



Department  
for Environment  
Food & Rural Affairs



Department  
for Transport

# Air Quality Plan for tackling roadside nitrogen dioxide concentrations in North West and Merseyside (UK0033)

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# 1 Introduction

## 1.1 This document

This document is the North West and Merseyside non-agglomeration zone (UK0033) updated air quality plan for tackling roadside nitrogen dioxide (NO<sub>2</sub>) 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 North West and Merseyside non-agglomeration zone
- Details of NO<sub>2</sub> exceedance situation within the North West and Merseyside 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 North West and Merseyside 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 NO<sub>2</sub> 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 NO<sub>2</sub> 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  $\mu\text{g m}^{-3}$
- The hourly limit value: no more than 18 exceedances of 200  $\mu\text{g m}^{-3}$  in a calendar year

The Air Quality Directive stipulates that compliance with the NO<sub>2</sub> limit values will be achieved by 01/01/2010.

## 1.3 Zone status

The assessment undertaken for the North West and Merseyside non-agglomeration zone indicates that the annual limit value was exceeded in 2015 but is likely to be achieved by 2023 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 2022.

## 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 NO<sub>2</sub> 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: North West and Merseyside

Zone code: UK0033

Type of zone: non-agglomeration zone

Reference year: 2015

Extent of zone: Figure 1 shows the area covered by the North West and Merseyside non-agglomeration zone.

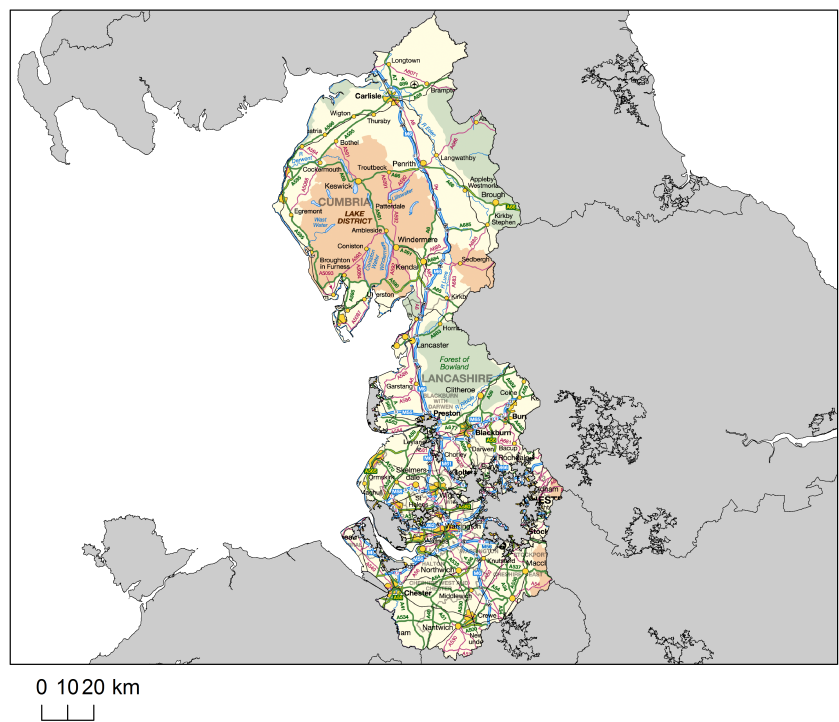
Local Authorities within the zone: Figure 2 shows the location of Local Authorities within the non-agglomeration zone. A list of these Local Authorities is also given below. The numbers in the list correspond to the numbers in Figure 2.

1. Allerdale Borough Council
2. Barrow-in-Furness Borough Council
3. Blackburn with Darwen Borough Council
4. Blackpool Borough Council
5. Bolton Metropolitan Borough Council
6. Burnley Borough Council
7. Bury Metropolitan Borough Council
8. Carlisle City Council
9. Cheshire East
10. Cheshire West and Chester Council
11. Chorley Borough Council

12. Copeland Borough Council
13. Eden District Council
14. Fylde Borough Council
15. Halton Borough Council
16. Hyndburn Borough Council
17. Knowsley Metropolitan Borough Council
18. Lancaster City Council
19. Liverpool City Council
20. Manchester City Council
21. Oldham Metropolitan Borough Council
22. Pendle Borough Council
23. Preston Borough Council
24. Ribble Valley Borough Council
25. Rochdale Metropolitan Borough Council
26. Rossendale Borough Council
27. Salford Metropolitan Borough Council
28. Sefton Metropolitan Borough Council
29. South Lakeland District Council
30. South Ribble Borough Council
31. St Helens Metropolitan Borough Council
32. Stockport Metropolitan Borough Council
33. Tameside Metropolitan Borough Council
34. Trafford Metropolitan Borough Council
35. Warrington Borough Council
36. West Lancashire District Council
37. Wigan Metropolitan Borough Council
38. Wirral Metropolitan Borough Council
39. Wyre Borough Council

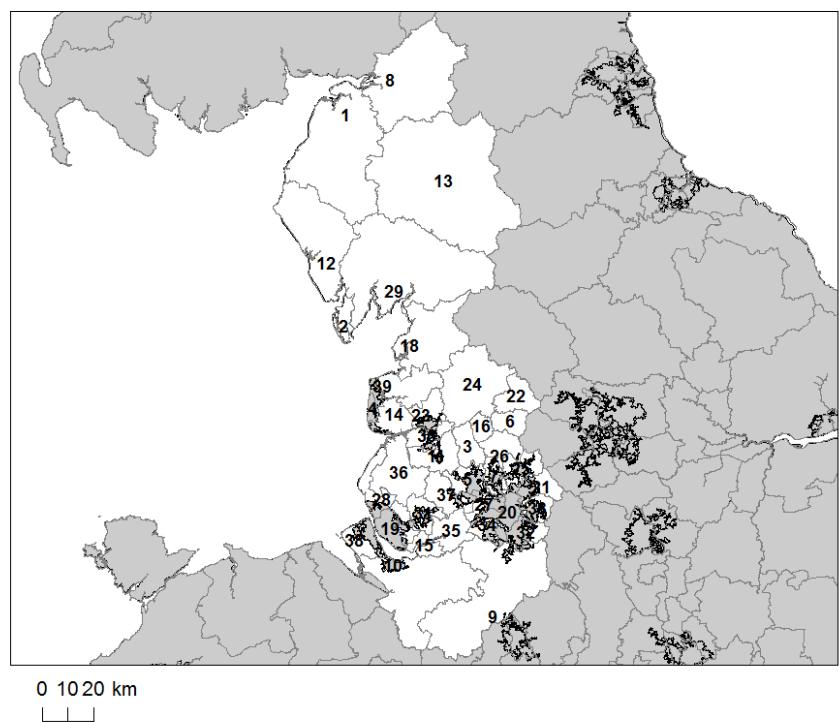
(Note: Local Authority boundaries do not necessarily coincide with zone boundaries. Hence Local Authorities may be listed within more than one zone plan.)

**Figure 1: Map showing the extent of the North West and Merseyside non-agglomeration zone (UK0033).**



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**Figure 2: Map showing Local Authorities within the North West and Merseyside non-agglomeration zone (UK0033).**



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## 2.2 Assessment details

### Measurements

NO<sub>2</sub> measurements in this zone were available in 2015 from the following national network monitoring stations (NO<sub>2</sub> data capture<sup>1</sup> for each station in 2015 shown in brackets):

1. Carlisle Roadside GB0925A (80%)
2. Glazebury GB0034R (92%)
3. Warrington GB0958A (97%)
4. Wigan Centre GB0864A (96%)
5. Blackburn Accrington Road GB1032A (87%)
6. Widnes Milton Road GB1045A (47%)

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

### 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): 13,507 km<sup>2</sup>
- Total population within zone (approx): 3,501,924 people

### Zone maps

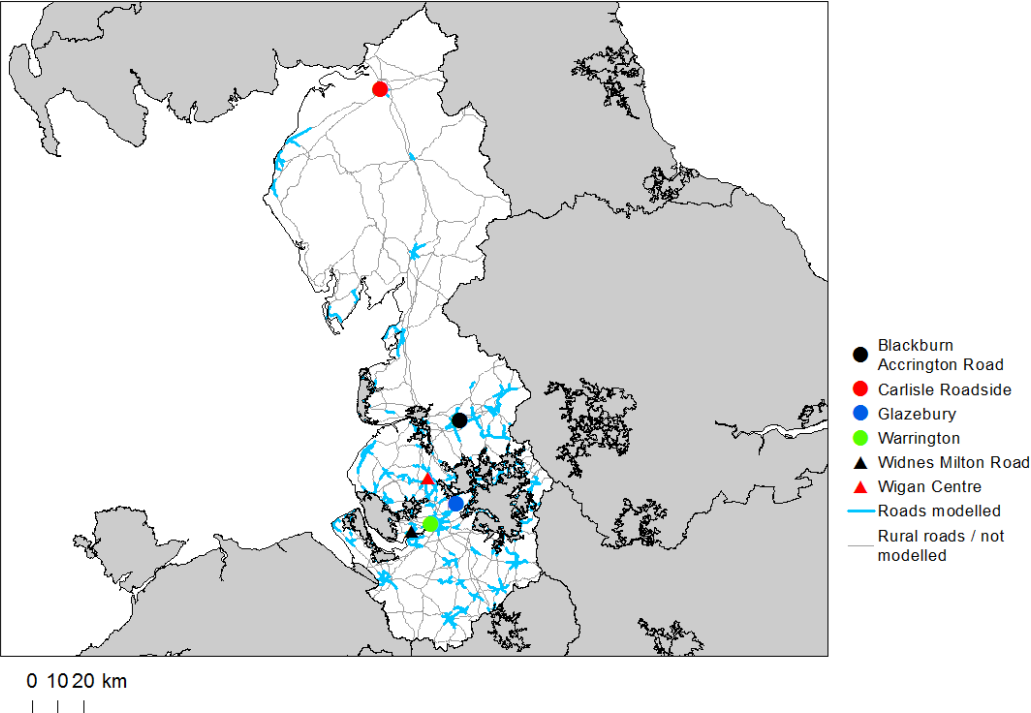
Figure 3 presents the location of the NO<sub>2</sub> monitoring stations within this zone for 2015 and the roads for which NO<sub>2</sub> concentrations have been modelled. NO<sub>2</sub> concentrations at background locations have been modelled across the entire zone at a 1 km x 1 km resolution.

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<sup>1</sup>Annual 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 NO<sub>2</sub> monitoring stations with valid data in 2015 and roads where concentrations have been modelled within the North West and Merseyside (UK0033) 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 NO<sub>2</sub>. These are:

- The annual limit value (annual mean concentration of no more than 40 µgm<sup>-3</sup>)
- The hourly limit value (no more than 18 hourly exceedances of 200 µgm<sup>-3</sup> in a calendar year)

Within the North West and Merseyside non-agglomeration zone the annual limit value was exceeded in 2015. Hence, one exceedance situation for this zone has been defined, NO<sub>2</sub>\_UK0033\_Annual\_1, which covers exceedances of the annual limit value. This exceedance situation is described below.

## 3.2 Reference year: NO<sub>2</sub>\_UK0033\_Annual\_1

The NO<sub>2</sub>\_UK0033\_Annual\_1 exceedance situation covers all exceedances of the annual mean limit value in the North West and Merseyside 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 modelled annual mean NO<sub>2</sub> concentrations in this exceedance situation for the same time period. This table shows that, in 2015, 44.0 km of road length was modelled to exceed the annual limit value. There were no modelled background exceedances of the annual limit value. The maximum measured concentration in the zone varies due to changes in emissions and varying meteorology in different years. However, the models are also 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<sub>2</sub> concentrations for 2015 at background and at roadside locations are presented in Figures 4 and 5 respectively. All modelled 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<sub>x</sub> source apportionment for all modelled locations. Emissions to air are regulated in terms of oxides of nitrogen

(NO<sub>x</sub>), which is the term used to describe the sum of nitrogen dioxide (NO<sub>2</sub>) and nitric oxide (NO). Ambient NO<sub>2</sub> concentrations include contributions from both directly emitted primary NO<sub>2</sub> and secondary NO<sub>2</sub> formed in the atmosphere by the oxidation of NO. As such, it is not possible to calculate an unambiguous source apportionment specifically for NO<sub>2</sub> concentrations; therefore the source apportionment in this plan is presented for NO<sub>x</sub>, rather than for NO<sub>2</sub> (for further details please see the UK Technical Report). Table 3 summarises the modelled NO<sub>x</sub> source apportionment for the section of road with the highest NO<sub>2</sub> 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<sub>x</sub> source apportionment for each section of road within the NO<sub>2</sub>\_UK0033\_Annual\_1 exceedance situation (i.e. the source apportionment for all exceeding roads only) in 2015.

**Table 1: Measured annual mean NO<sub>2</sub> concentrations at national network stations in NO2\_UK0033\_Annual\_1 for 2001 onwards,  $\mu\text{gm}^{-3}$  (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
Blackburn Darwen Roadside (GB0961A)									25 (52)	30 (84)	25 (94)	26 (98)	24 (94)	22 (21)	
Carlisle Roadside (GB0925A)								32 (85)	31 (90)	33 (96)	28 (98)	30 (82)	27 (99)	27 (79)	25 (80)
Glazebury (GB0034R)				18 (87)	18 (92)	17 (97)	18 (97)	17 (49)	16 (94)	19 (99)	18 (97)	19 (76)	15 (99)	14 (90)	15 (92)
Warrington (GB0958A)								33 (17)	23 (96)	28 (99)	24 (97)	24 (97)	21 (96)	20 (99)	22 (97)
Wigan Centre (GB0864A)				34 (22)	25 (98)	26 (97)	22 (96)	24 (99)	24 (99)	26 (99)	23 (98)	24 (99)	25 (98)	22 (98)	19 (96)
Blackburn Accrington Road (GB1032A)														25 (64)	28 (87)
Widnes Milton Road (GB1045A)															35 (47)

(a) Annual Mean Limit Value = 40  $\mu\text{gm}^{-3}$

**Table 2: Annual mean NO<sub>2</sub> model results in NO<sub>2</sub>\_UK0033\_Annual\_1 for 2001 onwards.**

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Road length exceeding (km)	333.9	193.2	430.5	256.0	252.0	243.9	279.1	209.7	75.4	129.9	72.6	88.6	60.7	52.2	44.0
Background exceeding (km <sup>2</sup> )	121	5	29	0	0	0	0	0	0	4	0	0	0	0	0
Maximum modelled concentration (μgm <sup>-3</sup> ) (a)	74.7	67.8	89.2	74.1	81.9	79.2	84.8	87.3	84.1	89.5	80	76	72	69	65

(a) Annual Mean Limit Value = 40 μgm<sup>-3</sup>

**Table 3: Modelled annual mean NO<sub>x</sub> source apportionment at the location with the highest NO<sub>2</sub> concentration in 2015 in NO2\_UK0033\_Annual\_1 (µgm<sup>-3</sup>) traffic count point 27275 on the A533; OS grid (m): 351040, 383800) .**

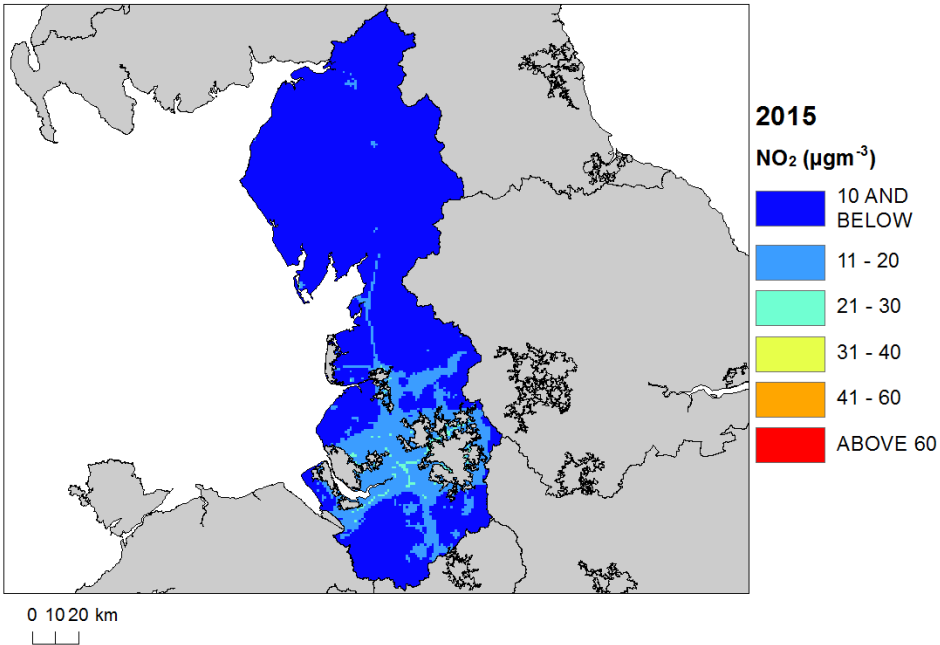
Spatial scale	Component	Concentration at highest road link (a)
Regional background sources NO <sub>x</sub> (i.e. contributions from distant sources of > 30 km from the receptor).	Total	4.6
	From within the UK	2.8
	From transboundary sources (includes shipping and other EU member states)	1.8
	Total	21.8
Urban background sources NO <sub>x</sub> (i.e. sources located within 0.3 - 30 km from the receptor).	From road traffic sources	12.1
	From industry (including heat and power generation)	3.7
	From agriculture	NA
	From commercial/residential sources	2.1
	From shipping	1.3
	From off road mobile machinery	1.8
	From natural sources	NA
	From transboundary sources	NA
	From other urban background sources	0.7
Local sources NO <sub>x</sub> (i.e. contributions from sources < 0.3 km from the receptor).	Total	146.3
	From petrol cars	10.9
	From diesel cars	46.3
	From HGV rigid (b)	19.2
	From HGV articulated (b)	30.0
	From buses	8.7
	From petrol LGVs (c)	0.1
	From diesel LGVs (c)	30.9
	From motorcycles	0.1
Total NO <sub>x</sub> (i.e. regional background + urban background + local components)	From London taxis	0.0
	Total NO <sub>x</sub> (i.e. regional background + urban background + local components)	172.7
Total NO <sub>2</sub> (i.e. regional background + urban background + local components)		65

(a) Components are listed with NO<sub>x</sub> concentration of NA when there is no source from this sector.

(b) HGV = heavy goods vehicle

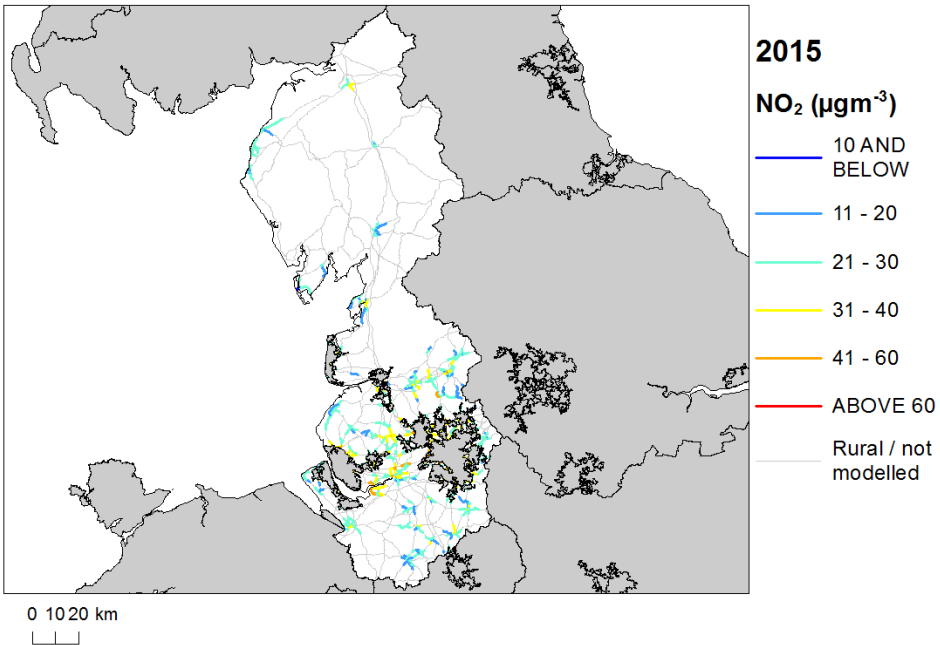
(c) LGV = light goods vehicle

**Figure 4: Map of modelled background annual mean NO<sub>2</sub> concentrations 2015. Modelled exceedances of the annual limit value are shown in orange and red.**



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**Figure 5: Map of modelled roadside annual mean NO<sub>2</sub> concentrations 2015. Modelled exceedances of the annual limit value are shown in orange and red.**



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## 4 Measures

### 4.1 Introduction

This section gives details of measures that address exceedances of the NO<sub>2</sub> limit values within North West and Merseyside 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 NO<sub>2</sub> 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 46.3  $\mu\text{gm}^{-3}$  of NO<sub>x</sub> out of a total of 172.7  $\mu\text{gm}^{-3}$  of NO<sub>x</sub>. Diesel cars and diesel LGVs were important sources on the motorway roads with the highest concentrations in this exceedance situation. Diesel cars, diesel LGVs and on some roads articulated and rigid HGVs or buses were important sources on the primary roads with the highest concentrations. diesel cars, diesel LGVs and articulated and rigid HGVs 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 NO<sub>2</sub> 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](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.



## Overview

Merseyside has a Local Transport Plan for 2014-2024. Partners of the plan are working to make the promotion of walking around Merseyside easier and more enjoyable. This includes improvements to public spaces and pavements as well as signposts and better provision for disabled people. This measure is a long-term initiative which is likely to be permanent in promoting travel alternatives.

The plan promotes a clean, low emission transport system which is resilient. They will also implement a Low Emissions Strategy that will reduce carbon emissions, improve air quality and health. It is also intended to reduce levels of stationary and slow-moving traffic which produce greater levels of carbon emissions by continuing to manage congestion. This in turn will help improve air quality.

There are Regional Groups Co-ordinating programmes to develop area wide Strategies to reduce emissions and improve air quality. Merseyside is encouraging cycle use, improvement and an increase in cycle paths. Measures are being undertaken to promote low emission transport to improve Euro standard buses as part of Liverpool City Council and Mersey travel co-operation.

The Lancashire Local Transport Plan 2011-2021 sets out priorities and activities to reduce congestion. The intention is to sustain and improve the condition of footways, cycle-ways, highways and structures so that maintenance can be carried out in a planned rather than a reactive manner. Regular maintenance of the highway network is necessary to maintain good access and road safety. Good maintenance of streets, footways, cycle-ways, public spaces and street furniture is important to encourage walking and cycling which helps to reduce air pollution.

A second road crossing over the Mersey has been a long held aspiration. There will be a major scheme to build a new six-lane toll bridge over the River Mersey between the towns of Runcorn and Widnes. The new bridge will relieve the congestion and replace the current Silver Jubilee Bridge. It will improve local air quality and enhance the general urban environment, while improving public transport links across the River Mersey and encourage the increased use of cycling and walking .

## 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 NO<sub>2</sub> 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: NO<sub>2</sub>\_UK0033\_Annual\_1

Table 4 presents summary results for the baseline model projections for each year from 2017 to 2030 for the NO<sub>2</sub>\_UK0033\_Annual\_1 exceedance situation. This shows that the maximum modelled annual mean NO<sub>2</sub> concentration predicted for 2020 in this exceedance situation is 49  $\mu\text{g m}^{-3}$ . By 2023, the maximum modelled annual mean NO<sub>2</sub> concentration is predicted to drop to 40  $\mu\text{g m}^{-3}$ . Hence, the model results suggest that compliance with the NO<sub>2</sub> annual limit value is likely to be achieved by 2023 under baseline conditions.

Figure 6 and 7 presents maps of projected annual mean NO<sub>2</sub> concentrations at background and roadside locations respectively in 2023, the year at which compliance is achieved. For reference Figures 8 and 9 show maps of projected annual mean NO<sub>2</sub> 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.

