, requiring air quality assessments.	Reducing Emissions from Businesses and Residents	Other measure: Other measure	Implementation	Start date: 2002 Expected end date: 2014 Spatial scale: Local Source affected: Other, please specify Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.

Measure code	Description	Focus	Classification	Status	Other information
Waltham Forest, London Borough of_12	Requirement of sustainable transport initiatives and air quality dispersion modelling as part of planning agreements.	Reducing Emissions from Transport & Reducing Emissions from Businesses and Residents	Other measure: Other measure	Implementation	Start date: 2002 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_13	To encourage car free / reduced car owning residential developments.	Reducing Emissions from Transport	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_14	Changing Off -Street Parking requirement from minimum to maximum standards.	Reducing Emissions from Businesses and Residents	Traffic planning and management: Differentiation of parking fees	Implementation	Start date: 2001 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_15	The Council is promoting flexible working for staff, including home working / teleworking where appropriate.	Reducing Council Emissions	Other measure: Other measure	Implementation	Start date: 2002 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_16	To ensure that the Council vehicle fleet is maintained and new vehicles will be Euro III or better.	Reducing Council Emissions	Other measure: Other measure	Implementation	Start date: 2002 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_18	To continue the management of, and increase in, the tree population in the borough.	Increasing green infrastructure	Other measure: Other measure	Implementation	Start date: 2002 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.

Measure code	Description	Focus	Classification	Status	Other information
Waltham Forest, London Borough of_19	To have regard to the Mayors Air Quality and Transport Strategies.	Reducing Emissions from Businesses and Residents & Reducing Emissions from Transport & Reducing Council Emissions	Other measure: Other measure	Implementation	Start date: 2002 Expected end date: 2002 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_20	To have regard to the Governments National Air Quality Strategy	Reducing Emissions from Businesses and Residents & Reducing Emissions from Transport & Reducing Council Emissions	Other measure: Other measure	Implementation	Start date: 2002 Expected end date: 2002 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_21	To continue air quality engagement work with schools, businesses and residents	Increasing air quality awareness	Public information and Education: Other mechanisms	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_22	Freight Consolidation with neighbouring boroughs	Reducing Council Emissions	Traffic planning and management: Freight transport measure	Implementation	Start date: 2014 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_23	The Council is actively promoting a modal shift away from private vehicle usage to more sustainable forms of transportation. This can be seen with our Mini Holland and Selborne Rd projects by improving cycling and pedestrian paths and installation of green infrastructure.	Reducing Council Emissions	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_24	To continue to require provisions for car clubs	Reducing Emissions from Businesses and Residents & Reducing Emissions from Transport	Public procurement: Other measure	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.

Measure code	Description	Focus	Classification	Status	Other information
Waltham Forest, London Borough of_25	To continue to lobby TFL and GLA to reduce pollution contribution from TFL vehicles	Reducing Emissions from Transport	Public procurement: Other measure	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_26	To require that all new planning applications require that boiler emissions comply with the limits set out in the London Plan's Sustainable Design and Construction SPG	Reducing Emissions from Businesses and Residents	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_27	To continue to promote airText and walkit.com	Increasing air quality awareness	Public information and Education: Other mechanisms	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_28	To update the Council's Sustainable Procurement Policy to include air quality and prioritise low emission technology/services in procurement evaluations	Reducing Council Emissions	Other measure: Other measure	Implementation	Start date: 2015 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_29	To incorporate air quality consideration in the Climate Local initiative	Reducing Council Emissions	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.

Measure code	Description	Focus	Classification	Status	Other information
Waltham Forest, London Borough of_30	To continue to participate in air quality 'think groups' aimed at improving air quality	Increasing air quality awareness & Reducing Emissions from Businesses and Residents & Reducing Emissions from Transport & Reducing Council Emissions	Other measure: Other measure	Implementation	Start date: 2002 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_31	To continue to sign post to energy efficient information/offers, etc.	Increasing air quality awareness	Public information and Education: Other mechanisms	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_32	To retrofit energy efficiency measures in the major gas and electricity consuming corporate sites.	Reducing Council Emissions	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_33	The Council has adopted planning policies to improve the energy efficiency of developments beyond that required by building regulations. This will have an attendant reduction in emissions. The relevant policy is DM 11 and seeks a reduction of 40% reduction over 2010 building regulation requirements and a minimum of Code for Sustainable Homes level 4 and BREEAM "Very Good".	Reducing Emissions from Businesses and Residents & Reducing Emissions from Transport	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_34	To continue to identify facilities which require a permit under the Environmental Permitting Regulations, to continue to inspect and enforce on those who already hold a permit.	Reducing Emissions from Businesses and Residents	Permit systems and economic instruments: Other measure	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Local Source affected: Industry including heat and power production Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.