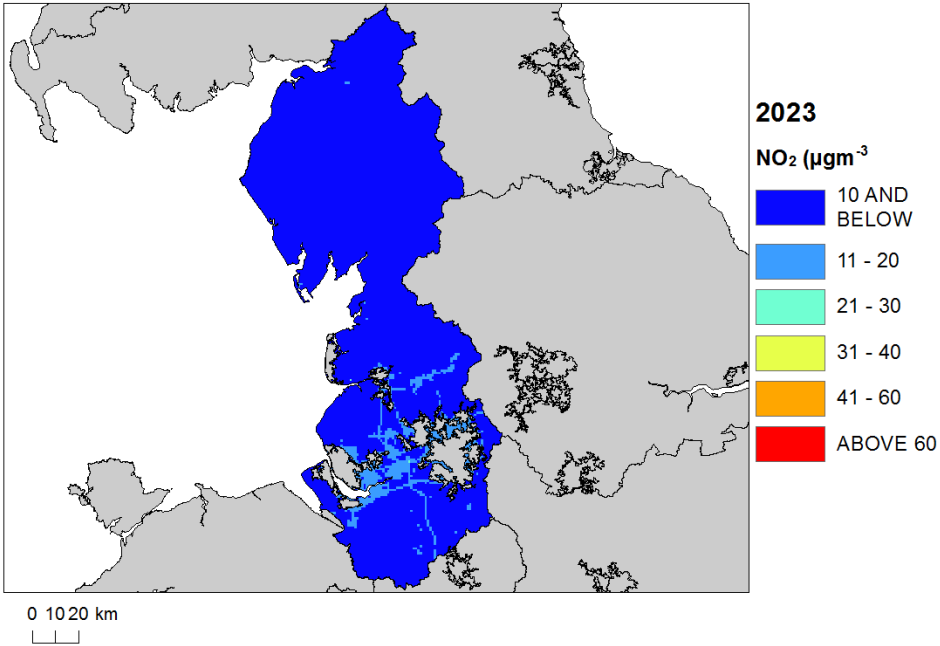
Table 4: Annual mean NO<sub>2</sub> model results in NO<sub>2</sub>\_UK0033\_Annual\_1.

	2015	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Road length exceeding (km)	44.0	33.5	25.3	10.2	5.1	3.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Background exceeding (km <sup>2</sup> )	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maximum modelled concentration NO <sub>2</sub> (µgm <sup>-3</sup> ) (a)	65	59	55	52	49	45	42	40	38	36	34	33	31	30	29
Corresponding modelled concentration NO <sub>x</sub> (µgm <sup>-3</sup> ) (b)	173	150	139	129	118	108	99	92	86	80	75	71	67	64	62

(a) Annual Mean Limit Value = 40 µgm<sup>-3</sup>

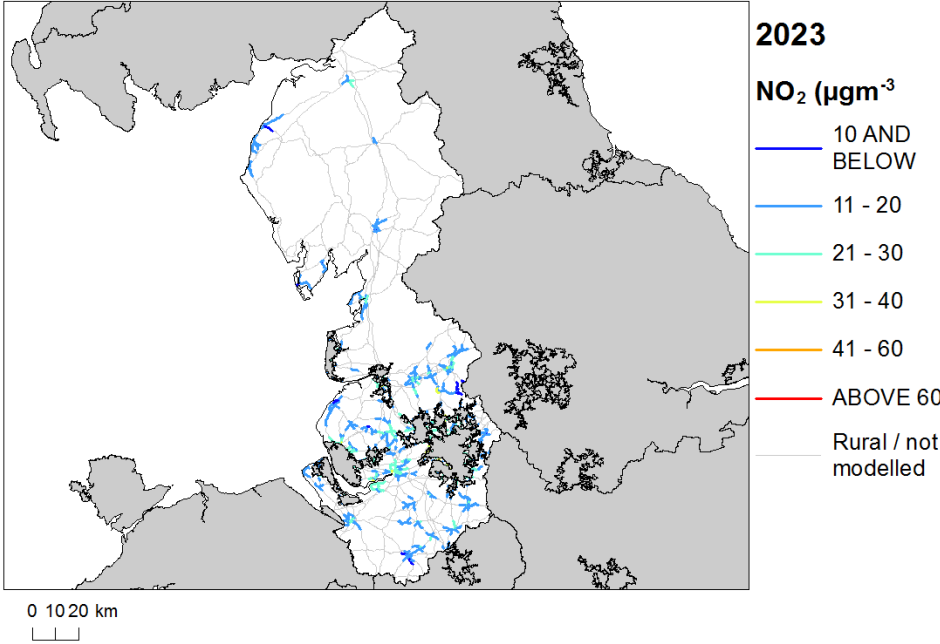
(b) NO<sub>x</sub> is recorded here for comparison with the NO<sub>x</sub> source apportionment graphs for 2015 presented in Annex B of this plan. Limit values for EU directive purposes are based on NO<sub>2</sub>.

**Figure 6: Background baseline projections of annual mean NO<sub>2</sub> concentrations in 2023, 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 NO<sub>2</sub> concentrations in 2023, 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 8: Background baseline projections of annual mean NO<sub>2</sub> 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.

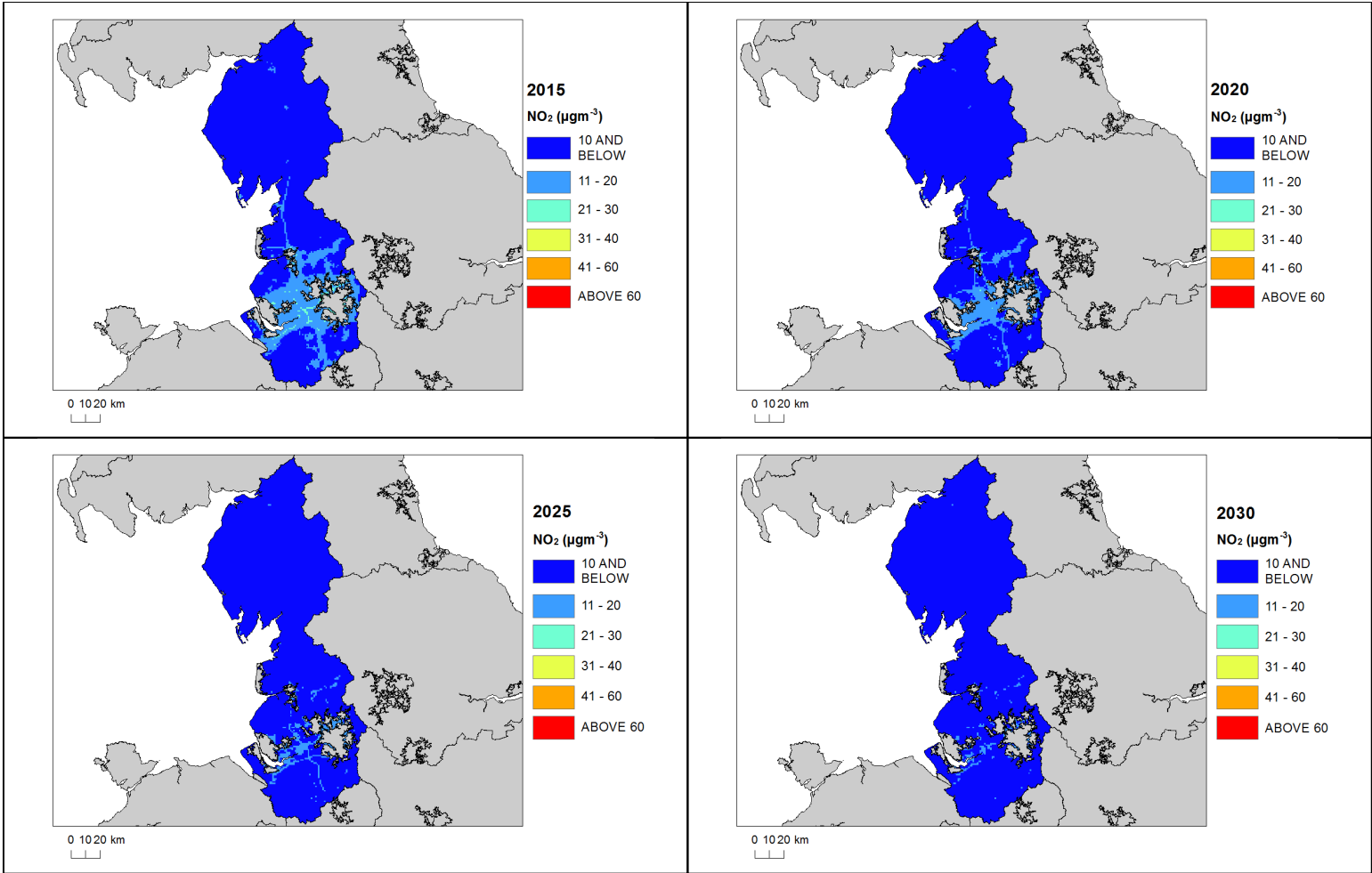
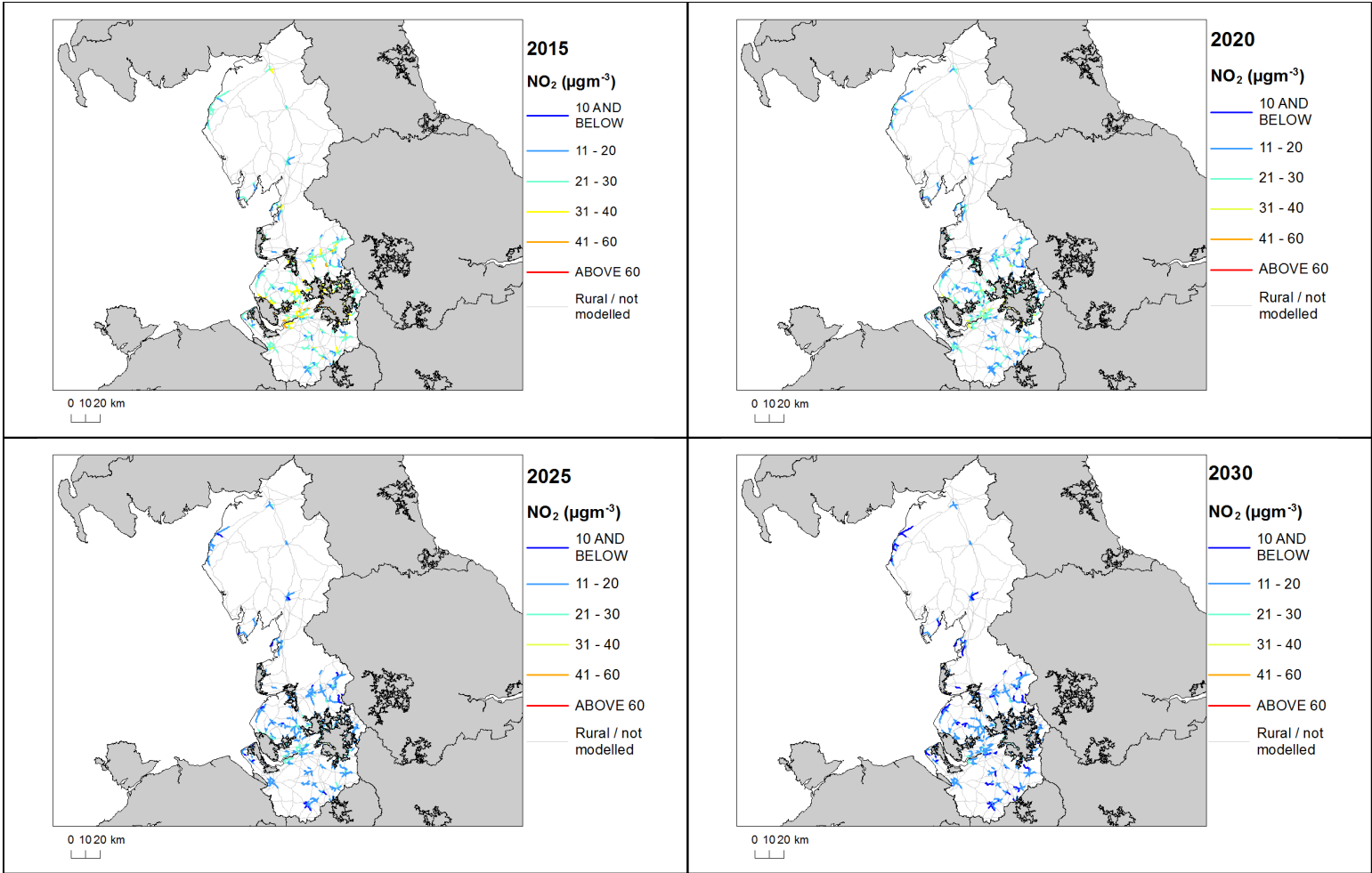


Figure 9: Roadside baseline projections of annual mean NO<sub>2</sub> concentrations in 2020, 2025 and 2030. 2015 is also included here for reference. Modelled exceedances of the annual limit value are shown in orange and red.



# Annexes

## A References

1st Daughter Directive 1999/30/EC. Council Directive 1999/30/EC, of 22 April 1999 relating to limit values for sulphur dioxide, nitrogen dioxide and oxides of nitrogen, particulate matter and lead in ambient air (The First Daughter Directive). From the Official Journal of the European Communities, 29.6.1999, En Series, L163/41.

Air Quality Directive 2008/50/EC. Council Directive 2008/50/EC, of 21 May 2008. On ambient air quality and cleaner air for Europe. From the Official Journal of the European Union, 11.6.2008, En Series, L152/1

Air Quality Expert Group (AQEG, 2004). Nitrogen Dioxide in the United Kingdom. <http://uk-air.defra.gov.uk/library/aqeg/publications>

CDR Central Data Repository. <http://cdr.eionet.europa.eu/>

Decision 2004/224/EC. Commission Decision of 20 February 2004 laying down arrangements for the submission of information on plans or programmes required under Council Directive 96/62/EC in relation to limit values for certain pollutants in ambient air. From the Official Journal of the European Union, 6.3.2004, En Series, L68/27

Decision 2004/461/EC. Commission Decision of 29 April 2004 laying down a questionnaire to be used for annual reporting on ambient air quality assessment under Council Directives 96/62/EC and 1999/30/EC and under Directives 2000/69/EC and 2002/3/EC of the European Parliament and of the Council. From the Official Journal of the European Union, 30.4.2004, En Series, L156/78

Decision 2011/850/EU. Commission Implementing Decision of 12 December 2011 laying down rules for Directives 2004/107/EC and 2008/50/EC of the European Parliament and of the Council as regards the reciprocal exchange of information and reporting on ambient air quality. From the Official Journal of the European Union, 17.12.2011, En Series, L335/86

IPR 2013. Guidance on the Commission Implementing Decision laying down rules for Directives 2004/107/EC and 2008/50/EC of the European Parliament and of the Council as regards the reciprocal exchange of information and reporting on ambient air (Decision 2011/850/EU). [http://ec.europa.eu/environment/air/quality/legislation/pdf/IPR\\_guidance1.pdf](http://ec.europa.eu/environment/air/quality/legislation/pdf/IPR_guidance1.pdf)

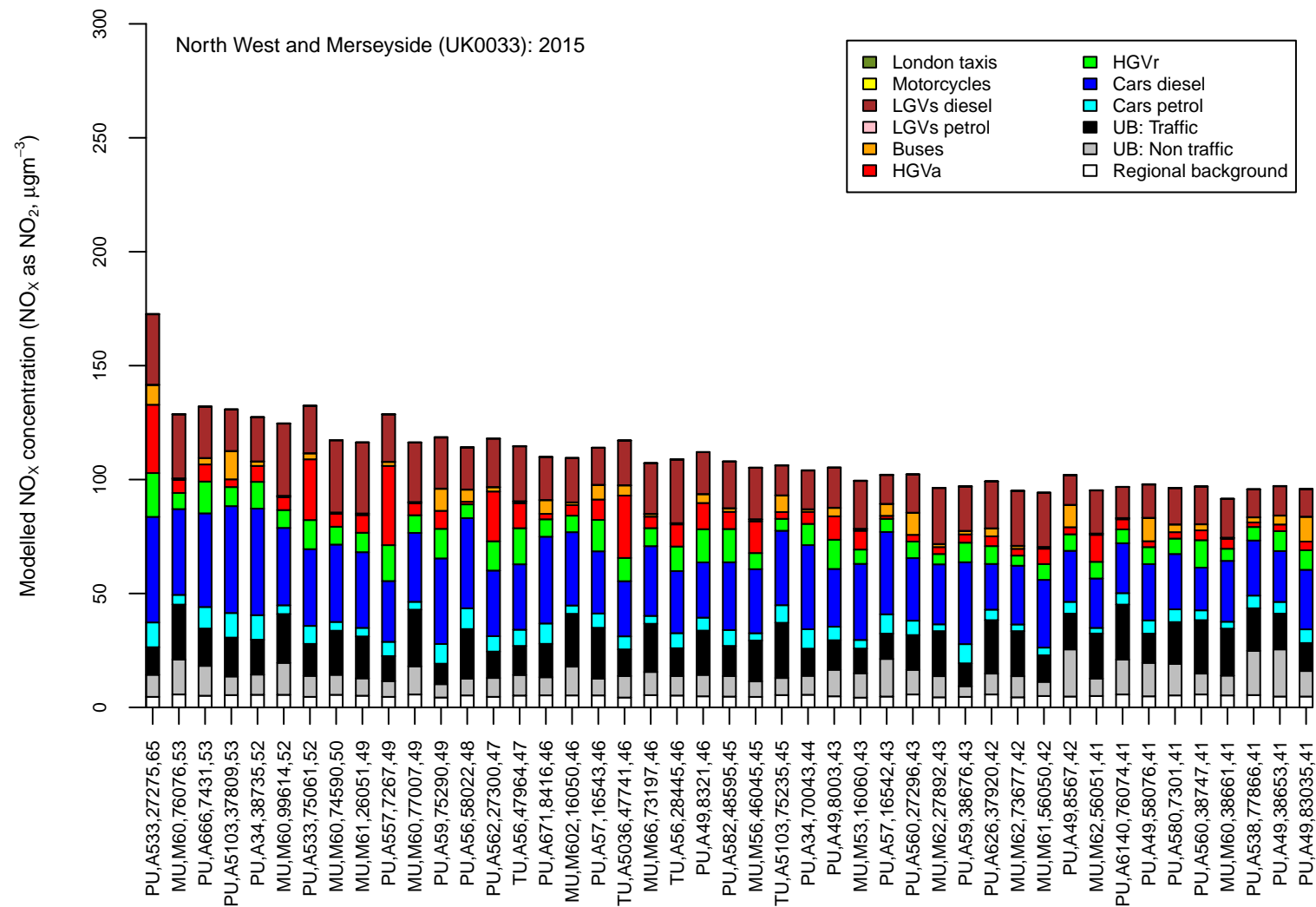
UK Air Quality Plan for tackling roadside nitrogen dioxide concentrations and the UK technical report are available at: <http://www.gov.uk/defra>.

## B Source apportionment graphs

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Figure B.1: Annual mean roadside NO<sub>x</sub> source apportionment plots for all roads exceeding the annual mean NO<sub>2</sub> limit value in 2015.



Road class (MU = motorway, PU = primary road, TU = trunk road), road number, census id 15 and modelled NO<sub>2</sub> concentration ( $\mu\text{gm}^{-3}$ )

## C Tables of measures

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**Table C.1 Relevant Local Authority measures within North West and Merseyside (UK0033)**

Measure code	Description	Focus	Classification	Status	Other information
Blackburn with Darwen Borough Council_1	Maximise signal efficiency	Reduce congestion at junction and hence emissions	Traffic planning and management: Other measure	Implementation	Start date: 2015 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Blackburn with Darwen Borough Council_2	Improved junction signage	Reduce instances where misdirected HDVs turn around and block traffic at junction	Traffic planning and management: Other measure	Implementation	Start date: 2015 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Blackburn with Darwen Borough Council_3	Parking restrictions	Reduce congestion at junction and hence emissions	Traffic planning and management: Management of parking places	Implementation	Start date: 2015 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Blackburn with Darwen Borough Council_4	Pennine Reach project	Major rapid bus transport scheme (approx. 50m) which aims to improve public transport along the Accrington - Blackburn - Darwen corridors.	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2022 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Blackburn with Darwen Borough Council_5	Bus quality partnerships	Promote uptake of public transport to reduce no. of vehicle movements	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2016 Expected end date: 2021 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Blackburn with Darwen Borough Council_6	Improvements to train station	Promote uptake of public transport to reduce no. of vehicle movements	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Blackburn with Darwen Borough Council_7	Improvements to train line and service	Promote uptake of public transport to reduce no. of vehicle movements	Traffic planning and management: Improvement of public transport	Preparation	Start date: 2016 Expected end date: 2021 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
Blackburn with Darwen Borough Council_8	Workplace Plans	Encouraging and supporting staff and visitors to travel by alternatives to driving alone.	Traffic planning and management: Encouragement of shift of transport modes	Preparation	Start date: 2015 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Blackburn with Darwen Borough Council_9	Junction Specific traffic management measures - evaluation & implementation	Reduce congestion at junction and hence emissions	Traffic planning and management: Other measure	Implementation	Start date: 2015 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Blackburn with Darwen Borough Council_10	Evaluate restricting access to smaller roads to prevent conflicting turns and improve flows	Reduce congestion at junction and hence emissions	Traffic planning and management: Other measure	Implementation	Start date: 2015 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Blackburn with Darwen Borough Council_11	Evaluate feasibility of banning right turns out of Spring Lane	Reduce congestion at junction and hence emissions	Traffic planning and management: Other measure	N/A	Start date: 2015 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Blackburn with Darwen Borough Council_12	Roadside Testing of Vehicle Emissions	Promoting vehicle maintenance, thereby reducing emissions	Other measure: Other measure	Implementation	Start date: 2015 Expected end date: 2018 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Blackburn with Darwen Borough Council_13	Dirty diesel hotline	Reducing emissions from badly maintained vehicles	Public information and Education: Other mechanisms	Implementation	Start date: 2015 Expected end date: 2018 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Blackburn with Darwen Borough Council_14	Car sharing	Reducing number of road vehicle movements	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2015 Expected end date: 2018 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Blackburn with Darwen Borough Council_15	Introduce parking restrictions on junction approaches	Reduce congestion at junction and hence emissions	Traffic planning and management: Management of parking places	Implementation	Start date: 2015 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Blackburn with Darwen Borough Council_16	Introduce a formal right turn lane on Shear Brow Road approach to the junction	Reduce congestion at junction and hence emissions	Traffic planning and management: Other measure	Evaluation	Start date: 2015 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Blackburn with Darwen Borough Council_17	School Travel Plans at St. Mary's College and Pleckgate City Learning Centre	Encouraging and supporting staff and visitors to travel by alternatives to driving alone.	Traffic planning and management: Encouragement of shift of transport modes	Planning	Start date: 2015 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Blackburn with Darwen Borough Council_18	Replace age expired signal equipment with new installation	Reduce congestion at junction and hence emissions	Traffic planning and management: Other measure	Evaluation	Start date: 2015 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Blackburn with Darwen Borough Council_19	Relocation of Bus Stop	Reduce congestion at junction and hence emissions	Traffic planning and management: Other measure	Evaluation	Start date: 2015 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Blackburn with Darwen Borough Council_20	Pennine Reach project	Reduce congestion at junction and hence emissions	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2016 Expected end date: 2022 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Blackburn with Darwen Borough Council_21	MOVA upgrade	Reduce congestion at junction and hence emissions	Traffic planning and management: Other measure	Preparation	Start date: 2015 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Blackburn with Darwen Borough Council_22	New Link Road	Reduce congestion at junction and hence emissions	Traffic planning and management: Other measure	Planning	Start date: 2015 Expected end date: 2021 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Blackpool Borough Council_1	Cycle Hire Scheme	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Transport Indicator: Increase use Target emissions reduction: NOx data

Measure code	Description	Focus	Classification	Status	Other information
Blackpool Borough Council_2	30 or less signs	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Transport Indicator: NOx data Target emissions reduction: NOx data
Blackpool Borough Council_3	20mph zones	N/A	Traffic planning and management: Reduction of speed limits and control	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Transport Indicator: NOx data Target emissions reduction: NOx data
Blackpool Borough Council_4	Priority cycle lanes	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Transport Indicator: Increase use Target emissions reduction: NOx data
Blackpool Borough Council_5	Bid won to improve bus engines	N/A	Other measure: Other measure	Preparation	Start date: 2015 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Transport Indicator: NOx data Target emissions reduction: NOx data
Blackpool Borough Council_6	OLEV bid submitted	N/A	Retrofitting: Retrofitting emission control equipment to vehicles	Preparation	Start date: 2016 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Transport Indicator: NOx data Target emissions reduction: NOx data
Blackpool Borough Council_7	AQMA	N/A	Public information and Education: Other mechanisms	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Transport Indicator: NOx data Target emissions reduction: NOx data
Blackpool Borough Council_8	Bus and taxi lanes in the town centre	N/A	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Transport Indicator: NOx data Target emissions reduction: NOx data