Measure code	Description	Focus	Classification	Status	Other information
Waltham Forest, London Borough of_35	To continue to reduce speed limits to 20mph	Reducing Emissions from Transport	Traffic planning and management: Reduction of speed limits and control	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_36	To decrease the usage of private vehicles in the borough through various measures	Reducing Emissions from Transport	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_37	To reduce the amount of Council employees who drive to work	Reducing Council Emissions	Traffic planning and management: Management of parking places	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_38	To continue to assist schools with their school travel plans	Reducing Emissions from Businesses and Residents	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_39	Mini Holland Project	Increasing air quality awareness & Reducing Emissions from Businesses and Residents & Reducing Emissions from Transport	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2014 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.
Waltham Forest, London Borough of_40	To continue to promote car sharing schemes	Reducing Emissions from Transport & Reducing Council Emissions	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: To contribute towards complying with the NO2 limit values.

Measure code	Description	Focus	Classification	Status	Other information
Watford Borough Council_1	Intelligent Transport Systems	To manage traffic more efficiently through the County	Traffic planning and management: Other measure	Evaluation	Start date: 2011 Expected end date: 2013 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction in congestion from 2.87 mins / mile to 2.80 mins / mile Target emissions reduction: Likely to be high in the AQMA congested junctions
Watford Borough Council_2a	Road Infrastructure Improvements	Ease congestion in St. Albans Road AQMA	Traffic planning and management: Reduction of speed limits and control	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: 20 mph zone west of St. Albans Road planned Target emissions reduction: Medium
Watford Borough Council_2b	Road Infrastructure Improvements	Ease congestion in St. Albans Road AQMA	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: New cycle route along St. Albans Road Target emissions reduction: Low
Watford Borough Council_2c	Road Infrastructure Improvements	Ease congestion in St. Albans Road AQMA	Traffic planning and management: Other measure	Evaluation	Start date: 2011 Expected end date: 2012 Spatial scale: Local Source affected: Transport Indicator: Traffic Signals adjusted Target emissions reduction: Low
Watford Borough Council_3	Enforcement of Parking Policy	Minimise due to reduced traffic flow caused by obstructions	Traffic planning and management: Management of parking places	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of warnings, fines and prosecutions for such offences Target emissions reduction: Low
Watford Borough Council_4	Installation of EV Charging Points	Encourage the use of electric vehicles	Public procurement: New vehicles, including low emission vehicles	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of EV charging points installed Target emissions reduction: Low

Measure code	Description	Focus	Classification	Status	Other information
Watford Borough Council_5	Implement the bus strategy	Encourage the increase of bus patronage	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Bus patronage increased Target emissions reduction: Medium
Watford Borough Council_6	Implement the intralink project	Increase the integration of public and sustainable transport movements	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Bus and rail patronage, number of cyclists and pedestrians Target emissions reduction: Medium
Watford Borough Council_7a	Watford Junction Interchange improvement	Increase the accessibility of the rail station	Traffic planning and management: Improvement of public transport	Evaluation	Start date: 2011 Expected end date: 2013 Spatial scale: Local Source affected: Transport Indicator: Forecourt and other station improvement work carried out Target emissions reduction: Low
Watford Borough Council_7b	Watford Junction Interchange improvement	Increase the accessibility of the rail station	Traffic planning and management: Improvement of public transport	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Link Rd from Colonial Way to St. Albans Road constructed Target emissions reduction: Medium
Watford Borough Council_7c	Watford Junction Interchange improvement	Increase the accessibility of the rail station	Traffic planning and management: Improvement of public transport	Other	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Improvements to Abbey Flyer Train line Target emissions reduction: Medium
Watford Borough Council_8	Promotion of car sharing scheme	Increase car sharing to reduce congestion	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Registered members on lift share and number of private schemes Target emissions reduction: Low

Measure code	Description	Focus	Classification	Status	Other information
Watford Borough Council_9	Promotion of Travel Plans	Increase in sustainable transport	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of travel plans in schools and businesses Target emissions reduction: Low
Watford Borough Council_10a	Promotion of Travel Smart	Personalised travel planning to reduce car use	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Greater awareness of scheme Target emissions reduction: Low
Watford Borough Council_10b	Promotion of Travel Smart	Construction of Croxley Rail Link	Traffic planning and management: Other measure	Implementation	Start date: 2015 Expected end date: 2019 Spatial scale: Local Source affected: Transport Indicator: Croxley Rail link constructed Target emissions reduction: Medium
Watford Borough Council_11a	Promotion of cycling and walking	Increase sustainable transport	Traffic planning and management: Encouragement of shift of transport modes	Planning	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: New cycle route along St. Albans Road Target emissions reduction: Low
Watford Borough Council_11b	Promotion of cycling and walking	Increase sustainable transport	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2011 Expected end date: 2013 Spatial scale: Local Source affected: Transport Indicator: Ebury Road cycle route planned Target emissions reduction: Low
Watford Borough Council_11c	Promotion of cycling and walking	Increase sustainable transport	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2011 Expected end date: 2013 Spatial scale: Local Source affected: Transport Indicator: Grand Union canal cycle route planned Target emissions reduction: Low