Measure code	Description	Focus	Classification	Status	Other information
Blackpool Borough Council_9	Pedestrian only zones in the town centre	N/A	Traffic planning and management: Other measure	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: NOx data Target emissions reduction: NOx data
Blackpool Borough Council_10	Monitoring of Environmental Permits	N/A	Permit systems and economic instruments: Introduction/increase of environment charges	Evaluation	Start date: 2001 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Commercial and residential sources Indicator: NOx data Target emissions reduction: NOx data
Bolton Metropolitan Borough Council_A9a	Air Quality Monitoring. Produce annual reports and publish results	Public Awareness	Public information and Education: Internet	Implementation	Start date: 2010 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: Public Awareness Target emissions reduction: N/A
Bolton Metropolitan Borough Council_A9b	Air Quality Info on Website, publish AQ Action Plan on web with links to As sites and include other service info	Public Awareness	Public information and Education: Internet	Implementation	Start date: 2010 Expected end date: 2014 Spatial scale: Whole agglomeration Source affected: Other, please specify Indicator: Public Awareness Target emissions reduction: N/A
Bolton Metropolitan Borough Council_A9c	Review Current Monitoring	N/A	Public information and Education: Other mechanisms	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Other, please specify Indicator: Awareness Target emissions reduction: N/A
Bolton Metropolitan Borough Council_E7a	Pedestrianisation	Exposure	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
Bolton Metropolitan Borough Council_E7b	Improved cycling and walking facilities	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
Bolton Metropolitan Borough Council_A3	Taxi Controls Encourage use of LPG and regulation of Taxi emissions	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
Bolton Metropolitan Borough Council_E5	Use of Cleaner and alternative fuels. Continuing the fitting of Particle traps as part of the annual replacement program for the Council fleet. Trail alternative	N/A	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of vehicles upgraded Target emissions reduction: N/A
Bolton Metropolitan Borough Council_D2	Quality Bus Partnership	Public Transport Emissions	Traffic planning and management: Improvement of public transport	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
Bolton Metropolitan Borough Council_E8a	Travel Plans - BMBC Key areas	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
Bolton Metropolitan Borough Council_E8b	Work in partnership with local businesses to produce travel plans	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
Bolton Metropolitan Borough Council_E8c	Work in partnership with local businesses to produce travel plans	Reducing in Car usage	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
Bolton Metropolitan Borough Council_E9	Walk to school plans etc.	Public Awareness	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2011 Expected end date: 2011 Spatial scale: Local Source affected: Other, please specify Indicator: Number of schools with travel plans Target emissions reduction: N/A



Measure code	Description	Focus	Classification	Status	Other information
Bolton Metropolitan Borough Council_NTA5	Planning	N/A	Traffic planning and management: 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
Bolton Metropolitan Borough Council_NTA1	Industrial Emissions	Control of industrial emissions	Permit systems and economic instruments: Other measure	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: National Source affected: Commercial and residential sources Indicator: PM10 / NOX Target emissions reduction: N/A
Bolton Metropolitan Borough Council_NTA2a	Domestic smoke emissions publicise and enforce	Public Awareness	Public information and Education: Other mechanisms	Implementation	Start date: 2014 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Bolton Metropolitan Borough Council_NTA2b	Affordable warmth strategy	Domestic Emissions	Other measure: Other measure	Implementation	Start date: 2007 Expected end date: 2016 Spatial scale: National Source affected: Commercial and residential sources Indicator: Number of private sector properties fitted with improved energy efficiency Target emissions reduction: N/A
Bury Metropolitan Borough Council_60	Seek to access grant aid for energy efficiency measures	Energy Efficiency	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_61	Ensure that the LDF Core Strategy contains positive policies to encourage decentralised, renewable and low carbon, energy networks, reduced energy use and pollution through the design, and construction of new development e.g. in terms of layout, use of materials provision, promotion of CHP in new development etc.	Energy Efficiency and Renewable Energy	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Bury Metropolitan Borough Council_62	Support National Initiatives such as European Car Free Day.	Modal Shift	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
Bury Metropolitan Borough Council_63	Use the Bury Environment Fair to raise awareness re Air Quality and related issues.	Awareness Raising	Public information and Education: Other mechanisms	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Action will have a positive impact on air quality but this is difficult to assess Target emissions reduction: N/A
Bury Metropolitan Borough Council_64	Increase awareness and understanding of Council staff on energy efficiency and implications of car use and beneficial actions they can take.	Energy Efficiency and Modal Shift	Public information and Education: Internet	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_65	Set up an Active Travel Group for Bury Council and local partners	Modal shift	Other measure: Other measure	Implementation	Start date: 2016 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_66	Extend existing fleet of 4 electric council vehicles	Modal shift	Public procurement: Other measure	Implementation	Start date: 2016 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_67	Investigate solar PV and battery storage at Bradley Fold depot to provide renewable EV charging facilities	Modal shift	Public procurement: Other measure	Business case	Start date: 2016 Expected end date: 2020 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_1	Promote the use of alternative fuels such as LPG, CNG and electricity to domestic and commercial vehicle users.	Low emissions vehicles	Public procurement: Other measure	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Bury Metropolitan Borough Council_2	Investigate the implementation of lower speed limits where appropriate and work with Greater Manchester Police to increase enforcement of speed limits	Reduce vehicle emissions	Traffic planning and management: Reduction of speed limits and control	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_3	Support the Highways Agency's (HA) Route Management Strategies (RMS) for the M60 and M66	Reduce vehicle emissions	Traffic planning and management: Other measure	Implementation	Start date: 2013 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_4	Improve road signing in the Borough to reduce unnecessary travel.	Reduce vehicle emissions	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: N/A
Bury Metropolitan Borough Council_5	Monitor the current five vehicles fitted with diesel/LPG systems prior to fitting of further systems.	Reduce vehicle emissions	Other measure: Other measure	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
Bury Metropolitan Borough Council_6	Specification and purchase of improved efficiency vehicles to and above Euro IV standard and examine the availability of Euro V engines.	Reduce vehicle emissions	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: N/A
Bury Metropolitan Borough Council_7	Improve monitoring of fuel consumption to facilitate reduction programme.	Reduce vehicle emissions	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: N/A
Bury Metropolitan Borough Council_8	Ensure that the Council's vehicle fleet is properly maintained and operating efficiently	Reduce vehicle emissions	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: N/A
Bury Metropolitan Borough Council_9	Raise awareness of fuel-efficient driving amongst local authority drivers and employees generally.	Reduce vehicle emissions	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: N/A

Measure code	Description	Focus	Classification	Status	Other information
Bury Metropolitan Borough Council_10	Improving the provision of on and off road cycle lanes and tracks in the Borough.	Modal shift	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: N/A
Bury Metropolitan Borough Council_11	Review the Bury Cycling Strategy and raise awareness of it.	Modal shift	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: N/A
Bury Metropolitan Borough Council_12	Providing advanced stop lines for cycles.	Modal shift	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: N/A
Bury Metropolitan Borough Council_13	Improve the provision and security of cycle parking facilities.	Modal shift	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: N/A
Bury Metropolitan Borough Council_14	Implement the Safer Routes to Schools Programmes.	Modal shift	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: N/A
Bury Metropolitan Borough Council_15	Rolling programme of local schemes to improve the safety of pedestrians.	Modal shift	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: N/A
Bury Metropolitan Borough Council_16	Where appropriate, ensure that the impact of proposed developments on traffic emissions is assessed as part of the planning process.	Development control	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: N/A
Bury Metropolitan Borough Council_17	Where appropriate request that developers produce a statement on cycle/ pedestrian impact with planning applications.	Development control	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: N/A

Measure code	Description	Focus	Classification	Status	Other information
Bury Metropolitan Borough Council_18	Ensure that the revised Local Development Framework seeks to reduce the need to travel and promotes the use of modes other than the car.	Development control	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: N/A
Bury Metropolitan Borough Council_19	Implement the Bury sections of the National Cycle Network route through Bury.	Modal shift	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2004 Expected end date: 2012 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_20	Produce a Bury Walking Strategy promoting walking in the Borough.	Modal shift	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2003 Expected end date: 2004 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_21	Redesign road systems where appropriate to give pedestrians priority e.g. in Bury Town Centre.	Modal shift	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: N/A
Bury Metropolitan Borough Council_22	Promote the implementation of Travel Plans among Bury employers.	Modal shift	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: N/A
Bury Metropolitan Borough Council_23	Promote measures such as car sharing among residents and businesses in the area.	Reduce vehicle emissions	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_24	Implement the Home Zone at Victoria Estate Whitefield. Implement additional Home Zones wherever feasible and appropriate levels of funding available.	Reduce vehicle emissions	Traffic planning and management: Reduction of speed limits and control	Implementation	Start date: 2004 Expected end date: 2005 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_25	Implement the A56/A665/A58 Bus Corridors.	Modal shift	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2003 Expected end date: 2008 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Bury Metropolitan Borough Council_26	Promote clean attractive, safe and affordable public transport.	Modal shift	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: N/A
Bury Metropolitan Borough Council_27	Promote an integrated public transport system.	Modal shift	Other measure: Other measure	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_28	Manage public parking to encourage the use of public transport rather than the car.	Modal shift	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: N/A
Bury Metropolitan Borough Council_29	Assess current provision of public transport and community needs and work with TfGM to provide an accessible and suitable service.	Modal shift	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: N/A
Bury Metropolitan Borough Council_30	Support the provision of increased security at Park and Ride car parks.	Modal shift	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_31	Examine the feasibility of introducing a commuter service on the East Lancashire Railway from Rawtenstall to Bury and beyond	Modal shift	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: N/A
Bury Metropolitan Borough Council_32	Support provision of a new Park and Ride Scheme adjacent to Bury town centre	Modal shift	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_33	Implement a Travel Plan for Bury Council.	Modal shift	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: N/A

Measure code	Description	Focus	Classification	Status	Other information
Bury Metropolitan Borough Council_34	Investigate the feasibility of including a consideration of transport emissions and energy efficiency for insertion into any environmental quality criteria that the authority may wish to introduce.	Reduce vehicle emissions	Traffic planning and management: Freight transport measure	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_35	Investigate the feasibility of co-ordinating the supply of goods and services on a corporate basis to reduce the number of delivery journeys necessary.	Reduce vehicle emissions	Traffic planning and management: Freight transport measure	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_36	Promote improved energy efficiency in the industrial and commercial sector by continuing to support the work of the Groundwork Business Environment Association Bury.	Energy Efficiency	Other measure: Other measure	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_38	Continue installing energy efficiency measures in public sector housing stock	Energy Efficiency	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: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_52	Ongoing capital programme of boiler replacements and upgrading of heating controls	Energy Efficiency	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_53	Investigate the feasibility of installing a solar water-heating panel to heat hot water in one of the Council's administrative buildings	Renewable Energy	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_54	Set and publish Council targets and performance in relation to energy reductions	Energy Efficiency	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Bury Metropolitan Borough Council_55	Implement Combined Heat and Power wherever appropriate and economically feasible	Energy Efficiency	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: N/A
Bury Metropolitan Borough Council_56	Audit corporate buildings and develop a programme of improvements prioritising the least efficient buildings	Energy Efficiency	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_57	Carry out/ promote basic energy efficiency work (e.g. draught-proofing and other insulation measures)	Energy Efficiency	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_58	Continue to offer financial loans for energy conservation measures	Energy Efficiency	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Bury Metropolitan Borough Council_59	Consider making an officer within each Council building responsible for monitoring fuel use, raising awareness and seeking to make improvement	Energy Efficiency	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Carlisle City Council_1	A new major bypass, the 'Carlisle Northern Development Route,' to the west of the City will remove up to 25% of through traffic. The traffic and Air Quality impacts will be closely monitored and investigation made as to further network improvements to maximise the benefits.	Reduction of traffic volume and HGV's through the city. Reduce congestion and improve journey times	Traffic planning and management: Other measure	Evaluation	Start date: 2007 Expected end date: 2012 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduced NO2 levels at monitoring locations and within AQMA's. Target emissions reduction: Anticipate approx 25% reduction in NO2 in city centre.



Measure code	Description	Focus	Classification	Status	Other information
Carlisle City Council_2	Effective traffic management measures will be implemented to improve the existing road network and incorporate new developments.	To improve traffic flows along main arterial roads and reduce congestion	Traffic planning and management: Other measure	Planning	Start date: 2012 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduced NO2 levels and standing traffic within AQMA's. Target emissions reduction: Not calculated
Carlisle City Council_3	Environmental Health will continue to work with the Planning Department with regard to new developments and ensure that air quality implications are taken into consideration in the planning process.	Include air quality concern from the beginning of the planning process and influence large scale development	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Improved links between EH and Planning. AQIA's submitted as necessary. Early consultation with applicant. Target emissions reduction: Not calculated
Carlisle City Council_4	Work will continue to upgrade the passenger transport infrastructure to make it more convenient and widely accessible across the County. Arrangements for sustainable transport systems will be integrated into major new and proposed developments	To increase patronage of all passenger transport systems.	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Improved bus service. Increased use of transport provided. Reduced NO2 along main routes Target emissions reduction: Not calculated
Carlisle City Council_5	Cycling and walking will be encouraged through reducing the impact of vehicle traffic in key areas of the city. New and improved pedestrian and cycle links including the Caldew and Lowry Hill Cycle ways and the River Petteril shared cycle/footway will be provided.	To provide opportunity for walking and cycling as a viable transport option across the district.	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Completion of proposed works and ongoing improvement of the cycle and pedestrian route network. Target emissions reduction: Not calculated
Carlisle City Council_6	Travel plans will be required to be implemented and monitored through S106 agreements for all new developments that meet the criteria. Existing businesses will be encouraged to implement, monitor and review travel plans.	To reduce the traffic impact of people commuting to work during peak times of the day.	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: Increased number of participant businesses and more widespread use of alternative transport. Target emissions reduction: Not calculated

Measure code	Description	Focus	Classification	Status	Other information
Carlisle City Council_7	The City Council and the County Council will develop and implement a comprehensive 'Transport Overview and Joint Parking Policy'.	Improve parking arrangements and reduce congestion caused by slow moving traffic seeking spaces.	Other measure: Other measure	Planning	Start date: 2012 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: Approval and adoption of Transport Overview and Joint Parking Policy. Target emissions reduction: Not calculated
Carlisle City Council_8	The City Council will continue to provide comprehensive control over emissions from all Part A2 and B Processes located within the local authority area.	Control industrial emissions to air in line with nationally agreed levels and encourage year on year improvement	Permit systems and economic instruments: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Industry including heat and power production Indicator: Risk based inspections showing that emission limits are being met and efforts are being made to improve on national objectives. Target emissions reduction: Not calculated
Carlisle City Council_9	The City Council will continue to investigate complaints of black smoke and smoke nuisance as well as managing smokeless zones. Enforcement action will be taken as necessary.	To control emissions from burning of trade and domestic waste. Prevent nuisance caused by smoke.	Public information and Education: Other mechanisms	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: Reduction in the number of complaints from members of the public. Reduction in repeat offenders. Target emissions reduction: Not calculated
Carlisle City Council_10	Energy savings advice and subsidised home insulation improvements will continue to be provided to the public. Uptake will be monitored.	Improve energy efficiency. Reduce domestic emissions and fuel poverty.	Public information and Education: Other mechanisms	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: Improved energy efficiency of residential properties. Target emissions reduction: Cumbria Warm Homes Project (CWHP) delivered a reduction of 317296 lifetime carbon tonnes. Oct 11- Mar 13

Measure code	Description	Focus	Classification	Status	Other information
Carlisle City Council_11	Environmental Health will work alongside the Neighbourhoods and Green Spaces team to investigate and implement the effective use of trees and green areas to offset traffic derived emissions in existing AQMA's and in new development areas.	To investigate ways in which vegetation and trees can be used to improve air quality and raise public awareness.	Public information and Education: Other mechanisms	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Increase in trees and vegetation in visible locations. Increased public interest. Target emissions reduction: Not calculated
Carlisle City Council_12	Joint working will be extended in order to include air quality improvement in all relevant City Council and County Council policies and strategies.	To generate more internal interest in air quality. Increase profile of local improvement measures.	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Increased awareness of air quality issues and consideration given by more council departments. Target emissions reduction: Not calculated
Carlisle City Council_13	The City Council will undertake regular publicity events and actively promote air quality and sustainable transport issues. Up to date air quality information and monitoring data will be provided to the public.	Increase public awareness and participation. Improve access to information and monitoring data.	Public information and Education: Internet	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Increased public awareness and participation in improving air quality. Target emissions reduction: Not calculated
Cheshire East_AQM4	Develop and implement an Air Quality Strategy	Strategy	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2015 Spatial scale: Local Source affected: Other, please specify Indicator: Publication Target emissions reduction: N/A
Cheshire East_AQM5	Update Local Emissions Inventory	Data	Other measure: Other measure	Implementation	Start date: 2013 Expected end date: 2013 Spatial scale: Local Source affected: Other, please specify Indicator: EI Updated Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Cheshire East_AQM8	Newsletter to EPR Processes	EPR	Permit systems and economic instruments: Other measure	Implementation	Start date: 2008 Expected end date: 2020 Spatial scale: Local Source affected: Industry including heat and power production Indicator: Newsletter produced x2 annually Target emissions reduction: N/A
Cheshire East_AQM9	Work with partner agencies	Partnership working	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: Identification of site specific initiatives Target emissions reduction: N/A
Cheshire East_AQM10	Establish steering group	Internal cohesive working	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2012 Expected end date: 2025 Spatial scale: Local Source affected: Transport Indicator: 2 meetings per year Target emissions reduction: N/A
Cheshire East_AR1	Developer Guidance	Development Control	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: Guidance produced Target emissions reduction: N/A
Cheshire East_AR2	Website	Public	Public information and Education: Internet	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: Website up to date Target emissions reduction: N/A
Cheshire East_AR3	Schools education pack	Schools	Public information and Education: Other mechanisms	Implementation	Start date: 2011 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: Education pack produced Target emissions reduction: N/A
Cheshire East_TR1	Undertake travel planning support	Development Control	Traffic planning and management: Other measure	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: No. Travel plans implemented Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Cheshire East_TR5	Improve public transport	Sustainable Transport	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Implementation of Passenger Transport Strategy Target emissions reduction: N/A
Cheshire East_TR9	Ensure Taxi's comply with emission limits and consider EURO standards for fleet	Taxi's	Permit systems and economic instruments: Introduction/increase of environment taxes	Preparation	Start date: 2015 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: Taxi Licensing Strategy Review Target emissions reduction: N/A
Cheshire East_TR10	Work to coordinate roadworks on the network	Congestion reduction	Traffic planning and management: Other measure	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Network Management Plan Target emissions reduction: N/A
Cheshire East_TRF1	Freight operator efficiency	Freight emissions	Traffic planning and management: Freight transport measure	Planning	Start date: 2010 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: Freight Strategy Implementation Target emissions reduction: N/A
Cheshire East_CEC1	Council travel plan and car share scheme	Own emissions	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: Staff travel plan Target emissions reduction: N/A
Cheshire East_CEC2	Introduce E-Government reducing the need for people to travel	Public	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: Customer First programmes Target emissions reduction: N/A
Cheshire East_DC1	Ensure AQ has recognition in all Council Strategies	Air Quality	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Links to strategic documents Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Cheshire East_DC6	Develop Low Emission Strategy	Emissions	Other measure: Other measure	Planning	Start date: 2011 Expected end date: 2025 Spatial scale: Local Source affected: Transport Indicator: Implementation of LES Target emissions reduction: N/A
Cheshire East_WR1/RH1/LH1/	Congleton Bypass	Transport	Traffic planning and management: Encouragement of shift of transport modes	Planning	Start date: 2014 Expected end date: 2024 Spatial scale: Whole town or city Source affected: Transport Indicator: Bypass built Target emissions reduction: YES
Cheshire East_WR3/RH2/NANT14/LH4/SAND4	Study effectiveness of NO2 busting coatings	Innovative solutions	Other measure: Other measure	Implementation	Start date: 2008 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: Study completed Target emissions reduction: YES
Cheshire East_WR5/RH5/NANT3/LH5	Parking Enforcement	Air Quality	Traffic planning and management: Other measure	Implementation	Start date: 2009 Expected end date: 2020 Spatial scale: Whole town or city Source affected: Transport Indicator: No. FPN issues in / near AQMA Target emissions reduction: YES
Cheshire East_WR8/RH7/LH8	LEZ for Congleton	Air Quality	Traffic planning and management: Low emission zones	Implementation	Start date: 2024 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: LEZ implemented Target emissions reduction: YES
Cheshire East_RH6	Junction improvement Rood Hill AQMA	Congestion reduction	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2020 Expected end date: 2023 Spatial scale: Local Source affected: Transport Indicator: Works completed Target emissions reduction: YES
Cheshire East_NANT1	Resigning of town	Air Quality	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2010 Expected end date: 2011 Spatial scale: Whole town or city Source affected: Transport Indicator: Project completed Target emissions reduction: YES
Cheshire East_NANT4	Deliveries in Nantwich	Air Quality	Traffic planning and management: Freight transport measure	Evaluation	Start date: 2011 Expected end date: 2013 Spatial scale: Whole town or city Source affected: Transport Indicator: Project Completed Target emissions reduction: YES

Measure code	Description	Focus	Classification	Status	Other information
Cheshire East_NANT10	UTC Traffic Management System	Air Quality	Traffic planning and management: Other measure	Preparation	Start date: 2018 Expected end date: 2020 Spatial scale: Whole town or city Source affected: Transport Indicator: UTC Introduced Target emissions reduction: YES
Cheshire East_NANT11	Contact Sat-Nav companies updating maps for Nantwich	Air Quality	Traffic planning and management: Other measure	Evaluation	Start date: 2013 Expected end date: 2013 Spatial scale: Local Source affected: Transport Indicator: Completed Target emissions reduction: N/A
Cheshire East_NANT15	Cycleway Crewe to Nantwich	Air Quality	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Evaluation	Start date: 2013 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Completed Target emissions reduction: N/A
Cheshire East_NANT22	Junction changes in AQMA	Air Quality	Traffic planning and management: Encouragement of shift of transport modes	Planning	Start date: 2018 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: Junction changed Target emissions reduction: YES
Cheshire East_NANT23	Keep Clear sign to allow flowing traffic	Congestion reduction	Traffic planning and management: Other measure	Evaluation	Start date: 2013 Expected end date: 2013 Spatial scale: Local Source affected: Transport Indicator: Sign completed Target emissions reduction: YES
Cheshire East_SAND3	Junction improvements at M6 J17	N/A	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: Completed Target emissions reduction: YES
Cheshire East_MERE1	A556 Bypass	Transport	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: Bypass completed Target emissions reduction: YES
Cheshire East_MERE5	Signal / Junction improvements to A556	Congestion reduction	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2009 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: Completed Target emissions reduction: YES

Measure code	Description	Focus	Classification	Status	Other information
Cheshire East_DIS1	A6 / SEMMMS SCHEME / A6 Managed Route	Congestion reduction	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2025 Spatial scale: Whole town or city Source affected: Transport Indicator: Works completed Target emissions reduction: YES
Cheshire East_KNU1	Junction improvements near AQMA	Congestion reduction	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2016 Expected end date: 2017 Spatial scale: Whole town or city Source affected: Transport Indicator: Works completed Target emissions reduction: YES
Cheshire East_CRE1	Crewe Green Link Road	Congestion reduction	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: Road Built Target emissions reduction: YES
Cheshire East_CRE4	Box junction enforcement	Congestion reduction	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: No. Tickets Issued Target emissions reduction: N/A
Cheshire East_CRE3	Relocate Crewe Railway Station	Congestion reduction	Traffic planning and management: Other measure	Implementation	Start date: 2013 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: Station relocated Target emissions reduction: YES
Cheshire East_MISC1	Introduction of Electric Vehicle Charging Infrastructure	Low Emission Transport	Public procurement: Other measure	Planning	Start date: 2014 Expected end date: 2015 Spatial scale: Whole agglomeration Source affected: Transport Indicator: Project completed Target emissions reduction: N/A
Cheshire East_MISC2	Workplace Electric Vehicles	Low Emission Transport	Public procurement: Other measure	Planning	Start date: 2014 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: Project completed Target emissions reduction: N/A
Cheshire East_MISC3	Sustainable Travel Campaign in Congleton	Low Emission Transport	Traffic planning and management: Encouragement of shift of transport modes	Preparation	Start date: 2015 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: Project completed Target emissions reduction: N/A