Measure code	Description	Focus	Classification	Status	Other information
Watford Borough Council_11d	Promotion of cycling and walking	Increase sustainable transport	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2011 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: New road signs with pedestrian information implemented Target emissions reduction: Low
Watford Borough Council_11e	Promotion of cycling and walking	Increase sustainable transport	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2011 Expected end date: 2012 Spatial scale: Whole town or city Source affected: Transport Indicator: SW Herts cycling strategy devised Target emissions reduction: Low
Watford Borough Council_12	Develop Supplementary Planning Document for Air Quality	Develop Supplementary Planning Guidance on air quality for inclusion in the 2011 Development Plan document	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2013 Spatial scale: Whole town or city Source affected: Transport Indicator: Publication of Guidance Target emissions reduction: Low
Watford Borough Council_13	Annual Council vehicle fleet review	Maintain clean Council vehicle fleet	Other measure: Other measure	Planning	Start date: 2015 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: Cleaner vehicles purchased Target emissions reduction: Low
Watford Borough Council_14	Promote Air Quality within the Borough	Increase Awareness of AQ as a health issue	Public information and Education: Internet	Other	Start date: 2012 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: _ Target emissions reduction: N/a
Watford Borough Council_15	Continue to monitor Air Quality	Maintenance of air quality monitors and data management	Public information and Education: Internet	Other	Start date: 2011 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Air Quality monitors remain active Target emissions reduction: N/a
Watford Borough Council_16	Undertake feasibility studies	To investigate the air quality impact of any potential schemes	Other measure: Other measure	N/A	Start date: 2011 Expected end date: 2013 Spatial scale: Whole town or city Source affected: Transport Indicator: Site allocation classification system in place Target emissions reduction: Low

Measure code	Description	Focus	Classification	Status	Other information
Watford Borough Council_17	Establish of council car club - NB additional measure to Air Quality Action Plan	To encourage shared use of cars	Other measure: Other measure	Evaluation	Start date: 2013 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Increase numbers on car club members Target emissions reduction: Low
Watford Borough Council_18	Easing of congestion close to Vicarage Road and Bushey Arches Air Quality Management Areas - NB additional measure to Air Quality Action Plan	Construction of link road from Dalton Way to Watford Health Campus	Traffic planning and management: Other measure	Implementation	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Link Road constructed Target emissions reduction: Low
Watford Borough Council_19	Establish of bike purchase scheme for council employees - NB additional measure to Air Quality Action Plan	Encourage cycling to work	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Cycle scheme introduced Target emissions reduction: Low
Watford Borough Council_20	Improved access to and refurbishment of National Cycle Network 6 Abbey Way - NB additional measure to Air Quality Action Plan	Greater use of NCN 6 and Abbey Flyer train line	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Refurbishments completed Target emissions reduction: Low
Watford Borough Council_21	Purchase of Low Emission council pool car - NB additional measure to Air Quality Action Plan	To encourage more council-related journeys to be taken in low emission vehicles	Public procurement: New vehicles, including low emission vehicles	Planning	Start date: 2014 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Pool car purchased Target emissions reduction: Low
Watford Borough Council_22	Development of a Hertfordshire-wide Air Quality Strategy - NB additional measure to Air Quality Action Plan	Production of a robust policy document that can be used by planners and developers to minimise the effect if development on air quality	Other measure: Other measure	Planning	Start date: 2014 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: Strategy written Target emissions reduction: Unknown
Waveney District Council_1	Redesign and update the air quality page(s) on the Council Website	Public information	Public information and Education: Internet	Planning	Start date: 2017 Expected end date: 2017 Spatial scale: Local Source affected: Other, please specify Indicator: 2017 Target emissions reduction: Updated Web page

Measure code	Description	Focus	Classification	Status	Other information
Waveney District Council_2	Greener travel information available on the Suffolk County Council website	Public Information	Public information and Education: Internet	Evaluation	Start date: N/A Expected end date: N/A Spatial scale: Local Source affected: Other, please specify Indicator: Implemented Target emissions reduction: Number of hits
Waveney District Council_3	Reducing pollutant emissions of the Councils during service delivery via the Joint Environmental Policy	Control	Other measure: Other measure	Preparation	Start date: 2016 Expected end date: 2017 Spatial scale: Local Source affected: Other, please specify Indicator: 2017 Target emissions reduction: The publication of a new document
Waveney District Council_5	Waveney District Council Home working policy	Promoting Travel Alternatives	Other measure: Other measure	Implementation	Start date: N/A Expected end date: N/A Spatial scale: Local Source affected: Other, please specify Indicator: Completed Target emissions reduction: Home-working policy adopted
Waveney District Council_7	Promotion of travel alternatives for Waveney District Council staff	Promoting Travel Alternatives	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2015 Expected end date: 2017 Spatial scale: Local Source affected: Other, please specify Indicator: N/A Target emissions reduction: Council promotes cycling as a positive alternative form of travel for its staff The take up of the Council staff health and well being programme
Waveney District Council_8	Riverside Council Offices Travel Plan	Promoting Travel Alternatives	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2015 Expected end date: 2017 Spatial scale: Local Source affected: Other, please specify Indicator: N/A Target emissions reduction: Reduction in vehicle trips

Measure code	Description	Focus	Classification	Status	Other information
Waveney District Council_9	Provision of Electric cars at the Riverside	Promoting Low Emission Transport	Public procurement: Other measure	Implementation	Start date: N/A Expected end date: N/A Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: Electric car takeup
Waveney District Council_10	Separate cycle and pedestrian crossing across the Lake Lothing	Transport Planning and infrastructure	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Planning	Start date: 2017 Expected end date: N/A Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: Increase the popularity of walking and cycling as a means of getting to work
Waveney District Council_11	Suffolk Car share	Alternatives to private vehicle use	Other measure: Other measure	Evaluation	Start date: N/A Expected end date: N/A Spatial scale: Local Source affected: Transport Indicator: Implemented Target emissions reduction: Public take up
Waveney District Council_12	Travel Planning Advice & support	Promoting Travel Alternatives	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: N/A Expected end date: N/A Spatial scale: Local Source affected: Transport Indicator: Implemented Target emissions reduction: Take up by the public, business and schools
Waveney District Council_13	Lowestoft Local Links workplace engagement project (www.greensuffolk.org/travel/lowestoft/)	Promoting Travel Alternatives	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2015 Expected end date: 2009 Spatial scale: Whole town or city Source affected: Transport Indicator: Implemented Target emissions reduction: 10% reduction in car trips.
Waveney District Council_14	Individualised Travel Marketing Project	Promoting Travel Alternatives	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2008 Expected end date: 2009 Spatial scale: Whole town or city Source affected: Transport Indicator: 39722 Target emissions reduction: Significant increases in the use of sustainable and active travel modes

Measure code	Description	Focus	Classification	Status	Other information
Waveney District Council_15	Suffolk Walking Strategy	Promoting Travel Alternatives	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2015 Expected end date: 2020 Spatial scale: Whole town or city Source affected: Transport Indicator: 2015 Target emissions reduction: Reverse the trend of walking less 10% fall in walking between 2003 and 2012
Waveney District Council_16	Suffolk Cycling Strategy	Promoting Travel Alternatives	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2015 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: 2015 Target emissions reduction: Suffolk Transport Delivery Plan
Waveney District Council_17	Lowestoft Local Links workplace engagement project and the provision of a public cycle for hire Scheme	Transport Planning and Infrastructure	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Evaluation	Start date: N/A Expected end date: N/A Spatial scale: Whole town or city Source affected: Transport Indicator: Implemented Target emissions reduction: Public take up
Waveney District Council_18	Improved bus and rail interchange at Lowestoft Station	Transport Planning and Infrastructure	Traffic planning and management: Improvement of public transport	Evaluation	Start date: 2015 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: Implemented Target emissions reduction: N/A
Waveney District Council_19	Improvement works at Oulton Broad North Station	Transport Planning and infrastructure	Traffic planning and management: Improvement of public transport	Other	Start date: 2016 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: 42552 Target emissions reduction: 'Reduce the down time' of the level crossing barriers and improve the journey times for people using Bridge Road.
Waveney District Council_20	UTMC traffic signal technology installed to control traffic at the Bridge.	Traffic Management	Traffic planning and management: Other measure	Implementation	Start date: 2016 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: April to May 2017 Target emissions reduction: Reduction in traffic congestion

Measure code	Description	Focus	Classification	Status	Other information
Waveney District Council_21	Proposed third vehicular crossing of Lake Lothing	Traffic Management	Traffic planning and management: Other measure	Planning	Start date: 2010 Expected end date: 2023 Spatial scale: Local Source affected: Transport Indicator: 2020 Target emissions reduction: New crossing which could result in a large reduction of congestion in Oulton Broad and the Lowestoft Town Centre