Measure code	Description	Focus	Classification	Status	Other information
Cheshire East_MISC4	Congleton Link Road	Congestion reduction and improvement in AQ in AQMA's	Traffic planning and management: Encouragement of shift of transport modes	Preparation	Start date: 2015 Expected end date: 2018 Spatial scale: Whole town or city Source affected: Transport Indicator: Project completed Target emissions reduction: YES
Cheshire East_LTP/ROWIP 2014/15	Active Travel Capital Investment	Walking and Cycling Infrastructure	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: Installation of infrastructure Target emissions reduction: N/A
Cheshire East_LTP/ROWIP 2015/16	Active Travel Capital Investment	Walking and Cycling Infrastructure	Traffic planning and management: Encouragement of shift of transport modes	Preparation	Start date: 2015 Expected end date: 2016 Spatial scale: Whole agglomeration Source affected: Transport Indicator: Installation of infrastructure Target emissions reduction: N/A
Cheshire West and Chester Council_52	Workplace Grants	Organisations wishing to improve green staff travel	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2012 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_53	272 (LSTF funded Saturday only) Bus Service	Ellesmere Port/Neston	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2012 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_54	Additional Huntington Services to Rail Station	Connectivity to London Commute rail services	Traffic planning and management: Improvement of public transport	Evaluation	Start date: 2014 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_55	LSTF Smarter Choices Team	Chester/Ellesmere Port	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_56	ltravelsmart mapping	Chester/Ellesmere Port	Public information and Education: Internet	Implementation	Start date: 2012 Expected end date: 2016 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
Cheshire West and Chester Council_57	Workplace Personalised Travel Planning	Chester/Ellesmere Port	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: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_58	Community Personalised Travel Planning	Chester/Ellesmere Port	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: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_59	Greenway - Ellesmere Port	Multi-user pathway network (50km+) and green route around the town	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	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
Cheshire West and Chester Council_1	Optimisation of traffic signals at Westminster Bridge	Smoother flow of vehicles on main routes in town centre	Traffic planning and management: Other measure	Preparation	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_2	Parking enforcement in Ellesmere Port town centre	On street parking - obstructions	Traffic planning and management: Other measure	Implementation	Start date: 2008 Expected end date: 2009 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_3	Roadside emissions testing	Light duty vehicle emissions in AQMA	Other measure: Other measure	Implementation	Start date: 2006 Expected end date: 2008 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_4	Emissions tests on taxis and private hire vehicles	Additional MOT-type tests for emissions	Other measure: Other measure	Implementation	Start date: 2006 Expected end date: 2008 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_5	Visual assessment of taxi emissions	Taxi rank idling vehicles	Traffic planning and management: Other measure	Implementation	Start date: 2007 Expected end date: 2008 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Cheshire West and Chester Council_6	Age policy (entry and exit) for taxis and private hire vehicles	Policy - Rolling programme of vehicle replacement and improvement	Permit systems and economic instruments: Introduction/increase of environment taxes	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
Cheshire West and Chester Council_7	Supplementary planning document	Impact of new developments on air quality	Other measure: Other measure	Preparation	Start date: 2015 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_8	Electronic information signs	Display of real-time air quality index readings	Public information and Education: Other mechanisms	Implementation	Start date: 2007 Expected end date: 2007 Spatial scale: Local Source affected: Other, please specify Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_9	Publish real-time air quality data on council website	Provision of information for public	Public information and Education: Internet	Implementation	Start date: 2007 Expected end date: 2010 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_10	Publish public transport info on website	Provision of information for public	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2007 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_11	Promote initiatives such as Walk to Work Day on website and electronic signs	Provision of information for public	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2007 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_12	Whitby Park education trail	Raising awareness of air quality issues in line with key stage 2 objectives	Public information and Education: Other mechanisms	Implementation	Start date: 2007 Expected end date: 2008 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Cheshire West and Chester Council_13	Promote cycling strategy	Encourage alternative modes of transport	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2007 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_14	Install cycle stands in Ellesmere Port	Encourage alternative modes of transport	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2007 Expected end date: 2008 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_15	Promote walking strategy	Encourage alternative modes of transport	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2008 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_16	Travel Plans - private sector	Encourage alternative modes of transport	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2008 Expected end date: 2011 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_17	Journeys to schools	Encourage alternative modes of transport	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2008 Expected end date: 2011 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_18	Improved bus stop facilities in Ellesmere Port	Accessibility of public transport	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2008 Expected end date: 2009 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_19	Urban Traffic Management and Control	Boughton gyratory - congestion management	Traffic planning and management: Other measure	Preparation	Start date: 2014 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_20	Park & Ride hub - evaluation	Feasibility study for new (5th) site at Hoole	Traffic planning and management: Improvement of public transport	Evaluation	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
Cheshire West and Chester Council_21	Park & Ride contract renewal	New contract for tendered services to include improved emissions standards (min Euro VI or hybrid)	Traffic planning and management: Improvement of public transport	Planning	Start date: 2016 Expected end date: 2021 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_22	City Car Club	Chester-based facilities available to public, businesses and council staff	Other measure: Other measure	Implementation	Start date: 2013 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_23	Cycle Demonstration Town	Chester's CDT status aims to increase cycling rates	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2008 Expected end date: 2011 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_24	Clean Bus Technology Fund	CBTF funding for 8 bus engine retrofits. Services running through Boughton AQMA	Retrofitting: Retrofitting emission control equipment to vehicles	Implementation	Start date: 2013 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_25	Clean Vehicle Technology Fund	CVTF funding for 8 bus engine retrofits. Services running through George & Dragon gyratory	Retrofitting: Retrofitting emission control equipment to vehicles	Preparation	Start date: 2015 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_26	Eco Driver training	Driver training delivered to council staff	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2010 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_27	Deincentivising public sector business travel	Adoption of inland revenue taxable mileage rates	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_28	Low Emissions Strategy	Development of a borough-wide LES	Other measure: Other measure	Planning	Start date: 2015 Expected end date: 2016 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
Cheshire West and Chester Council_29	Vehicle idling	Buses and coaches using Chester bus station	Traffic planning and management: Other measure	Implementation	Start date: 2013 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_30	Workplace Challenge	Encouraging cycling / walking instead of driving (incentivised). Council, businesses and individual focus	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: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_31	Secure cycle storage	Provision of secure lockers at several locations around Chester	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2010 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_32	ITravelSmart campaign	Promotion of sustainable travel alternatives as part of LSTF project	Public information and Education: Internet	Implementation	Start date: 2012 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_33	Work Smart - Flexible and Mobile working strategy	Encouragement of home / mobile / flexible / office working for council staff	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_34	Car Sharing	Promotion of sustainable travel alternatives as part of LSTF project	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2013 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_35	Cycle Hire Scheme	Ellesmere Port	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: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_36	Community Personalised Travel Planning	Chester/Ellesmere Port	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: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Cheshire West and Chester Council_37	ltravelsmart app	N/A	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
Cheshire West and Chester Council_38	Railway station travel plans	Chester / Ellesmere Port / Bache	Traffic planning and management: Encouragement of shift of transport modes	Preparation	Start date: 2015 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_39	Park & Ride contract additional stops	New bus stops to be introduced into cross-city park and ride services at key strategic employment and shopping sites	Traffic planning and management: Encouragement of shift of transport modes	Planning	Start date: 2016 Expected end date: 2021 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_40	Railway station parking expansion	Hooton (rural) station car park expanded to encourage rail commute (Chester - Liverpool line)	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_41	Bikeability campaign	All Primary Schools	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2009 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_42	Let's Bike	School years 5 & 6	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2000 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_43	Let's Walk	School years 3 & 4	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2002 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_44	Adults cycling	Adults 17 & above	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: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Cheshire West and Chester Council_45	Car share database	Deeside enterprise zone - Cheshire West residents focus	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_46	Connect2 Cycle Infrastructure	Chester City	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2009 Expected end date: 2011 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_47	LSTF Cycle Infrastructure	Chester / Ellesmere Port	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2012 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_48	SMILES (European Funded Project)	All Borough	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2010 Expected end date: 2012 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_49	Bike-It	Chester	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2009 Expected end date: 2013 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_50	Deeside Shuttle Bus	Ellesmere Port	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2013 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Cheshire West and Chester Council_51	OLEV electric car charging points	Ellesmere Port	Traffic planning and management: Improvement of public transport	Planning	Start date: 2015 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Fylde Borough Council_1	Reduction in speed limit	Urban areas/villages	Traffic planning and management: Reduction of speed limits and control	Other	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: NOx Target emissions reduction: No AQMA in FYLDE



Measure code	Description	Focus	Classification	Status	Other information
Fylde Borough Council_2	Monitoring areas of new industry	Proposed Fracking sites and transport route	Traffic planning and management: Other measure	Evaluation	Start date: 2015 Expected end date: 2030 Spatial scale: Local Source affected: Industry including heat and power production Indicator: NOx Target emissions reduction: No AQMA in FYLDE
Halton Borough Council_1	Decrease queues of idling traffic in the AQMAs	Widening of the Milton Rd/Kingsway junction	Traffic planning and management: Other measure	Evaluation	Start date: 2013 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Halton Borough Council_2	Decrease queues of idling traffic in the AQMAs	Introduce smart traffic signals	Traffic planning and management: Other measure	Evaluation	Start date: 2011 Expected end date: 2012 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Halton Borough Council_3	Improve traffic flows in AQMA	Two way bus lane accessing supermarket	Traffic planning and management: Other measure	Evaluation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Halton Borough Council_4	Reduce number of vehicles accessing town centre via AQMAs	Changes signage to town centre	Traffic planning and management: Other measure	Preparation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Halton Borough Council_5	Reduce number of vehicles accessing town centre via AQMAs	Address hauliers and delivery vehicles	Traffic planning and management: Freight transport measure	Preparation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Halton Borough Council_6	Cleaner vehicles	Introduce the Eco stars scheme	Other measure: Other measure	Preparation	Start date: 2016 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
Halton Borough Council_7	Cleaner vehicles	Educate the public	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: N/A
Halton Borough Council_8	Electric vehicles	Introduce electric charging points	Public procurement: Other measure	Implementation	Start date: 2014 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Halton Borough Council_9	Electric vehicles	Encourage electric charging points on new developments	Public procurement: Other measure	Preparation	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Halton Borough Council_10	Cleaner buses	Encourage the use of low emission buses with a higher fuel efficiency	Public procurement: Cleaner vehicle transport services	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
Halton Borough Council_11	Cleaner buses	Retrofit buses	Retrofitting: Retrofitting emission control equipment to vehicles	Evaluation	Start date: 2013 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Halton Borough Council_12	Encourage the use of public transport	N/A	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
Halton Borough Council_13	Encourage cycle use	Improve/increase cycle paths	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2015 Expected end date: 2017 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Halton Borough Council_14	Encourage cycle use	Improve/increase cycle infrastructure - e.g. cycle safe bike storage areas	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Planning	Start date: 2015 Expected end date: 2017 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
Halton Borough Council_15	Encourage cycle use	Bike discount schemes	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Halton Borough Council_16	Encourage cycle use	Family cycling scheme	Public information and Education: Other mechanisms	Implementation	Start date: 2014 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Halton Borough Council_17	Encourage lift sharing	Within local authority	Other measure: Other measure	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
Lancaster City Council_1	Air Quality Strategy for Lancaster	Process to address Lancaster AQMA - focus on transport	Traffic planning and management: Other measure	Implementation	Start date: 2013 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: Plan aims to deliver improvements so that three AQMA can be revoked
Lancaster City Council_2	Local Transport Plan	Policies/plans contained to reduce impact/emission from traffic	Other measure: Other measure	Implementation	Start date: 2011 Expected end date: 2021 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduce congestion, new road building (Heysham/M6 link), Park and Ride, Sustainable travel options, travel planning, footways and cycleways. Traffic management, electric vehicle charging points) Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Lancaster City Council_3	Transport Master Plan for Lancaster	To address transport and related air quality issues across the whole Lancaster district	Traffic planning and management: Other measure	Implementation	Start date: 2016 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Hetsham to M6 link Road, Lancaster Caton Road Park and Ride, Renumbering A6, Strategic Multiuser cycle network, Lancaster Reach express Public Transport service, reconfiguration of J33 of M6, Lancaster South Park and Ride, Lancaster Movement Strategy (incorporating Lancaster Centre network review and restraint measures). ULEV Strategy, Morecambe Movement Strategy, Morecambe to Lancaster Rail services, Heysham supporting development, Carnforth Town Centre Improvements, Carnforth Railway Station, Rural connections Target emissions reduction: N/A
Lancaster City Council_4	Lancashire Public Health Team AQ Coordination	To promote understanding of air pollution and to help affect behaviour change and support for air quality based action	Other measure: Other measure	Implementation	Start date: 2017 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: N/A Target emissions reduction: N/A
Lancaster City Council_5	Regional/Local Air Quality Planning Guidance	To provide standard regional air quality planning guidance seeking mitigation/emission minimisation for new development	Other measure: Other measure	Implementation	Start date: 2015 Expected end date: 2017 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Lancaster City Council_6	Planning Policy - Lancaster City Council	To ensure new exposure to poor AQ is prevented and to minimise emissions from new development	Other measure: Other measure	Implementation	Start date: 2016 Expected end date: 2017 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Adoption of new Development Management policy Target emissions reduction: N/A
Lancaster City Council_7	Guidance on electric vehicle charging point requirements for new development	To provide a lower emission alternative to the private car .	Other measure: Other measure	Implementation	Start date: 2016 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Guidance in use Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Lancaster City Council_8	Planning Policy - Carnforth	To prevent exposure to poor air quality and to minimise emissions	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Lancaster City Council_9	Lancaster Parking Strategy	To promote the use of lower emission transport options	Traffic planning and management: Differentiation of parking fees	Preparation	Start date: 2015 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Lancaster City Council_10	Lancaster City Council carbon reduction commitment	To reduced carbon emissions from Lancaster City Council sources	Other measure: Other measure	Implementation	Start date: 2008 Expected end date: 2020 Spatial scale: Local Source affected: Other, please specify Indicator: 34% reduction in carbon emissions by 2020 (3.4% annual target) Target emissions reduction: N/A
Lancaster City Council_11	Heysham/M6 Link Road	New link Road between the M6 and Heysham providing enhanced access but also relief to Centres of Carnforth, Galgate and Lancaster	Traffic planning and management: Other measure	Evaluation	Start date: 2013 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Revocation of Galagate and Carnforth AQMA's (subject to monitoring confirmation) and reduction in monitored levels within Lancaster AQMA Target emissions reduction: 10ug/m3 annual mean NO2 reduction in Carnforth AQMA traff reduction in emissions. Range of 3-9% reductions in emissions within the Lancaster AQMA and potential of up to 5ug/m3 (annual mean NO2) in Galgate AQMA
Lancaster City Council_12	M6/Heysham Link Road Traffic Regulation Order	New link Road between the M6 and Heysham providing enhanced access but also relief to Centres of Carnforth, Galgate and Lancaster	Traffic planning and management: Other measure	Implementation	Start date: 2016 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Lancaster City Council_13	M6/Heysham M6 conditional complimentary measures	Plan of measures to be submitted to prevent relief offered by new road being eroded.	Traffic planning and management: Other measure	Planning	Start date: 2016 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Plan to be submitted before link road is fully opened (Schedule 2, 10 requirements). Target emissions reduction: N/A
Lancaster City Council_14	Development Travel Planning	Travels plans required for new development to minimise trips undertaken by private car	Other measure: Other measure	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: 24 Plans submitted Target emissions reduction: N/A
Lancaster City Council_15	Promoting Home Working	To encourage and promote home working	Other measure: Other measure	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Lancaster City Council_16	Shared Wheels car sharing	To minimise trips using the private car	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: 4660 members registered in Lancashire area
Lancaster City Council_17	Cycling Infrastructure project - Cycling Demonstration Town	Exemplar City for cycling to provide a viable alternative to the car	Other measure: Other measure	Implementation	Start date: 2008 Expected end date: 2011 Spatial scale: Local Source affected: Transport Indicator: 4 contra flow cycle lanes, 3 Toucan crossings, 7 on road cycle lanes, cycle links to canal tow path, cycling access to pedestrian areas, 12 crossing upgrades, new path links, 1176 cycle parking spaces, signage, workplace engagement, events (25.000 contacts), cycle training, schools engagement Target emissions reduction: N/A
Lancaster City Council_18	Lancashire Commuter Cycle Challenge and other schemes	To promote the use of sustainable 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: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Lancaster City Council_19	Cycle Hire	To promote the use of sustainable transport	Traffic planning and management: Encouragement of shift of transport modes	N/A	Start date: N/A Expected end date: N/A Spatial scale: N/A Source affected: N/A Indicator: N/A Target emissions reduction: N/A
Lancaster City Council_20	Public Information via internet	To promote understanding of air pollution and to help affect behaviour change and support for air quality based action	Public information and Education: Internet	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Lancaster City Council_21	Burning of Waste fact sheet	To promote understanding of air pollution and to help affect behaviour change and support for air quality based action	Public information and Education: Leaflets	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: In use Target emissions reduction: N/A
Lancaster City Council_22	Modernisation of local bus fleet	To reduce emissions from the public bus fleet	Public procurement: Other measure	Implementation	Start date: 2015 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: 8% reduction in Nox levels within Lancaster AQMA
Lancaster City Council_23	ULEV Public Fleet - OLEV Grant application	To reduce emissions associated with the Council fleet	Public procurement: New vehicles, including low emission vehicles	Other	Start date: 2015 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: No employee reliant on their own vehicle Target emissions reduction: Dependent on degree of intervention
Lancaster City Council_24	ULEV Cities OLEV Grant application	To be an exemplar city for Ultra Low Emission Vehicles	Public procurement: Other measure	Other	Start date: 2015 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Lancaster City Council_25	ULEV Taxis OLEV grant application	To facilitate the uptake of Ultra Low Emission Taxis	Permit systems and economic instruments: Introduction/increase of environment taxes	Preparation	Start date: 2015 Expected end date: 2019 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
Lancaster City Council_26	ULEV Buses OLEV grant application	To assist with facilitate the uptake of lower emission buses	Public procurement: New vehicles, including low emission vehicles	Implementation	Start date: 2015 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: 8% reduction in Nox levels within Lancaster AQMA
Lancaster City Council_27	Sustainable Transport Fund Grants	To promote the use of sustainable transport, particularly cycling	Other measure: Other measure	Implementation	Start date: 2013 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: Engaged with over 100 businesses.50 Grants awarded mainly for cycle storage, showers and pool bikes Target emissions reduction: N/A
Lancaster City Council_28	Traffic Speed Changes	To make the road network safer for more sustainable modes of transport	Traffic planning and management: Reduction of speed limits and control	Implementation	Start date: 2012 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Most residential areas designated 20mph Target emissions reduction: N/A
Lancaster City Council_29	School Travel Planning	To minimise trips to schools using the private car	Other measure: Other measure	Implementation	Start date: 2003 Expected end date: 2011 Spatial scale: Whole town or city Source affected: Transport Indicator: 66 Schools with travel plans Target emissions reduction: N/A
Lancaster City Council_30	School Travel Plan grants - DfT/DfE	To minimise trips to schools using the private car	Other measure: Other measure	Implementation	Start date: 2004 Expected end date: 2011 Spatial scale: Whole town or city Source affected: Transport Indicator: 66 Schools with travel plans - most used grants to provide cycle storage facilities Target emissions reduction: N/A
Lancaster City Council_31	Lancaster Park and Ride - bus scheme (Caton Road)	To provide a lower emission alternative to using the private car to access the city.	Traffic planning and management: Improvement of public transport	Evaluation	Start date: 2013 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A



Measure code	Description	Focus	Classification	Status	Other information
Lancaster City Council_32	Lancaster Park and Ride - rail	To provide a lower emission alternative to the private car .	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: 60 Fee payable spaces Target emissions reduction: N/A
Lancaster City Council_33	Bare Lane Park and Ride - rail	To facilitate the use of more sustainable modes of travel and reduce road based emissions	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: 12 Free spaces Target emissions reduction: N/A
Lancaster City Council_34	Morecambe Park and Ride - rail	To facilitate the use of more sustainable modes of travel and reduce road based emissions	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: 100 fee payable spaces but refundable with rail ticket purchase Target emissions reduction: N/A
Lancaster City Council_35	Silverdale Park and Ride - rail	To provide a lower emission alternative to the private car .	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: 3 free parking spaces Target emissions reduction: N/A
Lancaster City Council_36	Wennington Park and Ride - rail	To provide a lower emission alternative to the private car .	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: 7 free parking spaces Target emissions reduction: N/A
Lancaster City Council_37	Air Quality Station/Traffic Management Link	To use air quality monitoring data to affect traffic management in Lancaster City Centre.	Traffic planning and management: Other measure	Planning	Start date: 2015 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Lancaster City Council_38	Lancaster ANPR system	To obtain better data to enable better traffic management and air quality actions within Lancaster City Centre	Traffic planning and management: Other measure	Implementation	Start date: 2015 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Lancaster City Council_39	Taxi Fleet Change Impact Assessment	To assess the impact of modifying the taxi fleet	Permit systems and economic instruments: Introduction/increase of environment taxes	Implementation	Start date: 2015 Expected end date: 2017 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Lancaster City Council_40	Provision of roadside electric charging points for electric vehicles	To provide a lower emission alternative to the private car .	Public procurement: Other measure	Implementation	Start date: 2016 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: 150 points to be provided across Lancashire -13 anticipated within the Lancaster district Target emissions reduction: N/A
Lancaster City Council_41	Investigate use of electric taxis	To provide a lower emission alternative to diesel/petrol fuelled cars .	Permit systems and economic instruments: Introduction/increase of environment taxes	Preparation	Start date: 2017 Expected end date: 2019 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Lancaster City Council_42	Investigate the use of green walls	To reduce the impact of traffic emissions	Traffic planning and management: Other measure	Preparation	Start date: 2017 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Liverpool City Council_1.1	Voluntary Bus Quality Partnership (VQBP)	Five corridors will come under the VBQP, but the first one will be Route 10. Agreed conditions will apply to bus operators, Mersey travel and LCC	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2013 Expected end date: 2013 Spatial scale: Local Source affected: Transport Indicator: Number of Voluntary BQP Target emissions reduction: Once the corridors are fully compliant, expected emission reduction has the potential to be significant.
Liverpool City Council_1.2	Improve Euro Standard Buses	The Euro Standard for new buses will be a condition within the VBQP	Public procurement: New vehicles, including low emission vehicles	Implementation	Start date: 2013 Expected end date: 2013 Spatial scale: Local Source affected: Transport Indicator: % of compliant buses on the corridors Target emissions reduction: Emission reduction will be within that estimated above

Measure code	Description	Focus	Classification	Status	Other information
Liverpool City Council_1.3	Signal enhancement	Signal enhancement at junctions along bus corridors to include enhanced phasing, selective vehicle detection and in some cases new signals	Traffic planning and management: Other measure	Implementation	Start date: 2009 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Number of junctions upgraded Target emissions reduction: Emission reduction will be within that estimated above
Liverpool City Council_1.4	Enforcement of vehicle idling regulations	Council officers will be asked to enforce the vehicle idling regulations focusing on buses and taxis.	Traffic planning and management: Other measure	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Number of enforcement interventions Target emissions reduction: Depends on scale of enforcement activity, but could reduce NOx concentrations by a few micrograms at areas where idling is a problem.
Liverpool City Council_2.1	Trial of MOTE system	A trial will be carried out to assess using real time Mote sensor systems to feed air pollution data into Liverpool's traffic management systems. The systems will use this information to develop strategies to manage congestion and avoid peaks in concentrations.	Traffic planning and management: Other measure	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Congestion data from trial junctions Target emissions reduction: The system is being trialled in Liverpool and indications are that it could reduce concentrations of NOx by several micrograms.
Liverpool City Council_2.2	Continual development of UTM/SCOOT systems	Maximise efficiency of network utilisation and therefore manage congestion by upgrading systems on an ongoing basis.	Traffic planning and management: Other measure	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Congestion data from key junctions Target emissions reduction: Will vary by location and type of improvement.

Measure code	Description	Focus	Classification	Status	Other information
Liverpool City Council_2.3	Day to day operation of UTM/SCOOT centre	High levels of investment has led to significant work being done in the past few years and Liverpool's advanced systems are preventing congestion and therefore reducing polluting emissions now.	Traffic planning and management: Other measure	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Congestion data from key junctions Target emissions reduction: May not directly improve air quality outside of the interventions listed above, but is central to preventing air quality from getting appreciably worse in Liverpool in the context of growing traffic levels.
Liverpool City Council_3.1	Travel Plans in workplaces, schools, new developments	TravelWise offer advice to organisations in Liverpool on implementing Travel Plans.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2005 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Number of organisations/individuals actively engaged in travel planning. Target emissions reduction: It is not possible to quantify for a city wide AQMA as data will first have to be generated for the city wide activity of current and future Travel Plans, not merely the number that have been developed.
Liverpool City Council_3.2	Walking	The Merseyside Local Transport Plan partners are working to make walking around Merseyside easier and more enjoyable. This includes improvements to public spaces and pavements as well as signposts and better provision for disabled people.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2005 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Improvements to existing infrastructure and facilities Target emissions reduction: It is not possible to quantify for a city wide AQMA as data will first have to be generated for city wide mode shifts to walking.

Measure code	Description	Focus	Classification	Status	Other information
Liverpool City Council_3.3	Cycling	An agreement between Liverpool Primary Care Trust and Merseyside Transport Partnership sets out to generate a 10% increase in trips made by bike before the end of March 2011, compared to journeys in 2006.	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: Improvements to existing infrastructure and facilities Target emissions reduction: The share of journeys taken by bicycle is still very small in Liverpool, and a 10% increase will not impact measurably on ambient air quality, though some estimate of emission savings could be undertaken when robust activity data is available.
Liverpool City Council_4.1	Enhanced design of Live Air website	To redesign the website including a strong educational element to the site to increase usage and public awareness	Public information and Education: Internet	Preparation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Relaunch of site, number of hits on the site per month Target emissions reduction: This is likely to have negligible impact in the short term but over the longer term it will encourage sustainable travel options
Liverpool City Council_4.2	Airtext Alert system	A three year trial, whereby registered members receive a text when pollution levels are high	Public information and Education: Other mechanisms	Implementation	Start date: 2008 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: Launch of the service, number of registered members Target emissions reduction: Aim is to provide a health warning to susceptible people when pollution is high. No impact on reducing emissions
Liverpool City Council_5.1	Enhance design of air quality monitoring network	There are currently several schemes aimed at reducing congestion the current monitoring network is not optimised to track the air quality effects of these schemes.	Traffic planning and management: Other measure	Other	Start date: 2011 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Monitoring data from key corridors and junctions Target emissions reduction: No reduction will be invoked directly but a better understanding of policy effects on air quality would be gained.

Measure code	Description	Focus	Classification	Status	Other information
Manchester City Council_E13	City Car Club	Promotion of Car Club	Other measure: Other measure	Implementation	Start date: 2006 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction in car journeys Target emissions reduction: N/A
Manchester City Council_NTA4_1	Planning Policies	Development of policies and supplementary guidance on reducing environmental impact for new developments to reduce emissions.	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction in car journeys Target emissions reduction: N/A
Manchester City Council_NTA4_2	City Council 'Green' energy policy	Renewable electricity generation	Other measure: Other measure	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: CO2 reduction Target emissions reduction: N/A
Manchester City Council_E9	Eco-Schools	Eco-Schools is an international award programme that guides schools on their sustainable journey, providing a framework to help embed these principles into the heart of school life and has nine themes, including Transport and Energy.	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: Reduction in car journeys Target emissions reduction: N/A
Manchester City Council_A	Fleet vehicles	Reduce the CO2 emissions from Manchester City Council fleet vehicles	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Reduction in vehicle emissions Target emissions reduction: N/A
Manchester City Council_E15 and E8	Airport ground travel emissions reduction schemes	Construction of a ground transport interchange . Ongoing implementation and promotion of staff travel plan . Construction of a third rail platform	Traffic planning and management: Improvement of public transport	Implementation	Start date: 1997 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Reduction in car journeys Target emissions reduction: N/A
Manchester City Council_E16	Street lighting	Street lighting installations and associated lighting levels to comply with British Standard recommendations, to encourage pedestrian activity within the night time environment and thus encourage the use of public transport.	Other measure: Other measure	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Increase in public transport use Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Manchester City Council_E4	Low emission taxi scheme	Low emission taxi scheme by implementing age limits on vehicles through the Council's Licensing Unit.	Permit systems and economic instruments: Introduction/increase of environment taxes	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction in vehicle emissions Target emissions reduction: N/A
Manchester City Council_E3	Tree Planting	Tree planting will help to ameliorate air quality issues	Other measure: Other measure	Implementation	Start date: 1995 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: Reduction in air pollutants Target emissions reduction: N/A
Manchester City Council_NTA4_3	Dirty Diesel Campaign	Encouraging the public to report smoky, grossly polluting vehicles.	Public information and Education: Internet	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction in vehicle emissions Target emissions reduction: N/A
Manchester City Council_NTA1	Environmental Permitting	Regulation of industrial processes under the Environmental Permitting Programme to control emissions to air including particulates, heavy metals and hydrocarbons.	Permit systems and economic instruments: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Industry including heat and power production Indicator: Reduction in point source emissions Target emissions reduction: N/A
Manchester City Council_E5 and A8	Solar panels & Electric vehicle	Project to use an electric vehicle for MCC staff and make the vehicle effectively 'emission free' by offsetting emissions produced from the charging of the vehicle using solar power.	Public procurement: Other measure	Implementation	Start date: 2008 Expected end date: 2008 Spatial scale: Local Source affected: Transport Indicator: Reduction in vehicle emissions Target emissions reduction: N/A
Manchester City Council_CP1	Bus Codes of Conduct	Development of Bus Codes of Conduct to raise environmental performance of bus industry	Public procurement: Cleaner vehicle transport services	Implementation	Start date: 2010 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Reduction in vehicle emissions Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Manchester City Council_E15	Transport Policies	City Council Transport Policies: Delivering a highway network that is safe, sustainable and accessible for all.	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2002 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction in vehicle emissions Target emissions reduction: N/A
Manchester City Council_CP2	Sustainable transport	Promoting sustainable transport choices and cutting car use by placing Public Transport at the heart of the transport network whilst encouraging more cycling and walking.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2013 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction in vehicle emissions Target emissions reduction: N/A
Manchester City Council_CP3	Health through active travel	Joined-up working with the health policy agenda to improve health through active travel.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2012 Expected end date: 2012 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction in vehicle emissions Target emissions reduction: N/A
Manchester City Council_CP4	Tackling Climate Change	Tackling Climate Change through reducing carbon emissions: Influencing the Local Development Framework to ensure land-use strategies reduce the need to travel and help deliver air quality policy objectives.	Other measure: Other measure	Planning	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction in vehicle emissions Target emissions reduction: N/A
Manchester City Council_CP5	Transport Strategy	Development of Transport Strategy for Manchester City Centre (TSfMCC) includes policies and schemes that will have positive outcomes on air quality by removing through traffic, prioritising bus routes and improving the public realm for pedestrians and cyclists	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction in vehicle emissions Target emissions reduction: N/A
Manchester City Council_CP6	Parking policies	Parking policies to discourage long stay commuter parking in city centre and efficiently direct vehicles into available parking	Traffic planning and management: Management of parking places	Evaluation	Start date: 2011 Expected end date: 2011 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction in vehicle emissions Target emissions reduction: N/A



Measure code	Description	Focus	Classification	Status	Other information
Manchester City Council_CP7	Bus Lane Enforcement Strategy	To undertake the civil enforcement of bus lanes in Manchester to provide more reliable bus journeys thus encouraging modal shift.	Traffic planning and management: Improvement of public transport	Evaluation	Start date: 2006 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Reduction in vehicle emissions Target emissions reduction: N/A
Manchester City Council_E7	Cycling	Encourage an increase in Cycling: The Greater Manchester (GM) Cycling Strategy and proposed Cycling Vision for Manchester will contribute to encouraging modal shift away from the car, reducing emissions.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2012 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction in vehicle emissions Target emissions reduction: N/A
Manchester City Council_2017_CP1	Transport Policy	The Manchester Strategy' identified a need to make further improvements to air quality in the city, especially in the city centre and near other areas with high levels of traffic.	Traffic planning and management: Other measure	Implementation	Start date: 2016 Expected end date: 2026 Spatial scale: Whole town or city Source affected: Transport Indicator: Annual mean nitrogen dioxide concentrations (ug/m) Target emissions reduction: N/A
Manchester City Council_2017_E15 and E8_1	Airport ground travel emissions reduction schemes - 2017 update	. Construction of a ground transport interchange . Ongoing implementation and promotion of staff travel plan . Construction of a third rail platform	Traffic planning and management: Improvement of public transport	Implementation	Start date: 1997 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Reduction in car journeys Target emissions reduction: N/A
Manchester City Council_2017_E15 and E8_2	Airport emissions reduction - 2017 update	Promotion of low emission vehicles	Other measure: Other measure	Implementation	Start date: 1997 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Minimise the area of the 40ugm-3 NO2 contour for airport emission sources. Target emissions reduction: N/A
Oldham Metropolitan Borough Council_1	Introduction of Metrolink from Manchester - Oldham - Rochdale	Encourage modal shift from private car to public transport. Metrolink produced no vehicle emissions at source.	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2010 Expected end date: 2014 Spatial scale: Whole agglomeration Source affected: Transport Indicator: Metrolink patronage Target emissions reduction: N/A
Oldham Metropolitan Borough Council_2	2 QBC's (Quality Bus Corridors) to be introduced: the A671/A627 Rochdale/Oldham/Ashton/Hyde (ROAH) QBC and the A62/A669 Manchester/Oldham/Grotton/Saddleworth QBC	Reduction in car journeys and exhaust emissions.	Traffic planning and management: Improvement of public transport	N/A	Start date: 2006 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Oldham Metropolitan Borough Council_3	New Bus Station	Improved facilities to encourage bus use and modal shift from private car.	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2008 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Bus station Target emissions reduction: N/A
Oldham Metropolitan Borough Council_4	Introduction of Quality Bus Partnerships	Agreements with bus operators on minimum engine standards.	Public procurement: Cleaner vehicle transport services	Implementation	Start date: 2010 Expected end date: 2012 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Oldham Metropolitan Borough Council_5	Preparation of local strategies to encourage walking and cycling in Oldham	Encourage walking and cycling in the borough as these forms of transport produce no emissions	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2006 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Oldham Metropolitan Borough Council_6	Continue enforcement of illegal on-street parking	Reducing congestion caused by illegal parking	Traffic planning and management: Management of parking places	Implementation	Start date: 2012 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Oldham Metropolitan Borough Council_7	Continuation of roadside emission testing scheme (Now expanded to Cleaner Vehicles Campaign)	Reducing the number of grossly polluting vehicles.	Other measure: Other measure	Implementation	Start date: 2004 Expected end date: 2012 Spatial scale: Whole agglomeration Source affected: Transport Indicator: Reduction in the number of grossly polluting vehicles. Target emissions reduction: N/A
Oldham Metropolitan Borough Council_8	Participation in a feasibility study into a Low Emission Zone in partnership with the other Greater Manchester Authorities	To determine whether the introduction of an LEZ would be beneficial to Greater Manchester.	Other measure: Other measure	Planning	Start date: 2008 Expected end date: 2015 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Oldham Metropolitan Borough Council_9	Employ a Travel co-ordinator with responsibility to encourage businesses to develop travel plans	Oldham Council	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2006 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Oldham Metropolitan Borough Council_10	Encourage schools to develop school travel plans and Oldham MBC to implement Safer Routes to School schemes.	To reduce emissions associated with travel to school.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2006 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
Oldham Metropolitan Borough Council_11	Encourage businesses to develop staff travel plans and alternatives to traditional HGVs	To reduce transport emissions from businesses operating in the area.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2006 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Oldham Metropolitan Borough Council_12	Implement Oldham MBC travel plan for employees	Reducing emissions from staff travel to work and on Council business	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2006 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Oldham Metropolitan Borough Council_13	Development of a travel Plan with Royal Oldham Hospital 'Healthy Futures'	Reducing emissions associated with travel to and from the hospital	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2006 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Oldham Metropolitan Borough Council_14	Improve air quality emissions from Council Fleet Vehicles	To reduce emissions associated with the Council Vehicle fleet	Other measure: Other measure	Implementation	Start date: 2006 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Oldham Metropolitan Borough Council_15	Consultation with local businesses and community about air quality issues	To raise awareness of air quality issues.	Public information and Education: Other mechanisms	Other	Start date: 2006 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: N/A Target emissions reduction: N/A
Oldham Metropolitan Borough Council_16	Increase awareness of Smoke Control Areas	Reducing emissions from domestic coal/wood burning	Public information and Education: Other mechanisms	Implementation	Start date: 2006 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Oldham Metropolitan Borough Council_17	Air quality assessments required for large non-residential developments	To ensure that new developments do not significantly affect air quality.	Other measure: Other measure	Implementation	Start date: 2007 Expected end date: 2015 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
Oldham Metropolitan Borough Council_18	Requirement for travel plans to be submitted with applications for large non residential applications	To ensure that new developments do not significantly affect air quality.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2006 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Oldham Metropolitan Borough Council_19	Health impact assessment required for sensitive development such as hospitals and residential homes located within the AQMA	Ensuring that sensitive developments are not exposed to poor air quality	Other measure: Other measure	Implementation	Start date: 2006 Expected end date: 2015 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Oldham Metropolitan Borough Council_20	Section 106 agreements to improve transport links for new development	To reduce the impact of new development	Other measure: Other measure	Implementation	Start date: 2006 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Oldham Metropolitan Borough Council_21	All new major developments are required to have 10% of total predicted energy requirements to be provided from renewable energy sources	Reducing emissions from new developments	Low emission fuels for stationary and mobile sources: Other measure	Implementation	Start date: 2006 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
Oldham Metropolitan Borough Council_22	Work with Environment Agency to address waste burning by businesses	Reducing emissions from illegal burning of waste	Other measure: Other measure	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
Oldham Metropolitan Borough Council_23	Implement the Industrial permitting regime.	Ensuring that businesses use best available techniques to reduce emissions	Permit systems and economic instruments: Introduction/increase of environment charges	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
Oldham Metropolitan Borough Council_24	Enforce smoke control provisions where possible	To reduce the impact of domestic coal and wood burning.	Other measure: Other measure	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

Measure code	Description	Focus	Classification	Status	Other information
Oldham Metropolitan Borough Council_25	Develop partnerships [with Energy Savings Trust] to encourage energy efficiency in the home	To reduce emissions from domestic heating.	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Oldham Metropolitan Borough Council_26	Implement Energy Strategy for Council buildings, housing and fleet	To reduce emissions from Council activities, particularly associated with the use of buildings.	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Oldham Metropolitan Borough Council_27	Implement Home Energy Conservation Act Strategy and Action Plan (Rename: Deliver schemes to reduce emissions from housing)	To reduce emissions from domestic heating.	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Oldham Metropolitan Borough Council_28	Development of air quality and construction site guidance in partnership with Environmental Protection UK	Reducing emissions from construction and demolition sites.	Other measure: Other measure	Implementation	Start date: 2001 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: Completion of document Target emissions reduction: N/A
Oldham Metropolitan Borough Council_29	Introduction of GM Electric Vehicle Infrastructure Scheme	To provide infrastructure which will encourage the uptake of electric vehicles	Public procurement: Other measure	Implementation	Start date: 2013 Expected end date: 2015 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Oldham Metropolitan Borough Council_30	New electric vehicle POD in Hollinwood	N/A	Public procurement: 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
Oldham Metropolitan Borough Council_31	New town centre cycle hub in Oldham town centre (New wording - Improve cycling facilities in Oldham Town Centre)	To encourage cycling to Oldham Town Centre	Public procurement: 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

Measure code	Description	Focus	Classification	Status	Other information
Oldham Metropolitan Borough Council_32	Local Sustainable Transport Fund main bid	Programme of measures to encourage modal shift and reduce congestion	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Whole agglomeration Source affected: Transport Indicator: Reduction in car journeys Target emissions reduction: N/A
Oldham Metropolitan Borough Council_33	Increased cycle use	Encouraging cycle use, which produces no emissions	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Whole agglomeration Source affected: Transport Indicator: Increased cycle use Target emissions reduction: N/A
Oldham Metropolitan Borough Council_34	Implementation of private hire and hackney carriage licensing policies relating to controlling emissions	Controlling emissions of private hire and hackney carriage emissions.	Permit systems and economic instruments: Introduction/increase of environment taxes	Implementation	Start date: 2013 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Oldham Metropolitan Borough Council_35	Consider opportunities to develop renewable energy sources in Oldham	Reduce emissions from energy production.	Low emission fuels for stationary and mobile sources: Shift to installations using low emission fuels	Planning	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Industry including heat and power production Indicator: N/A Target emissions reduction: N/A
Pendle Borough Council_1	M65 to Yorkshire Relief Rd (A56 Villages Bypass)	Enable through traffic to bypass Colne	Traffic planning and management: Improvement of public transport	Other	Start date: 2018 Expected end date: 2022 Spatial scale: Whole town or city Source affected: Transport Indicator: Bypass built Target emissions reduction: Significant
Pendle Borough Council_2	Reinstatement of Colne/Skipton Railway	Provide alternative transport between east Lancashire & Yorkshire	Traffic planning and management: Improvement of public transport	Other	Start date: 2018 Expected end date: 2022 Spatial scale: Whole town or city Source affected: Transport Indicator: Railway reinstated Target emissions reduction: Unknown
Pendle Borough Council_3	Urban Traffic Management & Control	Implement UTMCs along North Valley Rd	Traffic planning and management: Other measure	Planning	Start date: 2016 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Implementation Target emissions reduction: Unknown

Measure code	Description	Focus	Classification	Status	Other information
Pendle Borough Council_4	Improve traffic flows & speeds in AQMA	Implement small scale interventions to reduce queuing & improve speeds	Traffic planning and management: Other measure	Planning	Start date: 2016 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Implementation Target emissions reduction: 1.1g/m3 - 2.2g/m3
Pendle Borough Council_5	Freight Quality Partnership / Ban on HGVs in AQMA at Peak Times	Investigate possibility of formulating a Freight Quality Partnership & investigate restricting HGVs entering AQMA at peak traffic times.	Traffic planning and management: Freight transport measure	Other	Start date: 2016 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Implementation Target emissions reduction: 3.6g/m3
Pendle Borough Council_6	Impose 20mph Speed Restrictions	Impose a 20mph speed limit on roads within and around the AQMA	Traffic planning and management: Reduction of speed limits and control	Other	Start date: 2016 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: Implementation Target emissions reduction: 3.9g/m3
Pendle Borough Council_7	Encourage modal shift	Encourage move from private cars to public transport, cycling, walking	Other measure: Other measure	Planning	Start date: 2015 Expected end date: 2018 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduced number of vehicle trips Target emissions reduction: N/A
Pendle Borough Council_8	Improvements in bus fleet	Work with local bus companies to ensure buses travelling through the AQMA are of the highest EURO standard.	Public procurement: New vehicles, including low emission vehicles	Planning	Start date: 2015 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: Implementation Target emissions reduction: Unknown
Pendle Borough Council_9	Park & Ride	Investigate the implementation of a park and ride scheme in Colne	Traffic planning and management: Improvement of public transport	Other	Start date: 2016 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Implementation Target emissions reduction: Unknown
Pendle Borough Council_10	Improved bus services	Improve bus services	Other measure: Other measure	Other	Start date: 2015 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Improved bus services Target emissions reduction: Unknown

Measure code	Description	Focus	Classification	Status	Other information
Pendle Borough Council_11	Reduction in Idling of Traffic	Reduce the number of vehicles that are kept idling	Public information and Education: Other mechanisms	Other	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Reduction in idling vehicles Target emissions reduction: Unknown
Pendle Borough Council_12	Freight Consolidation Centre	Reduce the number of HGVs travelling through the AQMA	Traffic planning and management: Freight transport measure	Other	Start date: 2015 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Reduced number of vehicle trips Target emissions reduction: Unknown
Pendle Borough Council_13	Parking strategies	Hold more vehicles outside of AQMA	Traffic planning and management: Other measure	Other	Start date: 2016 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Reduction in vehicles travelling through AQMA Target emissions reduction: N/A
Pendle Borough Council_14	Regular emissions testing of fleet vehicles	Increase level of compliance when emissions are routinely tested.	Other measure: Other measure	Planning	Start date: 2015 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: Implementation Target emissions reduction: Unknown
Pendle Borough Council_15	Fit abatement equipment to older HGVs	Reduce emissions from older fleet vehicles	Retrofitting: Retrofitting emission control equipment to vehicles	Other	Start date: 2015 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Implementation Target emissions reduction: Unknown
Pendle Borough Council_16	Promote use of alternative fuels	Adopt Sustainable Procurement Strategy that includes purchasing lower emission vehicles	Other measure: Other measure	Other	Start date: 2016 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: Implementation Target emissions reduction: Unknown



Measure code	Description	Focus	Classification	Status	Other information
Pendle Borough Council_17	Replace older vehicles with newer ones	Replace older vehicles with newer ones	Other measure: Other measure	Other	Start date: 2016 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: Implementation Target emissions reduction: Unknown
Pendle Borough Council_18	Improve Council fuel consumption	Reduce fuel consumption of Council fleet	Other measure: Other measure	Other	Start date: 2016 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: Implementation Target emissions reduction: Unknown
Pendle Borough Council_19	Travel Plan for Council Staff	Reduce emissions created by employees travelling to work	Other measure: Other measure	Other	Start date: 2016 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: Implementation Target emissions reduction: Unknown
Pendle Borough Council_20	Educate communities on air pollution	Increase website material	Public information and Education: Internet	Other	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Implementation Target emissions reduction: Unknown
Pendle Borough Council_21	Work with Sustrans	To promote walking and cycling initiatives	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Implementation Target emissions reduction: Unknown
Pendle Borough Council_22	Cycle to Work Scheme	Encourage employees to cycle to work	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2015 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Implementation Target emissions reduction: Unknown
Pendle Borough Council_23	Provide real time travel & air quality information	Provide real time travel & air quality information	Public information and Education: Other mechanisms	Other	Start date: 2016 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: Implementation Target emissions reduction: Unknown

Measure code	Description	Focus	Classification	Status	Other information
Pendle Borough Council_24	Increase uptake of travel plans	Reduce traffic movements through better planning at peak times	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2016 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: Implementation Target emissions reduction: Unknown
Pendle Borough Council_25	Mitigate AQ issues of new developments	By suitable planning conditions	Other measure: Other measure	Other	Start date: 2015 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: Implementation Target emissions reduction: Unknown
Pendle Borough Council_26	Influence forthcoming policies	Increase consideration of air quality issues	Other measure: Other measure	Other	Start date: 2016 Expected end date: 2017 Spatial scale: Whole town or city Source affected: Transport Indicator: Implementation Target emissions reduction: Unknown
Pendle Borough Council_27	Inspect Permitted processes	Ensure compliance	Permit systems and economic instruments: Other measure	Implementation	Start date: 2015 Expected end date: 2018 Spatial scale: Whole town or city Source affected: Transport Indicator: Implementation Target emissions reduction: Unknown
Pendle Borough Council_28	Enforce Clean Air Act	Reduce burning of waste	Other measure: Other measure	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: Implementation Target emissions reduction: Unknown
Pendle Borough Council_29	Air Quality Monitoring	Continue to monitor AQ through borough	Other measure: Other measure	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: Implementation Target emissions reduction: Unknown

Measure code	Description	Focus	Classification	Status	Other information
Pendle Borough Council_30	Ensure AQ data accurate	Implement QA measures	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Implementation Target emissions reduction: Unknown
Preston Borough Council_1	To review the highway network associated with AQMA 1 as part of the Tithebarn Regeneration Planning Application, to reduce congestion and improve air quality	To improve vehicle flows and reduce congestion as this junction.	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: Reduction of 1.5ug/m3 on the 2014 baseline
Preston Borough Council_2	To model the effect on air quality at the AQMA 2 Junction, with various speeds and queue times, to help with action 3	To model the junction with a number of scenarios relating to improved vehicle flows associated with improved signalling or bus priority	Traffic planning and management: Other measure	Implementation	Start date: 2009 Expected end date: 2009 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Preston Borough Council_2a	To undertake an updated study on the source appointment at AQMA2	To update the contributions from each vehicle mode	Traffic planning and management: Other measure	Implementation	Start date: 2011 Expected end date: 2011 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Preston Borough Council_3	To undertake a validation exercise of the UTC SCOOT system of the junction associated and those nearby AQMA 2	To carry out the improvements recommended from the modelling in action 2	Traffic planning and management: Other measure	Implementation	Start date: 2010 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Preston Borough Council_4	To review the possibility of displaying real time congestion and air quality levels on the existing signage network and LCC website.	To review the ability to provide up to date information on congestion and air quality	Public information and Education: Other mechanisms	Implementation	Start date: 2010 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Preston Borough Council_5	To provide high quality, secure cycle parking in appropriate locations within the Tithebarn Regeneration Area to incentives journeys into Preston by bicycle	New cycle parking associated with the Tithebarn planning application	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Other	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
Preston Borough Council_6	The Review of Preston City Council's corporate travel plan to minimise the number of avoidable private car journeys contributing to traffic flows and congestion in Preston	To review the Council's green travel plan, to encourage a greater use of car sharing and alternative forms of transport. Reducing car use.	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Preston Borough Council_7	To improve the cycle access to the city centre from all directions by the date of the Tithebarn development	Linked to the Guild Wheel project, action 10	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2012 Expected end date: 2012 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Preston Borough Council_8	To increase the length of road cycle path network in the city by 2 km a year	To increase the cycle network of Preston	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: 2 km of cycle network per year Target emissions reduction: N/A
Preston Borough Council_9	To improve the cycle access to the Docks area	N/A	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Planning	Start date: 2013 Expected end date: 2013 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Preston Borough Council_10	To complete the Preston Guild Wheel cycle route	The Wheel will link all cycle paths in the city, with a the spokes being the routes into the city.	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2012 Expected end date: 2012 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Preston Borough Council_11	To sign the route from the end of the old railway cycle path at West View Leisure Centre to the city centre	As per measure	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2009 Expected end date: 2009 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Preston Borough Council_12	To complete the cycle path from the Hills to Grimsargh	As per measure	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Planning	Start date: 2010 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Preston Borough Council_13	To extend the cycle path on the old railway to St Pauls Road	As per measure	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Planning	Start date: 2013 Expected end date: 2013 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Preston Borough Council_14	To implement at least one safe cycle route to school scheme a year in the city	As per measure	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: 1 safe cycle route to school per year Target emissions reduction: N/A
Preston Borough Council_15	To implement all the actions detailed within Preston City Council's, Climate Change Action Plan - Mitigation	The Climate Change Action Plan's focus is on mitigation measures rather than adaptation	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2012 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Preston Borough Council_16	Local Transport Plan Measure - Park and Ride scheme for North Preston (Broughton)	As per Measure	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2012 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Preston Borough Council_17	Local Transport Plan Measure - Park and Ride scheme for East Preston, Junction 31a M6.	As per Measure	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2009 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Preston Borough Council_18	M55 Junction 1, capacity improvements to the roundabout	As per measure	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
Preston Borough Council_19	Construction of Broughton Bypass	As measure	Traffic planning and management: Other measure	Planning	Start date: 2016 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Preston Borough Council_20	Construction of western Preston distributor road	As per measure	Traffic planning and management: Other measure	Planning	Start date: 2014 Expected end date: 2022 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Preston Borough Council_21	Construction of Cottam Parkway Railway Station	As per measure	Traffic planning and management: Improvement of public transport	Planning	Start date: 2014 Expected end date: 2023 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Preston Borough Council_22	New Public Transport priority corridors	New Public transport corridors along 7 routes into Preston	Traffic planning and management: Improvement of public transport	Planning	Start date: 2015 Expected end date: 2024 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Ribble Valley Borough Council_1	Introduced box junction to improve traffic flow	Improve traffic flow	Traffic planning and management: Other measure	Implementation	Start date: 2012 Expected end date: 2012 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Ribble Valley Borough Council_2	Measuring & Analysis of traffic	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: N/A
Ribble Valley Borough Council_3	Detailed monitoring & analysis of traffic	N/A	Traffic planning and management: Other measure	Preparation	Start date: 2015 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Ribble Valley Borough Council_4	Upgrade pelican crossing	Improve traffic flow	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
Ribble Valley Borough Council_5	Established Local Authority Air Quality Action Group	Formulate AQMA Action Plan	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
Ribble Valley Borough Council_6	Engaged with Planning for AQMA to be material consideration	Require large scale developers to consider air quality impacts and mitigation	Other measure: Other measure	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
Ribble Valley Borough Council_7	Engage with local schools re Travel Plans	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
Ribble Valley Borough Council_8	Continue with enhanced NOx tube monitoring	Levels fallen significantly since peak in 2012	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Ribble Valley Borough Council_9	Review on street car parking	Improve traffic flows	Traffic planning and management: Management of parking places	Planning	Start date: 2015 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Ribble Valley Borough Council_10	Draft AQ Action Plan	Provide document for developing approach	Other measure: Other measure	Planning	Start date: 2015 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_1	Awareness campaigns	Awareness campaigns to increase knowledge and understanding of AQ issues	Public information and Education: Other mechanisms	Other	Start date: 2006 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_2	Home energy efficiency and renewable energy	Work on promoting and improving home energy efficiency and renewable energy including setting planning guidance	Public information and Education: Other mechanisms	Other	Start date: 2006 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_3	School travels plans	Implementing school travel plans to minimise traffic in school areas	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2004 Expected end date: 2011 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction is congestion in surrounding school areas Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_4	Congestion management programme	Reduce congestion	Traffic planning and management: Other measure	Implementation	Start date: 2011 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction in congestion on main truck roads at peak times Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Rochdale Metropolitan Borough Council_5	Reduction of speed limits	Reduction of speed limits to 20 mph in areas around schools	Traffic planning and management: Reduction of speed limits and control	Evaluation	Start date: 2009 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_6	Metrolink expansion	Metrolink extension to Rochdale	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2014 Spatial scale: National Source affected: Transport Indicator: Increase use of public transport Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_7	Workplace travel planning	Travel plans produced to support all eligible major employment and residential developments in the Borough in line with DfT / DCLG guidance.	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: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_8	Kingsway Business Park Travel Plan	Integration of a comprehensive sustainable network on the site and provision of links to surrounding areas.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2005 Expected end date: 2020 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_9	Home-working initiatives	Facilitating RMBC workers to work from homes	Other measure: Other measure	Implementation	Start date: 2008 Expected end date: 2020 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_10	Promotion of cycling	Promoting cycling in the Borough through Rochdale MBC's connect 2 Project.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2010 Expected end date: 2020 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_11	Promoting walking	Promoting active lifestyle	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_12	Promoting cycling	Encouraging RMBC employees to take up cycling	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2007 Expected end date: 2012 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A



Measure code	Description	Focus	Classification	Status	Other information
Rochdale Metropolitan Borough Council_13	Promotion of rail use	Work with TfGM and other partners to promote rail travel to/ from the Borough's five stations and working with other Councils along the Calder Valley Line to build a business case for electrification in Network Rail CP6 (2019-2025)	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2010 Expected end date: 2020 Spatial scale: National Source affected: Transport Indicator: Increase in numbers using rail travel Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_14	Increase use of canalways	Increasing use of the Canal by both waterways and cycle route	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2007 Expected end date: 2020 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_15	Promotion of travel information - Via internet	Ensuring the public have up-to-date information on public transport timetable etc.	Public information and Education: Internet	Other	Start date: 2009 Expected end date: 2025 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_16	Promotion of travel information - Via leaflets	To ensure the public are aware of changes or disruptions the public transport/ transport network	Public information and Education: Leaflets	Implementation	Start date: 2006 Expected end date: 2025 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_17	Promotion of travel information - via media, including social media	Using both news media and social media to promote alternative travel options and information	Public information and Education: Other mechanisms	Implementation	Start date: 2009 Expected end date: 2025 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_18	Public transport improvements	Improving public transport links to Rochdale and surrounding areas	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2011 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_19	Bicycle hire	Providing bicycles to hire at railway stations etc. under Bike and Go Scheme	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2014 Expected end date: 2025 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_20	Increase cycling within Borough	Provide cycleways for the public to use to increase recreational cycling in area	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2007 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Rochdale Metropolitan Borough Council_21	Increasing use of Cycle Network	Increasing use of the Cycle network	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2007 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_22	Increasing use of Public transport	Providing alternatives to standard bus links by using other measures	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2010 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: Increase in uptake of available options Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_23	Increasing use of Public transport	Use of Metrolink	Traffic planning and management: Other measure	Evaluation	Start date: 2013 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Increase of bus patronage Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_24	Park and Ride Scheme	Encourage use of public transport	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2012 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: Uptake of available parking space / use of service Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_25	Car share Scheme	Encouraging both RMBC employees and the public to use car sharing scheme	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2020 Spatial scale: Whole town or city Source affected: Transport Indicator: Figures show an increase in uptake of the scheme Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_26	GM Air Quality group	GM Authorities work together to execute their LAQM duties particularly for modelling work and collecting data	Other measure: Other measure	Implementation	Start date: 2001 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_27	Planning and policy development	Developing a core strategy to deal with air quality within the Borough	Other measure: Other measure	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Rochdale Metropolitan Borough Council_28	Low Emissions strategy	Low emission strategy required for all developments requiring a transport assessment	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2020 Spatial scale: National Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_29	Smart Motorway scheme	Introducing a smart motorway network which will go through Rochdale	Traffic planning and management: Other measure	Implementation	Start date: 2010 Expected end date: 2020 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_30	Greener Vehicles	Ensuring RMBC fleet vehicles are working at optimum efficiency to reduce fuel consumption	Retrofitting: Retrofitting emission control equipment to vehicles	Evaluation	Start date: 2013 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: Fuel consumption figures Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_31	Promoting Low Emission Public Transport	TfGM and GM Bus Operators have secured significant Green Bus Funding upgrade	Public procurement: Other measure	Implementation	Start date: 2010 Expected end date: 2020 Spatial scale: Whole town or city Source affected: Transport Indicator: Increase of hybrid buses in Borough Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_32	Enigma	Recording data from combustion plant and permitted processes to input into air quality models	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: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_33	Freight Air Quality Best Practice Guidance	Promote and Develop Freight Air Quality Best Practice Guidance for circulation amongst HGV and fleet operators	Traffic planning and management: Freight transport measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Requires further investigation of impacts Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_34	GM Drivers Freight Map	Produce GM Freight routes map for drivers	Traffic planning and management: Freight transport measure	Implementation	Start date: 2008 Expected end date: 2008 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Requires further investigation of impacts Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Rochdale Metropolitan Borough Council_35	Night-time deliveries	Study of feasibility and dissemination to planning officers	Traffic planning and management: Freight transport measure	Implementation	Start date: 2010 Expected end date: 2010 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_36	Environmental impact points for freight on the road and rail network	Identify and address key environmental impact points for freight on the road and rail network	Traffic planning and management: Freight transport measure	Implementation	Start date: 2010 Expected end date: 2010 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Requires further investigation of impacts Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_37	Work with bus operators to reduce bus emissions	GM-wide	Public procurement: New vehicles, including low emission vehicles	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_38	Bus Quality Agreements	Agreements with bus operators on minimum engine standards in particular locations, or generally	Public procurement: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_39	Real Time Information	Real time information about transport direct to smart phones	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: Reduction in car journeys Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_40	Public Transport Subsidies	Public subsidy of socially necessary bus services that would not otherwise be provided on a commercial basis by bus operators	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduction in car journeys Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_41	Metrolink Expansion	Expansion of the tram network (which is zero emission at the point of use), including park and ride	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2016 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduction in car journeys Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_42	Local Sustainable Transport Fund Programme	Programme of new walk/cycle routes, cycle parking, an extensive Smarter Choices promotional campaign, measures for active traffic management (Bluetooth sensors) to reduce congestion	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: Reduction in car journeys Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Rochdale Metropolitan Borough Council_43	Cycle City Ambition Grant Programme ('Velocity')	Programme of 56 kms of largely segregated cycle routes, cycle parking, cycle promotion and work with schools. Within M60 ring.	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: Reduction in car journeys Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_44	Cycle City Ambition Grant ('Greater Manchester Cycle City 2025')	Expansion of original CCAG scheme above (NEW 2) to areas outside M60	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2018 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduction in car journeys Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_45	Better Bus Area Fund	Series of measures to improve the attractiveness of bus travel (bus priority, information, promotion)	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2015 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduction in car journeys Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_46	Bus Priority Package	40 kms of bus priority routes linking 3 corridors(from Leigh, Middleton and Didsbury) across central Manchester to allow more through journeys. The route from Leigh includes a 7 km guided busway.	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2015 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduction in car journeys Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_47	Trafford Park Metrolink	Metrolink extension to Trafford Park employment area and Trafford Centre sub-regional Shopping Centre	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2020 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduction in car journeys Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_48	Electric Vehicle Charging Points	Charging points for Electric vehicles at locations throughout GM	Public procurement: Other measure	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduction in CO2/NOx/PM Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_49	Park and Ride at rail stations	Park and ride at the following stations: Horwich (90), Cheadle Hulme (29), Guide Bridge (119), Irlam (60), Hazel Grove (100) and Hindley (28)	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2016 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduction in car mileage Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Rochdale Metropolitan Borough Council_50	Rail electrification	Electrification of Liverpool-Manchester (2015), Liverpool-Wigan (2015), Manchester-Preston (2017) and north TransPennine i.e. Manchester-Huddersfield (2018)	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2015 Expected end date: 2018 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduction in CO2/NOx/PM (faster journeys will attract more people out of cars) Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_51	Managed Motorway	Management of traffic flows J8 of M60 to J20 M62	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2017 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduced congestion and hence emissions Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_52	Northern Hub	Package of measures to increase capacity on the north of England rail network focussed on Manchester	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2018 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduction in CO2/NOx/PM (more capacity will attract more people out of cars) Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_53	Transport for Sustainable Communities: a guide for developers	Non-statutory guidance on maximising mode share of sustainable transport	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2013 Expected end date: 2013 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduction in CO2/NOx/PM10 Target emissions reduction: N/A
Rochdale Metropolitan Borough Council_54	Trial Pollution Barrier	Barrier at side of M62 in Rochdale area to reduce NOx	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Salford Metropolitan Borough Council_1	Awareness Campaigns Organise public events to increase knowledge and understanding of AQ issues.	N/A	Public information and Education: Other mechanisms	Implementation	Start date: 2004 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Salford Metropolitan Borough Council_2	Travel advice/info on local travel options.	City wide developments	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2007 Expected end date: 2012 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Increase in public transport / sustainable travel undertaken. Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_3	QBC bus corridors	Guided Busway	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 1990 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Increase bus patronage Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_4	Leigh/Salford/ Manchester QBC	LSM Busway / Cross City Vantage service	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2013 Expected end date: 2016 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve. Patronage approximately 50,000 per week
Salford Metropolitan Borough Council_5	A6 Chapel Street	N/A	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_6	Regent Road / Water Street junction	Measures to reduce queuing	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: Reduce queuing / improve traffic flow Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.

Measure code	Description	Focus	Classification	Status	Other information
Salford Metropolitan Borough Council_7	Improving Cycling awareness and Facilities. (E7)	Delivery of Growth Deal and Cycle City Ambition Grant (CCAG) programmes	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2025 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Increase cycling Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_8	Cycle parking facilities (E7)	Cycle parking facilities	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_9	Walking and Cycling Strategies (AQ3)	Cyclist Awareness scheme	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2013 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_10	Walking / Cycling (E7)	Cycle Centre at Salford Quays	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2012 Expected end date: 2015 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_11	Walking / Cycling (E7)	Cycle Routes to Salford Quays	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_12	Walking / Cycling (E7)	Inwell River Park	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: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.



Measure code	Description	Focus	Classification	Status	Other information
Salford Metropolitan Borough Council_13	Walking / Cycling (E7)	Promote cycle forum	Public information and Education: Other mechanisms	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_14	Walking / Cycling (E7)	Salford Cycle strategy / Cycle Network Development Plan	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2013 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_15	AQ4 Safe Routes to School and School Travel	Encourage schools to develop Travel Plans	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2010 Expected end date: 2010 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_16	Walking Cycling	Educate pupils on travel options	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_17	Green Travel Plans	Develop and co-ordinate Green Travel Plans within Salford.	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: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_18	Green Travel Plans	Media City	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: 45% of peak hour trips by none car mode. (ref) Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.

Measure code	Description	Focus	Classification	Status	Other information
Salford Metropolitan Borough Council_19	Salford Green Wheels	Implementation of sustainable travel incentives for staff	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: Reduction in business mileage and associated emissions
Salford Metropolitan Borough Council_20	Salford Car Club	Implementation of car club	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: Reduction in business mileage and associated emissions
Salford Metropolitan Borough Council_21	Smart Motorways. (AQ6 )	Smart Motorways Highways Agency. Managed Motorways	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2025 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Salford Metropolitan Borough Council_22	Traffic Management Plans (AQ7)	Crescent / Chapel St Traffic Calming master plan	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2012 Expected end date: 2013 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_23	Promoting Travel Alternatives	Promoting the extension of the Metrolink, quality bus corridors and improvements to rail and bus facilities.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2012 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Passenger patronage Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_24	Development Plans (UDP/ LDF) AQ8	Development of Salford's Local Plan	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2012 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.

Measure code	Description	Focus	Classification	Status	Other information
Salford Metropolitan Borough Council_25	Development Plans (UDP/ LDF) (AQ8 )	Promoting mixed use development	Other measure: Other measure	Implementation	Start date: 2004 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_26	AQ8 Development Plans (UDP/ LDF)	Major development proposals to demonstrate how they will minimise greenhouse gas emissions.	Other measure: Other measure	Implementation	Start date: 2008 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_27	Development Plans (UDP/ LDF) (AQ8 )	Promote sustainable freight and passenger movements using, where feasible, more rail or the Manchester Ship Canal.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2013 Expected end date: 2020 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_28	Development Plans (UDP/ LDF) (AQ8)	Air Quality Assessments (AQA) for planning applications	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_29	Energy Efficiency (AQ9)	Schools Energy Awareness Programme	Low emission fuels for stationary and mobile sources: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.

Measure code	Description	Focus	Classification	Status	Other information
Salford Metropolitan Borough Council_30	Energy Efficiency (AQ9)	Environmental Stewardship Initiative. Improve energy usage in Council buildings, schools, and recreational centres.	Low emission fuels for stationary and mobile sources: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_31	Energy Efficiency(AQ9)	Local Authority Carbon Management Programme	Low emission fuels for stationary and mobile sources: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_32	Energy Efficiency (AQ9)	Energy Performance in Building Directive	Low emission fuels for stationary and mobile sources: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_33	Energy Efficiency(AQ9)	Carbon Reduction Commitment Energy Efficiency Scheme	Low emission fuels for stationary and mobile sources: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_34	Energy Efficiency (AQ9)	Greenhouse Gas Emissions (Successor to NI185)	Low emission fuels for stationary and mobile sources: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Salford Metropolitan Borough Council_36	Energy Efficiency (AQ9)	Home Energy Strategy	Low emission fuels for stationary and mobile sources: Other measure	Implementation	Start date: 2014 Expected end date: 2016 Spatial scale: Whole Agglomeration Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_37	Energy Efficiency (AQ9)	Home Energy Conservation Act (HECA) Further Report	Low emission fuels for stationary and mobile sources: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Commercial and residential sources Indicator: Department for Business, Energy and Industrial Strategy (BEIS) Statistics Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_38	Energy Efficiency (AQ9)	Home insulation schemes to reduce energy consumption	Low emission fuels for stationary and mobile sources: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Commercial and residential sources Indicator: Number of homes insulated Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Salford Metropolitan Borough Council_39	Public Awareness / exposure	Publish live air quality information with health based index and historical results	Public information and Education: Internet	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Visitors to site Target emissions reduction: Emission reduction not quantified
Salford Metropolitan Borough Council_40	Public Awareness / exposure	Emission Inventory	Public information and Education: Internet	Implementation	Start date: 2014 Expected end date: 2015 Spatial scale: Whole Agglomeration Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Salford Metropolitan Borough Council_41	Public Awareness / exposure	Review and Assessment ( AQ modelling)	Public information and Education: Internet	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Commercial and residential sources Indicator: Regular assessment of local air quality Target emissions reduction: Emission reduction not quantified. Local hotspots identified by AQMA, enabling stricter assessment of development towards lower emissions
Salford Metropolitan Borough Council_42	Public Awareness	Develop air quality information on the internet.	Public information and Education: Internet	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole agglomeration Source affected: Transport Indicator: Visits to webpage Target emissions reduction: N/A
Salford Metropolitan Borough Council_43	Cleaner Vehicles (AQ11 )	Refuse vehicles replacement program .	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2013 Spatial scale: Whole town or city Source affected: Transport Indicator: Fleet EURO standards composition Target emissions reduction: Not estimated but air quality improvements are expected.
Salford Metropolitan Borough Council_44	Eco Driving (AQ11)	Better Driving Skills	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Lower fuel use and reduced emissions Target emissions reduction: Not estimated but air quality improvements are expected.
Salford Metropolitan Borough Council_45	Low Emission Vehicles (AQ11)	Electric Vehicles	Public procurement: Other measure	Other	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: Not estimated but air quality improvements are expected.

Measure code	Description	Focus	Classification	Status	Other information
Salford Metropolitan Borough Council_46	Green Space Development and Use( AQ13)	Tree planting in urban areas and open spaces to improve environment.	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 of trees planted Target emissions reduction: Not estimated but air quality improvements are expected.
Salford Metropolitan Borough Council_47	Environmental Protection (AQ14)	Prevent and minimise emissions to air of smoke and dust from garden bonfires, construction, wood burners and advice to local residents.	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: Not known but air quality improvements are expected.
Salford Metropolitan Borough Council_48	Industrial Controls (AQ15)	Assessment and Inspections of installations under IPPC	Permit systems and economic instruments: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Industry including heat and power production Indicator: Completion of inspections Target emissions reduction: Air quality improvements
Salford Metropolitan Borough Council_49	Promote low Emission Vehicles	No of Charge Points	Public procurement: Other measure	Implementation	Start date: 2014 Expected end date: 2015 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: No of Charge Points (CP) and usage Target emissions reduction: Not quantified but improvements in air quality expected.
Salford Metropolitan Borough Council_50	Staff Business Travel	Electric Vehicle Scheme	Public procurement: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Distanced travelled in electric vehicles as % of total business distance Target emissions reduction: Not quantified but improvements in air quality expected.

Measure code	Description	Focus	Classification	Status	Other information
Salford Metropolitan Borough Council_51	Cycling Cities	Increase Cycling trips	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: 10% trips by cycle in 2015 Target emissions reduction: Not quantified but improvements in air quality expected.
Salford Metropolitan Borough Council_52	Growth Deal 2	Cycling/ Pedestrian infrastructure	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2015 Expected end date: 2017 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Increase in footfall and cycling Target emissions reduction: Not quantified but improvements in air quality expected.
Salford Metropolitan Borough Council_53	Growth Deal 2 (Major works)	Cycling/ Pedestrian infrastructure	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2015 Expected end date: 2017 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Increase in footfall and cycling Target emissions reduction: Not quantified but improvements in air quality expected.
Salford Metropolitan Borough Council_54	Broadway Link	N/A	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: Reduce volumes of traffic on Eccles New Road. Target emissions reduction: Complete and open to traffic.
Salford Metropolitan Borough Council_55	Driver Awareness campaign	Driver Awareness campaign	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: Not quantified but improvements in air quality expected.



Measure code	Description	Focus	Classification	Status	Other information
Salford Metropolitan Borough Council_56	Online Cycle Route Journey Planner	Online Cycle Route Journey Planner	Public information and Education: Internet	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: Not quantified but improvements in air quality expected.
Salford Metropolitan Borough Council_57	'Walkit' online pedestrian route journey planner	'Walkit' online pedestrian route journey planner	Public information and Education: Internet	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: Not quantified but improvements in air quality expected.
Salford Metropolitan Borough Council_58	Safer Cycle networks	Safer Cycle networks	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: Not quantified but improvements in air quality expected.
Salford Metropolitan Borough Council_59	Safer Cycling	Safer Cycling	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: Not quantified but improvements in air quality expected.
Salford Metropolitan Borough Council_60	School Cycle Shelters	School Cycle Shelters	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: Not quantified but improvements in air quality expected.
Salford Metropolitan Borough Council_61	Walk to school initiatives promoted through travel plans	Walk to school initiatives promoted through travel plans	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2013 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: Not quantified but improvements in air quality expected.

Measure code	Description	Focus	Classification	Status	Other information
Salford Metropolitan Borough Council_62	Greater Manchester Workplace Strategy: implementation of Green Travel Plans.	Greater Manchester Workplace Strategy: implementation of Green Travel Plans.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2010 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: Not quantified but improvements in air quality expected.
Salford Metropolitan Borough Council_63	Salford Travel Partnership (STP)	Salford Travel Partnership (STP)	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: Not quantified but improvements in air quality expected.
Salford Metropolitan Borough Council_64	NOx Barrier	NOx Barrier	Other measure: Other measure	Other	Start date: 2009 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/a
Salford Metropolitan Borough Council_65	Metro Link extension.	Metrolink extension to Media City due to be operational by 2010.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: Not quantified but improvements in air quality expected.
Salford Metropolitan Borough Council_66	Energy Accreditation	Energy Accreditation	Other measure: Other measure	Other	Start date: 2011 Expected end date: 2011 Spatial scale: Whole Agglomeration Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: N/a
Salford Metropolitan Borough Council_67	Alternative Fuels Trial	Lowering vehicle emissions from the local authority fleet	Other measure: Other measure	Implementation	Start date: 2017 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Emissions results from alternative fuel trial Target emissions reduction: Emission reduction not quantified as yet but air quality is expected to improve.

Measure code	Description	Focus	Classification	Status	Other information
Salford Metropolitan Borough Council_68	Park and Ride Scheme	Salford A580 Park and Ride Scheme	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2012 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Patronage Target emissions reduction: Emission reduction not quantified but air quality is expected to improve.
Sefton Metropolitan Borough Council_AQMA 1 No 1	A565 RMS Action Plan	Reduce emissions by measures in the A565 Route Management Strategy Action Plan to ease congestion	Traffic planning and management: Other measure	Implementation	Start date: 2009 Expected end date: 2012 Spatial scale: Local Source affected: Transport Indicator: Compliance with the PM10 air quality Objectives. Target emissions reduction: Difficult to estimate no target set
Sefton Metropolitan Borough Council_AQMA 2 No 1	Port booking system	Reduce emissions using efficient HGV booking system	Traffic planning and management: Other measure	Implementation	Start date: 2009 Expected end date: 2009 Spatial scale: Local Source affected: Transport Indicator: Feedback on effectiveness of booking system via Port liaison meetings. Target emissions reduction: Difficult to estimate no target set
Sefton Metropolitan Borough Council_AQMA 2 No 2	Port mitigation	Offset emissions from HGVs due to port expansion	Traffic planning and management: Other measure	Planning	Start date: 2016 Expected end date: 2022 Spatial scale: Local Source affected: Transport Indicator: Compliance with the NO2 air quality Objectives. Measure implemented to timescale. Target emissions reduction: Difficult to estimate no target set
Sefton Metropolitan Borough Council_AQMA 2 No 3	EcoStars fleet recognition	Reduce emissions from HGVs using port access routes	Other measure: Other measure	Implementation	Start date: 2013 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: Number of operators recruited to scheme Target emissions reduction: Difficult to estimate no target set

Measure code	Description	Focus	Classification	Status	Other information
Sefton Metropolitan Borough Council_AQMA 3 No 1	Hurry Call	Reduce emissions by facilitating HGVs passage through traffic lights on incline at Millers Bridge	Traffic planning and management: Other measure	Implementation	Start date: 2011 Expected end date: 2011 Spatial scale: Local Source affected: Transport Indicator: Number of activations of hurry call outside peak hours Target emissions reduction: Difficult to estimate no target set
Sefton Metropolitan Borough Council_AQMA 3 No 2	Regulatory control Port Industry	Reduce dust emissions from Port Industrial processes	Permit systems and economic instruments: Other measure	Implementation	Start date: 2011 Expected end date: 2011 Spatial scale: Local Source affected: Transport Indicator: Compliance results from Local Authority and Environment Agency site inspection visits to permitted industrial sites within the Port of Liverpool and the number of exceedances of the PM10 daily mean standard when predominantly north westerly winds. Target emissions reduction: Difficult to estimate no target set
Sefton Metropolitan Borough Council_AQMA 4 No 1	A565 RMS Action Plan	Reduce emissions by measures in A565 Route Management Strategy Action Plan to ease congestion	Traffic planning and management: Other measure	Implementation	Start date: 2009 Expected end date: 2016 Spatial scale: Local Source affected: Transport Indicator: Compliance with the NO2 air quality Objectives. RMS actions implemented to timescale. Target emissions reduction: Difficult to estimate no target set
Sefton Metropolitan Borough Council_AQMA 5 No 1	Port mitigation	Offset emissions from HGVs due to Port expansion	Traffic planning and management: Other measure	Planning	Start date: 2016 Expected end date: 2022 Spatial scale: Local Source affected: Transport Indicator: Compliance with the NO2 air quality Objectives. Target emissions reduction: Difficult to estimate no target set
Sefton Metropolitan Borough Council_AQMA 5 No 2	EcoStars fleet recognition	Reduce emissions from HGVs using Port access routes	Other measure: Other measure	Implementation	Start date: 2013 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: Number of operators recruited to scheme Target emissions reduction: Difficult to estimate no target set

Measure code	Description	Focus	Classification	Status	Other information
Sefton Metropolitan Borough Council_GM1	Optimisation of SCOOT	Reduce emissions by optimising SCOOT system	Traffic planning and management: Other measure	Implementation	Start date: 2010 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: Optimisation of SCOOT Target emissions reduction: Difficult to estimate no target set
Sefton Metropolitan Borough Council_GM2	AQ information using VMS	Reduce emissions using message boards to ease congestion	Public information and Education: Other mechanisms	Implementation	Start date: 2013 Expected end date: 2013 Spatial scale: Local Source affected: Transport Indicator: Ensure system operating effectively Target emissions reduction: Difficult to estimate no target set
Sefton Metropolitan Borough Council_GM3	Work place travel plans	Reduce emissions through travel plans	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2010 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: Number of work place travel plans implemented Target emissions reduction: Difficult to estimate no target set
Sefton Metropolitan Borough Council_GM4	School travel plans	Reduce emissions through travel plans	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2010 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: Percentage of schools in Sefton with a travel plan. Target emissions reduction: Difficult to estimate no target set
Sefton Metropolitan Borough Council_GM5	Encourage walking & cycling	Reduce emissions by encouraging cycling and walking	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2010 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: Increase in participation. Target emissions reduction: Difficult to estimate no target set

Measure code	Description	Focus	Classification	Status	Other information
Sefton Metropolitan Borough Council_GM6	Land use planning system	Mitigate emissions through planning system	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2010 Spatial scale: Local Source affected: Other, please specify Indicator: Percentage of planning permissions granted where the submitted air quality assessment shows no action was required or the air quality impact of a development was mitigated. Target emissions reduction: Difficult to estimate no target set
Sefton Metropolitan Borough Council_GM7	Low Emission Strategy measures	Mitigate/reduce emissions through low emissions strategies	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: Number of LES measures implemented Target emissions reduction: Difficult to estimate no target set
Sefton Metropolitan Borough Council_GM8	Tree planting	Reduce emissions by planting trees	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: Number of trees planted within AQMA. Compliance with the PM10 air quality Objectives Target emissions reduction: Difficult to estimate no target set
Sefton Metropolitan Borough Council_GM9	AQ awareness	Reduce emissions through awareness information & education	Public information and Education: Internet	Implementation	Start date: 2010 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: Maintenance of Sefton Council air quality website. Number of AQ awareness events held. Target emissions reduction: Difficult to estimate no target set
Sefton Metropolitan Borough Council_GM10	Freight Quality Partnership	Reduce emissions from freight	Traffic planning and management: Freight transport measure	Implementation	Start date: 2010 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: Number of meetings held. Number of AQ initiatives undertaken Target emissions reduction: Difficult to estimate no target set

Measure code	Description	Focus	Classification	Status	Other information
Sefton Metropolitan Borough Council_GM11	Taxi Quality Partnership	Reduce emissions from taxis	Permit systems and economic instruments: Introduction/increase of environment taxes	Implementation	Start date: 2013 Expected end date: 2013 Spatial scale: Local Source affected: Transport Indicator: Number of operators participating Target emissions reduction: Difficult to estimate no target set
Sefton Metropolitan Borough Council_AQMA 1 No 2	Intensive road cleaning/pavement washing	Reduce dust resuspension	Traffic planning and management: Other measure	Implementation	Start date: 2011 Expected end date: 2013 Spatial scale: Local Source affected: Transport Indicator: Comparison of ratio of PM10 levels at site within AQMA to background site Target emissions reduction: Difficult to estimate no target set
Sefton Metropolitan Borough Council_AQMA 2 No 4	ANPR study	Gain information on HGV fleet using A5036 to inform action plan	Traffic planning and management: Other measure	Implementation	Start date: 2012 Expected end date: 2012 Spatial scale: Local Source affected: Transport Indicator: Analysis of information and interpretation of data to further inform Action Plan. Target emissions reduction: Information gathering exercise
Sefton Metropolitan Borough Council_AQMA 3 No 3	Intensive road cleaning/pavement washing	Reduce dust resuspension	Traffic planning and management: Other measure	Implementation	Start date: 2010 Expected end date: 2013 Spatial scale: Local Source affected: Industry including heat and power production Indicator: Comparison of ratio of PM10 levels at site within AQMA to background site Target emissions reduction: Difficult to estimate no target set
Sefton Metropolitan Borough Council_1	Feasibility Study for Natural Gas and other alternative fuels refuelling facilities in the Liverpool City Region	Reducing emissions from HGVs on Port access routes	Traffic planning and management: Freight transport measure	Preparation	Start date: 2015 Expected end date: 2015 Spatial scale: Whole agglomeration Source affected: Transport Indicator: Recommendations will be made by consultant in study report Target emissions reduction: Not estimated but savings greater than 80% NOx & PM10 emissions savings by HGVs running on LNG compared to diesel

Measure code	Description	Focus	Classification	Status	Other information
South Lakeland District Council_1	Local Transport Plan 3 / Kendal road network alterations / sustainable transport measures	Define transport infrastructure needs within LTP3 necessary to deliver a sustainable and deliverable Local Plan (LP) and obviate and / or mitigate the adverse impacts of traffic growth in Kendal. To be implemented through developer contributions via Section 106 Agreements and then adopted CIL-proposed housing allocations will be expected to make contributions based on pro-rata calculation of the whole costs for all the measures. Separate package of schemes to be implemented . Links to B1	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2025 Spatial scale: Whole town or city Source affected: Transport Indicator: AADT in Kendal town centre. Progress of implementation of works to be monitored through the Local Plan Annual Monitoring Report Target emissions reduction: Aim is for development to cause no increase in levels and ideally reduce.
South Lakeland District Council_2	Local Sustainable Transport Fund (LSTF) bid	Package of sustainable transport measures aimed at visitors to the Lake District, to improve walking, cycling & public transport, benefiting the environment, health and the local economy. As the project develops, if opportunities for it to extend to Kendal arise then these will be explored.	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: Reduction in visitor travel by car in Lake District. Target emissions reduction:
South Lakeland District Council_3	Kendal Park and Walk Project	Consider Town Centre car parking provision and explore opportunities for long stay and seasonal parking, advertised as Park and Walk, on the outskirts of Kendal. Develop and publicise 'Park and Walk' initiatives around the outskirts of Kendal to encourage parking slightly away from the Town Centre. A brand, signage, leaflets and advertising will inform visitors and residents about the scheme which will also encourage local people to walk more often by highlighting distance, time taken and health benefits	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2012 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of park & walk spaces available; number of spaces used Target emissions reduction: N/A
South Lakeland District Council_4	Encouraging uptake of alternative fuel vehicles	Electric hook-up points for charging electric vehicles where an ongoing need is identified, following Lake District National Park Authority (LDNPA) trial.	Public procurement: New vehicles, including low emission vehicles	Other	Start date: 2012 Expected end date: 2013 Spatial scale: Local Source affected: Transport Indicator: Number of electric hook-ups installed Target emissions reduction: N/A



Measure code	Description	Focus	Classification	Status	Other information
South Lakeland District Council_5	Encouraging uptake of alternative fuel vehicles	Reduction in parking permit fee by 50 for A rated vehicles trialed from 1 April 2011.	Traffic planning and management: Differentiation of parking fees	Other	Start date: 2011 Expected end date: 2011 Spatial scale: Local Source affected: Transport Indicator: Number of reduced fee permits issued Target emissions reduction: N/A
South Lakeland District Council_6	Enforcement of parking / loading restrictions	Appropriate enforcement of on-street parking restrictions within AQMA, especially at peak times, to reduce congestion caused by restriction of roads.	Traffic planning and management: Management of parking places	Other	Start date: 2011 Expected end date: 2011 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of Penalty Charge Notices Target emissions reduction: N/A
South Lakeland District Council_7	Enforcement of weight restrictions	Targeted enforcement of 18T weight restriction on Kirkland / Highgate / Lowther Street through joint operation with SLDC, Police & VOSA. (HGV'S have disproportionately large contribution to NO2 levels)	Traffic planning and management: Other measure	Other	Start date: 2011 Expected end date: 2012 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of vehicles >18T stopped in restricted area; Total HGV numbers in AQMA Target emissions reduction: N/A
South Lakeland District Council_8	Kendal Car Club	Pool cars available in Kendal for Car Club members to use.	Other measure: Other measure	Other	Start date: 2009 Expected end date: 2011 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of people who are members of the Car Club Target emissions reduction: N/A
South Lakeland District Council_9	SCOOT traffic control	SCOOT to be installed on Blackhall Road & Sandes Avenue to allow controlled flow of traffic, easing congestion. To be rolled out to other road sections if successful.	Traffic planning and management: Other measure	Evaluation	Start date: 2009 Expected end date: 2011 Spatial scale: Local Source affected: Transport Indicator: Reduction in waiting time at junctions Target emissions reduction: N/A
South Lakeland District Council_10	Green walls, roofs and planting	A recent study has shown vegetation can produce a potential 30% reduction in NOx levels, along with other benefits. To investigate the planting of green walls, roofs and other vegetation in Kendal town centre and install where viable.	Traffic planning and management: Other measure	Other	Start date: 2012 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: NO2 levels at town centre locations Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
South Lakeland District Council_11	Installation of 'pollutant eating' block paving	Installation of Noxer block paving on Highgate. Studies have shown a potential reduction in NOx levels following introduction of paving. Paving absorbs NOx using sunlight and titanium dioxide to render harmless by converting to nitrate which is washed away by rainfall.	Traffic planning and management: Other measure	Evaluation	Start date: 2011 Expected end date: 2012 Spatial scale: Local Source affected: Transport Indicator: NO2 levels on Highgate Target emissions reduction: N/A
South Lakeland District Council_12	Travel Plans /S106 /Community Infrastructure Levy (CIL) Links with A1 and B3	All developments above a threshold required to produce a Travel Plan. Aim for 10% reduction in travel mileage or fee payable by way of money held in trust. Travel Plans are identified as a measure in the Kendal Transport Improvements Study as one of the package of Kendal Transport Improvements measures required to allow Kendal's highway network to support the LP proposals. S.106 agreements currently used to require money to be put in trust to be used to fund actions in the Air Quality Action Plan or Kendal Transport Improvement Study, to mitigate against any predicted increases in NO2 caused by the development currently being used.	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2013 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of developments with money in trust against effectiveness of Travel Plans. To be monitored through the Local Plan Annual Monitoring Report Target emissions reduction: N/A
South Lakeland District Council_13	Publicity / social media marketing campaign	Use of general media and SLDC, CCC & KTC residents newsletters to publicise behavioural change in South Lakeland. Focus on personal gains from increased walking / cycling / use of public transport / car sharing.	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2011 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Increase in walking, cycling & public transport use; Reduction in AADT. Target emissions reduction: N/A
South Lakeland District Council_14	SLDC Travel & CCC Travel Plan (Better Places for Work - BP4W)	Lead by example & reduce business travel (fleet and staff vehicles) for SLDC with aim to reduce car travel by 10%. Liaise with CCC on their introduction of BP4W at CCC Kendal offices and share experience	Traffic planning and management: Encouragement of shift of transport modes	Other	Start date: 2010 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction in work miles & CO2 emissions Target emissions reduction: N/A
South Lakeland District Council_15	Kendal Master Plan	N/A	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: Master Plan in place; measures implemented Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
South Lakeland District Council_16	Control of HGVs & on Lowther Street	N/A	Traffic planning and management: Freight transport measure	Implementation	Start date: 2016 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: % HGV on Lowther Street Target emissions reduction: N/A
South Lakeland District Council_17	Reducing bus emissions	N/A	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: Number of buses using Kendal town centre of Euro Std. 6 Number of buses using Lowther Street Target emissions reduction: N/A
South Lakeland District Council_18	Implement-ation of Kendal sustainable transport measures	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2017 Expected end date: 2017 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of schemes completed Target emissions reduction: N/A
South Lakeland District Council_19	Car parking review (including Park and Walk / Park and Cycle)	N/A	Traffic planning and management: Other measure	Planning	Start date: 2017 Expected end date: 2017 Spatial scale: Whole town or city Source affected: Transport Indicator: Town Centre AADT's; car park usage figures Target emissions reduction: N/A
South Lakeland District Council_20	Kendal Strategic Transport Infrastructure Study	N/A	Traffic planning and management: Encouragement of shift of transport modes	Planning	Start date: N/A Expected end date: N/A Spatial scale: Whole town or city Source affected: Transport Indicator: Strategic Study completed and measures delivered Target emissions reduction: N/A
South Lakeland District Council_21	Public electric vehicle charging points	N/A	Public procurement: Other measure	Implementation	Start date: 2016 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of EV charging points installed Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
South Lakeland District Council_22	Reduced price parking / parking permits for cleaner vehicles	N/A	Traffic planning and management: Differentiation of parking fees	Evaluation	Start date: 2011 Expected end date: 2011 Spatial scale: Local Source affected: Transport Indicator: No. of reduced price parking permits issued Target emissions reduction: N/A
South Lakeland District Council_23	Enforcement of parking / loading restrictions	N/A	Traffic planning and management: Management of parking places	Evaluation	Start date: 2011 Expected end date: 2011 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of PCN's served Target emissions reduction: N/A
South Lakeland District Council_24	Encouraging walking	N/A	Traffic planning and management: Other measure	Implementation	Start date: 2017 Expected end date: 2017 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of cars using Park and Walk sites Target emissions reduction: N/A
South Lakeland District Council_25	Encouraging cycling, enhanced cycle routes and cycle parking in Kendal	N/A	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2016 Expected end date: 2017 Spatial scale: Whole town or city Source affected: Transport Indicator: Length of cycleway; number of cycle stands installed; cycle counts Target emissions reduction: N/A
South Lakeland District Council_26	Reducing taxi emissions	N/A	Permit systems and economic instruments: Introduction/increase of environment taxes	Evaluation	Start date: 2015 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: Policy in place. % of licensed taxis of Euro Standard 6 Target emissions reduction: N/A
South Lakeland District Council_27	Go Easy campaign & SLDC Active Travel	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2016 Expected end date: N/A Spatial scale: Whole town or city Source affected: Transport Indicator: Number of active travel projects completed. Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
South Lakeland District Council_29	Planning policy prioritises air quality (Local Plan Policy)	N/A	Other measure: Other measure	Implementation	Start date: 2016 Expected end date: N/A Spatial scale: Whole town or city Source affected: Transport Indicator: CIL liabilities, CIL receipts, CIL spending decisions. Adoption of new policies Target emissions reduction: N/A
South Lakeland District Council_30	20 mile per hour zones in Kendal	N/A	Traffic planning and management: Reduction of speed limits and control	Planning	Start date: N/A Expected end date: N/A Spatial scale: Whole town or city Source affected: Transport Indicator: Number of 20mph zones Target emissions reduction: N/A
South Lakeland District Council_31	Enhanced green infra-structure	N/A	Traffic planning and management: Other measure	Planning	Start date: N/A Expected end date: N/A Spatial scale: Local Source affected: Transport Indicator: Number of projects completed Target emissions reduction: N/A
South Ribble Borough Council_1	Strategic road network improvements	Reduce traffic congestion	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2024 Spatial scale: Whole town or city Source affected: Transport Indicator: - Target emissions reduction: -
South Ribble Borough Council_2	Improvements to Local Railway station	Improved Public transport	Traffic planning and management: Improvement of public transport	Other	Start date: 2014 Expected end date: 2030 Spatial scale: National Source affected: Transport Indicator: N/A Target emissions reduction: N/A
South Ribble Borough Council_3	Improved cycle routes	Traffic reduction	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Other	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
South Ribble Borough Council_4	Bike ability	Increase cycling and cycling awareness in children	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: 30 schools and 35 primary schools targeted for bike training Target emissions reduction: -

Measure code	Description	Focus	Classification	Status	Other information
South Ribble Borough Council_5	Electric vehicle recharge points	Alternative fuelled vehicles	Public procurement: Other measure	Planning	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
South Ribble Borough Council_6	Public awareness strategy	Reduce private car use	Traffic planning and management: Encouragement of shift of transport modes	Planning	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
South Ribble Borough Council_7	Promote business travel plans and alternative routes	N/A	Traffic planning and management: Other measure	Preparation	Start date: 2015 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
South Ribble Borough Council_8	Improve cycle storage provision across the borough	Alternative transport	Traffic planning and management: Encouragement of shift of transport modes	Planning	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
St Helens Metropolitan Borough Council_1	Acoustic Barrier	N/A	Traffic planning and management: Other measure	Evaluation	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Monitored results Target emissions reduction: Medium
St Helens Metropolitan Borough Council_2	Use of hard shoulder running	N/A	Traffic planning and management: Other measure	Evaluation	Start date: 2014 Expected end date: 2014 Spatial scale: Whole agglomeration Source affected: Transport Indicator: Monitored results Target emissions reduction: Medium
St Helens Metropolitan Borough Council_3	Traffic Regulation Order	N/A	Traffic planning and management: Other measure	Other	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Monitored results Target emissions reduction: N/A
St Helens Metropolitan Borough Council_4	Vehicle Idling	N/A	Public information and Education: Leaflets	Preparation	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Monitored results Target emissions reduction: Low

Measure code	Description	Focus	Classification	Status	Other information
St Helens Metropolitan Borough Council_5	Optimise flow on key routes	N/A	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: Monitored results Target emissions reduction: Low
St Helens Metropolitan Borough Council_6	Travel awareness campaign	N/A	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2012 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Uptake Target emissions reduction: Low
St Helens Metropolitan Borough Council_7	Freight quality partnership	N/A	Traffic planning and management: Freight transport measure	Implementation	Start date: 2013 Expected end date: 2016 Spatial scale: National Source affected: Transport Indicator: Uptake and monitored results Target emissions reduction: Low
St Helens Metropolitan Borough Council_8	Green Council fleet	N/A	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Annual fuel records Target emissions reduction: Low
St Helens Metropolitan Borough Council_9	Green taxi fleet	N/A	Other measure: Other measure	Planning	Start date: 2016 Expected end date: 2024 Spatial scale: Whole town or city Source affected: Transport Indicator: Calculated Target emissions reduction: Low
St Helens Metropolitan Borough Council_10	Supplementary planning guidance	N/A	Other measure: Other measure	Preparation	Start date: 2016 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Monitored results Target emissions reduction: Medium
St Helens Metropolitan Borough Council_11	Raise awareness of AQ issues	N/A	Public information and Education: Other mechanisms	Implementation	Start date: 2012 Expected end date: 2030 Spatial scale: Whole town or city Source affected: Other, please specify Indicator: Monitored results Target emissions reduction: Low

Measure code	Description	Focus	Classification	Status	Other information
Stockport Metropolitan Borough Council_1	Delivery of SEMMMS Relief Road	Reduction of use of other roads and so emissions on those roads in AQMA to decrease.	Traffic planning and management: Other measure	Implementation	Start date: 2015 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: Emissions will be displaced away from receptor points within the AQMA along the A6 in the south of Stockport. Including removal of some freight off local road network.
Stockport Metropolitan Borough Council_2	Walking promotion	Increase knowledge of opportunities to walk and so encourage walking.	Public information and Education: Other mechanisms	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <0.5%
Stockport Metropolitan Borough Council_3	Promotion of uptake of cleaner fuels: Emission standards through A6 Quality Bus Partnership	N/A	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2012 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: 29% reduction in NOx and 44% reduction in primary NO2 emissions from 192 and 191 bus services. This takes account of sampled bus speeds at ATC sites. This is equivalent to approx. 6.4% and 6.8% reduction in total road traffic emissions of NOx and primary NO2 respectively.
Stockport Metropolitan Borough Council_4	Cycling promotion	Promoting use of cycles for Journeys under 5km	Public information and Education: Leaflets	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: <0.5%
Stockport Metropolitan Borough Council_5	Review of Stockport Sustainable Travel Plan	Reduction of single occupancy vehicle use	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2007 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: Action will have a positive effect on air quality but it is difficult to measure or there is no data



Measure code	Description	Focus	Classification	Status	Other information
Stockport Metropolitan Borough Council_6	School Travel Plans	Implement and facilitate travel plans for Schools.	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: <0.5%However, localised air quality improvements at school entrances will be significant
Stockport Metropolitan Borough Council_7	Enforcement of Part A and B Industrial processes.	N/A	Other measure: Other measure	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Industry including heat and power production Indicator: N/A Target emissions reduction: Action will have a positive effect on air quality but it is difficult to measure or there is no data
Stockport Metropolitan Borough Council_8	Promotion of uptake of cleaner fuels: Plugged in Places	Provision of Electric charging points	Public procurement: Other measure	Implementation	Start date: 2013 Expected end date: 2013 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: Market forecasts suggest that there will be no measurable reductions from electric vehicle promotion in the short term. However, this is a fundamental stage in the long term strategy to enable a shift away from Internal Combustion Engine based technology, and ultimately decarbonisation of road transport
Stockport Metropolitan Borough Council_9	Integrated Transport Corridors (ITC)	Provision of improved bus walking and cycling routes on key corridors.	Traffic planning and management: Improvement of public transport	Other	Start date: 2008 Expected end date: 2011 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Stockport Metropolitan Borough Council_10	Use of cleaner and alternative fuels by council fleet.	Continue to reduce air quality effecting emissions associated with the Council's fleet.	Other measure: Other measure	Implementation	Start date: 2008 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
Stockport Metropolitan Borough Council_11	Implement Travel Plans and Smarter Choice Initiatives	Help local businesses produce Travel Plans	Public procurement: Other measure	Planning	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Stockport Metropolitan Borough Council_12	Tree management strategy to be developed for Mar 2009.	N/A	Other measure: Other measure	Implementation	Start date: 2009 Expected end date: 2030 Spatial scale: Local Source affected: Other, please specify Indicator: Tree cover has not declined in the Borough and is deemed to be at an adequate level. Target emissions reduction: N/A
Stockport Metropolitan Borough Council_13	Safer Routes to School (20mph speed limit zones)	Improvement of safety of walking and cycling near schools including 20mph zones when appropriate.	Traffic planning and management: Reduction of speed limits and control	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Stockport Metropolitan Borough Council_14	Environmental Protection (AQ14)	Prevent and minimise emissions to air of smoke and dust from garden bonfires, construction wood burners and advice to local residents.	Other measure: Other measure	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Commercial and residential sources Indicator: N/A Target emissions reduction: Not known but air quality improvements are expected.
Stockport Metropolitan Borough Council_15	Industrial Controls (AQ15)	Assessment and Inspections of installations under IPPC	Permit systems and economic instruments: Other measure	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Industry including heat and power production Indicator: Completion of inspections Target emissions reduction: Air quality improvements
Stockport Metropolitan Borough Council_16	Sustainable Transport Supplementary Planning Document	Documents advise developers on the ways to implement transport options in their development.	Other measure: Other measure	Implementation	Start date: 2008 Expected end date: 2008 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Stockport Metropolitan Borough Council_17	Rights of Way Improvement Plan	Long term plan to improve PROW to increase usage for recreational and utility.	Other measure: Other measure	Implementation	Start date: 2007 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Stockport Metropolitan Borough Council_18	Stockport Interchange	Encourage use of public transport	Traffic planning and management: Improvement of public transport	Planning	Start date: 2014 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: Increased bus patronage Target emissions reduction: N/A
Stockport Metropolitan Borough Council_19	Increased pedestrianisation of Town Centre Core	Encourage use of Public Transport Walking and Cycling	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: N/A Target emissions reduction: N/A
Stockport Metropolitan Borough Council_20	Improved walking and cycling opportunities in the Borough	Reduce severance, implement new routes and improve existing routes to encourage walking and cycling	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2008 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: Increased number of walking and cycling users of the network.
Stockport Metropolitan Borough Council_21	Encouraging Employment opportunities near public transport corridors.	Encourage public transport use	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: Increased public transport use
Stockport Metropolitan Borough Council_22	Station Travel Planning and investment via planning	Encourage rail use and active travel to rail stations	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2007 Expected end date: 2018 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: Increased number of walking and cycling users of the network.

Measure code	Description	Focus	Classification	Status	Other information
Stockport Metropolitan Borough Council_23	Improvements to District and Local Centres to encourage people to Shop Local/ Access them by Walking and Cycling	Encourage use of Public Transport Walking and Cycling	Traffic planning and management: Other measure	Implementation	Start date: 2007 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: Increased number of walking and cycling users of the network. Increase local centre footfall.
Tameside Metropolitan Borough Council_1	Metrolink Eastern Extension	N/A	Traffic planning and management: Improvement of public transport	Evaluation	Start date: 2013 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Tameside Metropolitan Borough Council_2	A671 A627 Rochdale Oldham Ashton-under-Lyne Hyde Quality Bus Corridor and A627 A560 Hyde Stockport Quality Bus Corridor.	N/A	Traffic planning and management: Improvement of public transport	Evaluation	Start date: 2009 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Tameside Metropolitan Borough Council_3	A635 Manchester/Ashton-under-Lyne /Stalybridge Quality Bus Corridor	N/A	Traffic planning and management: Improvement of public transport	Evaluation	Start date: 2009 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Tameside Metropolitan Borough Council_4	A57 Manchester/Denton/Hyde Quality Bus Corridor.	N/A	Traffic planning and management: Improvement of public transport	Evaluation	Start date: 2010 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Tameside Metropolitan Borough Council_5	Ashton Northern Bypass	N/A	Traffic planning and management: Other measure	Evaluation	Start date: 2012 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Tameside Metropolitan Borough Council_6	Examine the potential for Metrolink 'Park and Ride' at Ashton Moss	N/A	Traffic planning and management: Improvement of public transport	Evaluation	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
Tameside Metropolitan Borough Council_7	A57/A628 Mottram to Tintwistle Bypass and Glossop Spur Local Road Element.	N/A	Traffic planning and management: Other measure	Preparation	Start date: 2009 Expected end date: 2020 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Tameside Metropolitan Borough Council_8	SEMMMS 'transport change' measures	N/A	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2006 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Tameside Metropolitan Borough Council_9	Improved pedestrian/cycling environment	N/A	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2009 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Tameside Metropolitan Borough Council_10	Home Zones	N/A	Traffic planning and management: Reduction of speed limits and control	Evaluation	Start date: 2009 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Tameside Metropolitan Borough Council_11	Develop local authority travel plan	N/A	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2009 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Tameside Metropolitan Borough Council_12	Facilitate company travel plans	N/A	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2009 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Tameside Metropolitan Borough Council_13	Facilitate school travel plans.	N/A	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2009 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Tameside Metropolitan Borough Council_14	Investigate feasibility of LPG / alternative fuels for Council fleet	N/A	Other measure: Other measure	Other	Start date: 2009 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
Tameside Metropolitan Borough Council_15	Ensure that the Councils vehicle fleet is properly maintained and operating efficiently	N/A	Other measure: Other measure	Other	Start date: 2009 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Trafford Metropolitan Borough Council_1	Use of cleaner and alternative fuels by council fleet	N/A	Other measure: Other measure	Implementation	Start date: 2003 Expected end date: 2014 Spatial scale: Local Source affected: Other, please specify Indicator: Reduce NOx, PM10 Target emissions reduction: N/A
Trafford Metropolitan Borough Council_2	Sustainable School Travel.	Promoting travel alternatives	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2003 Expected end date: 2015 Spatial scale: Local Source affected: Other, please specify Indicator: Reduce NOx, PM10 Target emissions reduction: N/A
Trafford Metropolitan Borough Council_3	Encourage local employers and industrial park organisations to use alternative fuels for vehicle fleet.	Efficiency of vehicle fleet	Other measure: Other measure	Implementation	Start date: 2003 Expected end date: 2014 Spatial scale: Local Source affected: Commercial and residential sources Indicator: Reduce NOx, PM10 Target emissions reduction: N/A
Trafford Metropolitan Borough Council_4	Work from home schemes for employees.	Travel alternatives	Other measure: Other measure	Implementation	Start date: 2010 Expected end date: 2014 Spatial scale: Local Source affected: Other, please specify Indicator: Reduce NOx, PM10 Target emissions reduction: N/A
Trafford Metropolitan Borough Council_5	Cycle parking facilities improved for staff.	Travel alternatives	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2003 Expected end date: 2014 Spatial scale: Local Source affected: Other, please specify Indicator: Reduce NOx, PM10 Target emissions reduction: N/A
Trafford Metropolitan Borough Council_6	Subsidised Public Transport for Council Employees	Travel alternatives	Traffic planning and management: Encouragement of shift of transport modes	Evaluation	Start date: 2003 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Reduce NOx and PM10 Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Trafford Metropolitan Borough Council_7	Develop a car sharing scheme for employees	Travel alternatives	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2003 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Reduce NOx and PM10 Target emissions reduction: N/A
Trafford Metropolitan Borough Council_8	Encourage main businesses within the Borough to develop green travel plans	Greener Transport	Public procurement: Other measure	Implementation	Start date: 2003 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Reduce NOx and PM10 Target emissions reduction: N/A
Trafford Metropolitan Borough Council_9	Development plans-Production of a guide for assessing planning applications with regard to air quality.	Guidance	Other measure: Other measure	Implementation	Start date: 2003 Expected end date: 2014 Spatial scale: Whole agglomeration Source affected: Other, please specify Indicator: Reduce NOx and PM10 Target emissions reduction: N/A
Trafford Metropolitan Borough Council_10	Liaise with Licensing to impose conditions requiring taxis to fulfil specific emission standards.	Reducing taxi emissions	Permit systems and economic instruments: Introduction/increase of environment taxes	Implementation	Start date: 2003 Expected end date: 2014 Spatial scale: Whole agglomeration Source affected: Transport Indicator: Reduce NOx and PM10 Target emissions reduction: N/A
Trafford Metropolitan Borough Council_11	Public awareness exercises	Public information	Public information and Education: Internet	Implementation	Start date: 2003 Expected end date: 2014 Spatial scale: Whole agglomeration Source affected: Commercial and residential sources Indicator: Reduce NOx and PM10 Target emissions reduction: N/A
Trafford Metropolitan Borough Council_12	Checking vehicle emissions in areas within the Borough. Cleaner Vehicles Campaign	Vehicle Emissions Testing	Other measure: Other measure	Implementation	Start date: 2003 Expected end date: 2011 Spatial scale: Whole agglomeration Source affected: Transport Indicator: Reduce NOx, PM10 Target emissions reduction: N/A
Warrington Borough Council_1	Establish a method and programme of audits to identify where key highway corridors are not operating as efficiently as they could be and the reasons for this. Implementation of route management plans	Improve flows and congestion, reducing emissions.	Traffic planning and management: Other measure	Implementation	Start date: 2011 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: Journey times Target emissions reduction: 0.01

Measure code	Description	Focus	Classification	Status	Other information
Warrington Borough Council_2	Place restrictions on parking and loading where the presence of stationary vehicles interferes with the free-flow of traffic on key highways. Enforcement to begin.	Improve flows and congestion, reducing emissions.	Traffic planning and management: Other measure	Implementation	Start date: 2011 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Journey times Target emissions reduction: <1%
Warrington Borough Council_3	Review and amend existing policies on selective priority lanes (Bus, cycle, taxi)	Improve flows for alternative transport to passenger vehicle	Traffic planning and management: Other measure	Implementation	Start date: 2011 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Journey times Target emissions reduction: 0.01
Warrington Borough Council_4	Junction and traffic light improvement in Parker Street AQMA	Improve flows within AQMA	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2010 Expected end date: 2010 Spatial scale: Local Source affected: Transport Indicator: Journey times Target emissions reduction: 0.01
Warrington Borough Council_5	Junction improvements on Sankey Way Bus Lanes	Improve flows through AQMA and encourage bus use	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2013 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Journey times Target emissions reduction: 0.01
Warrington Borough Council_6	Smarter Choices Campaign	Promote sustainable transport	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2012 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: Work place and private take up Target emissions reduction: 0.01
Warrington Borough Council_7	Planning guidance on travel plans and air quality impacts	Aimed at developers	Other measure: Other measure	Implementation	Start date: 2013 Expected end date: 2026 Spatial scale: Whole town or city Source affected: Transport Indicator: Planning application conditions Target emissions reduction: <1%
Warrington Borough Council_8	Support school travel plans	Encourage alternative transport modes	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2011 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of schools with plans Target emissions reduction: <1%



Measure code	Description	Focus	Classification	Status	Other information
Warrington Borough Council_9	Information on cycle routes, walking routes and public transport	Encourage alternative transport modes	Public information and Education: Leaflets	Implementation	Start date: 2011 Expected end date: 2016 Spatial scale: Whole town or city Source affected: Transport Indicator: Use of new routes Target emissions reduction: 0.01
Warrington Borough Council_10	Influence travel behaviour for cross boundary journeys	Encourage alternative transport modes	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: Number of travel plans issued Target emissions reduction: 0.01
Warrington Borough Council_11	Assess benefits of HGV routing strategy	Reduce HGV emissions in poor air quality areas	Traffic planning and management: Freight transport measure	Evaluation	Start date: 2012 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: Policy to be put in action Target emissions reduction: 0.02
Warrington Borough Council_12	Introduce policies on electric vehicle recharging points	Encourage low emission vehicles	Public procurement: Other measure	Implementation	Start date: 2014 Expected end date: 2015 Spatial scale: National Source affected: Transport Indicator: Number of charging points installed Target emissions reduction: 0.01
Warrington Borough Council_13	Introduce infrastructure for priority car parking for multi occupancy	Reduce traffic volume	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2015 Spatial scale: Whole agglomeration Source affected: Transport Indicator: Number of spaces introduced Target emissions reduction: 0.01
Warrington Borough Council_14	Assess introduction of park and ride	Reduce traffic volume	Traffic planning and management: Improvement of public transport	Evaluation	Start date: 2013 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: Reduction in car use Target emissions reduction: 0.02
Warrington Borough Council_15	Investigate value of freight consolidation centre	Reduce freight movements	Traffic planning and management: Freight transport measure	Evaluation	Start date: 2013 Expected end date: 2015 Spatial scale: Whole agglomeration Source affected: Transport Indicator: Reduced HGV movements Target emissions reduction: 0.02

Measure code	Description	Focus	Classification	Status	Other information
Warrington Borough Council_16	Promote Rail and waterways for freight movements	On HGV movements	Traffic planning and management: Freight transport measure	Evaluation	Start date: 2015 Expected end date: 2016 Spatial scale: National Source affected: Transport Indicator: Reduced HGV movements Target emissions reduction: 0.01
Warrington Borough Council_17	Ensure new developments have good access to public transport provision	Encourage public transport use	Other measure: Other measure	Implementation	Start date: 2013 Expected end date: 2024 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of bus passengers Target emissions reduction: <1%
Warrington Borough Council_18	Improve links between key employment and residential areas for bus transport	Introduction of new bus route with Euro VI buses	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2017 Spatial scale: Whole town or city Source affected: Transport Indicator: Bus patronage Target emissions reduction: 0.01
Warrington Borough Council_19	Work with partners to improve access to Warrington Hospital by public transport	Reduce vehicle use through AQMA	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: Bus patronage Target emissions reduction: <1%
Warrington Borough Council_20	Introduce policies to require all new developments to include Walking and cycle access to public transport	Reduce private vehicle use	Other measure: Other measure	Implementation	Start date: 2012 Expected end date: 2014 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of planning application Target emissions reduction: <1%
Warrington Borough Council_21	Improve cycle network	Reduce vehicle use	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2013 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: Number of cycle journeys Target emissions reduction: <1%
Warrington Borough Council_22	Improve pedestrian network	Reduce vehicle use	Traffic planning and management: Other measure	Implementation	Start date: 2013 Expected end date: 2015 Spatial scale: Whole town or city Source affected: Transport Indicator: Footfall numbers Target emissions reduction: <1%
Warrington Borough Council_23	Introduce Bike hire scheme at main train stations	Encourage alternative use to passenger car	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2013 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Number of bikes hired Target emissions reduction: <1%

Measure code	Description	Focus	Classification	Status	Other information
Warrington Borough Council_24	Carry out LEZ Feasibility Study	Provide information on potential emissions reductions to support future policies	Other measure: Other measure	Evaluation	Start date: 2012 Expected end date: 2015 Spatial scale: Whole agglomeration Source affected: Transport Indicator: N/A - research Target emissions reduction: N/A
West Lancashire District Council_1	Review of West Lancs Borough Councils fleet.	Total number of vehicles is 63. These range from Refuse/Recycling vehicles to Sweepers and Transit vans. All vehicles are Euro 5 engines apart from four refuse/recycling wagons (14 plates), these are Euro 6.	Other measure: Other measure	Other	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: All vehicles are kept for seven years, though this can vary depending on performance of vehicle Target emissions reduction: N/A
West Lancashire District Council_2	Review of Bus Operators fleet.	Further progress has been made and new buses have been introduced to the Borough.	Other measure: Other measure	Other	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: Though the financial climate had previously been highlighted as being a major stumbling block. The main bus company that serves Ormskirk, Arriva, has recently invested in their fleet. Target emissions reduction: N/A
West Lancashire District Council_3	Review local business travel plans at Ormskirk Hospital. Continue to engage workplaces in travel planning and deliver modal shift to reduce car use and so improve local air quality.	Ormskirk Hospital has a Green Transport Plan.	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: Ormskirk Hospital continues to engage with staff in order to progress their transport plan. Target emissions reduction: N/A
West Lancashire District Council_4	Review local business travel plans at Edge Hill University. Continue to engage workplaces in travel planning and deliver modal shift to reduce car use and so improve local air quality.	Edge Hill University has an Ormskirk Campus Travel Plan (2013-2017). This can be viewed by following the links on <a href="http://www.edgehill.ac.uk">www.edgehill.ac.uk</a> .	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: Edge Hill University is committed to achieve all the objectives set out in their Travel Plan. This demonstrates their progress in improving accessibility to campus while providing sustainable travel options for staff, students and visitors alike. Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
West Lancashire District Council_5	School travel plans to reduce the number of car trips to and from schools thereby improving local air quality	Further meetings/discussions to be arranged with LCC officer.	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: N/A Target emissions reduction: N/A
West Lancashire District Council_6	WLBC are to install electric vehicle charging points at various location in the Borough.	These will be the first of their kind in the Borough and will help promote cleaner low emission vehicle technology use. These are due to be installed in the very near future. The equipment is waiting for connection.	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: N/A Target emissions reduction: N/A
West Lancashire District Council_7	WLBC continue to consider any all planning applications and their potential impact on the AQMA and the Borough as a whole	Ongoing commitment	Other measure: Other measure	Planning	Start date: 2014 Expected end date: 2030 Spatial scale: Local Source affected: Transport Indicator: N/A Target emissions reduction: N/A
West Lancashire District Council_8	WLBC offer a cycle to work scheme	Ongoing commitment, allows staff to buy new bikes with a reduction in price	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: N/A Target emissions reduction: N/A
West Lancashire District Council_9	WLBC are liaising with Lancashire County Council (LCC) in order to discuss and evaluate possible traffic related alternative options	To review the highway network associated with the AQMA. Including possible re-design of road layout. Ongoing	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
West Lancashire District Council_10	WLBC continue to update Air Quality information on the Councils website.	All up to date Air Quality reports are posted on the Councils website.	Public information and Education: Internet	Evaluation	Start date: 2014 Expected end date: 2030 Spatial scale: National Source affected: Transport Indicator: N/A Target emissions reduction: N/A
West Lancashire District Council_11	WLBC continues to work alongside its partners in order to find ways of improving Local Air Quality	Ongoing, meetings take place to discuss air quality and potential for improvements	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: N/A Target emissions reduction: N/A
Wigan Metropolitan Borough Council_1	Freight Air Quality Best Practice Guidance	Promote and Develop Freight Air Quality Best Practice Guidance for circulation amongst HGV and fleet operators	Traffic planning and management: Freight transport measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Requires further investigation of impacts Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Wigan Metropolitan Borough Council_2	GM Drivers Freight Map	Produce GM Freight routes map for drivers	Traffic planning and management: Freight transport measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Requires further investigation of impacts Target emissions reduction: N/A
Wigan Metropolitan Borough Council_3	Night-time deliveries	Study of feasibility and dissemination to planning officers	Traffic planning and management: Freight transport measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Wigan Metropolitan Borough Council_4	Environmental impact points for freight on the road and rail network	Identify and address key environmental impact points for freight on the road and rail network	Traffic planning and management: Freight transport measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Requires further investigation of impacts Target emissions reduction: N/A
Wigan Metropolitan Borough Council_5	Work with bus operators to reduce bus emissions	GM-wide	Public procurement: New vehicles, including low emission vehicles	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Wigan Metropolitan Borough Council_6	Bus Quality Agreements	Agreements with bus operators on minimum engine standards in particular locations, or generally	Public procurement: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Wigan Metropolitan Borough Council_7	Real Time Information	Real time information about transport direct to smart phones	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduction in car journeys Target emissions reduction: N/A
Wigan Metropolitan Borough Council_8	Public Transport Subsidies	Public subsidy of socially necessary bus services that would not otherwise be provided on a commercial basis by bus operators	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduction in car journeys Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Wigan Metropolitan Borough Council_9	Metrolink Expansion	Expansion of the tram network (which is zero emission at the point of use), including park and ride	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduction in car journeys Target emissions reduction: N/A
Wigan Metropolitan Borough Council_10	Local Sustainable Transport Fund Programme	Programme of new walk/cycle routes, cycle parking, an extensive Smarter Choices promotional campaign, measures for active traffic management (Bluetooth sensors) to reduce congestion	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduction in car journeys Target emissions reduction: N/A
Wigan Metropolitan Borough Council_11	Cycle City Ambition Grant Programme ('Velocity')	Programme of 56 kms of largely segregated cycle routes, cycle parking, cycle promotion and work with schools. Within M60 ring.	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduction in car journeys Target emissions reduction: N/A
Wigan Metropolitan Borough Council_12	Cycle City Ambition Grant ('Greater Manchester Cycle City 2025')	Expansion of original CCAG scheme above (NEW 2) to areas outside M60	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduction in car journeys Target emissions reduction: N/A
Wigan Metropolitan Borough Council_13	Better Bus Area Fund	Series of measures to improve the attractiveness of bus travel (bus priority, information, promotion)	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduction in car journeys Target emissions reduction: N/A
Wigan Metropolitan Borough Council_14	Bus Priority Package	40 kms of bus priority routes linking 3 corridors(from Leigh, Middleton and Didsbury) across central Manchester to allow more through journeys. The route from Leigh includes a 7 km guided busway.	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduction in car journeys Target emissions reduction: N/A
Wigan Metropolitan Borough Council_15	Trafford Park Metrolink	Metrolink extension to Trafford Park employment area and Trafford Centre sub-regional shopping centre	Traffic planning and management: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduction in car journeys Target emissions reduction: N/A
Wigan Metropolitan Borough Council_16	Electric Vehicle Charging Points	GM-wide	Public procurement: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Wigan Metropolitan Borough Council_17	Park and Ride at rail stations	Park and ride at the following stations: Horwich (90), Cheadle Hulme (29), Guide Bridge (119), Irlam (60), Hazel Grove (100) and Hindley (28)	Traffic planning and management: Improvement of public transport	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: N/A Target emissions reduction: N/A
Wigan Metropolitan Borough Council_18	Wigan Integrated Transport Scheme (WITS), incorporating:- (a)Wigan Inner Relief Road (b)Westwood Park Link Road (c)Modal Hub (rail/bus interchange) (d)Saddle/Pottery Road Relief Scheme	Reduce vehicle usage	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: Reduction in traffic build up and journeys Target emissions reduction: N/A
Wigan Metropolitan Borough Council_19	A5225 Wigan and Hindley Bypass and Town Centre Link Road	Tackle congestion	Traffic planning and management: Improvement of public transport	Evaluation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Requires further investigation Target emissions reduction: N/A
Wigan Metropolitan Borough Council_20	Leigh Guided Busway	Better transport links	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduction in car journeys Target emissions reduction: N/A
Wigan Metropolitan Borough Council_21	Integrated Transport Capital Programme to encourage the use of public transport, cycling and walking; including:- (a)Local safety schemes (b)Safer Routes to School (c)Pedestrian and Cycle schemes	Promote public transport	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 car journeys Target emissions reduction: N/A
Wigan Metropolitan Borough Council_22	Park and Ride	Promote public transport	Traffic planning and management: Other measure	Other	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Requires further investigation Target emissions reduction: N/A
Wigan Metropolitan Borough Council_23	Work place charges (Parking), including:- (a)Ashton, Leigh and Wigan PCT (b)NHS trust (c)Wigan and Leigh College (d) Wigan Council	Staff Parking	Other measure: Other measure	Evaluation	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
Wigan Metropolitan Borough Council_24	Wigan Cycling Strategy - Strategy adopted January 2001	Reduce vehicle usage	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Town or City Source affected: Transport Indicator: Requires further investigation of impacts Target emissions reduction: N/A
Wigan Metropolitan Borough Council_25	Wigan Walking Strategy - Strategy adopted August 2001	Reduce vehicle usage	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Requires further investigation of impacts Target emissions reduction: N/A
Wigan Metropolitan Borough Council_26	Workplace Travel Plans, Wigan Council (WC), Wigan and Leigh College(W&LC), Primary Care Trust (PCT) - including:- (a)Car Share Database(WC) (b)School Travel Plans (WC) (c)Work place travel plans (WC/PCT/W&LC) (d)Cycle lockers/shelters/ Shower facilities in Council buildings and all college sites (WC/W&LC/PCT). (e)Cycle mileage scheme (WC and PCT) (f)Loans for bicycles (WC/PCT)	Reduce vehicle usage	Traffic planning and management: Expansion of bicycle and pedestrian infrastructure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Reduction in car journeys Target emissions reduction: N/A
Wigan Metropolitan Borough Council_27	School Travel Plans, prioritised programme including:- (a) All Schools to have STP by 2010 (b) Engineering schemes linked to safe routes to schools. (c) Yellow Bus Project (d) Walking Bus Scheme	(a) School Travel Plan Strategy adopted 2002 and Steering Group formed. Target 100% by 2010  (b) Programme commenced 2001 - 5 schemes implemented at 2003/4  (c) Ongoing (Standish High School)  (d) Walking Bus Scheme trialled 2002/3	Traffic planning and management: Improvement of public transport	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
Wigan Metropolitan Borough Council_28	Taxis and PHVs Including - (a) Licence fee reduction for LPG vehicles (20) (b) Taxi survey (c) Review engine capacity policy (d) Review vehicle specification standard (including vehicle age) (e) Promote use of LPG/low emission vehicles (f) Taxi emissions study (g) Licence fee reduction for lower emission vehicles	N/A	Permit systems and economic instruments: Introduction/increase of environment taxes	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Transport Indicator: Requires further investigation of impacts Target emissions reduction: N/A
Wigan Metropolitan Borough Council_29	Development Control Policies	UDP Policy and limited brief guidance relating to air quality and development	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Agglomeration Source affected: Commercial and residential sources Indicator: Requires further investigation of impacts Target emissions reduction: N/A
Wigan Metropolitan Borough Council_30	Industrial Air Pollution Control	Permitting and inspection of 89 Part B/A2 process (LA) and 10 Part A processes (EA). Local PPC inspection target indicator level :- 2005/6 - 83% 2006/7 - 100% 2007/8 - 100% 2008/9 - 100% 2009/10 - 100% 2010/11 - 100% 2011/12 - 100% 2012/13 - 100%	Public information and Education: Other mechanisms	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Town or City Source affected: Industry including heat and power production Indicator: Ongoing Target emissions reduction: N/A
Wigan Metropolitan Borough Council_31	Smoke Control Areas	Improvement in air quality	Public information and Education: Other mechanisms	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Town or City Source affected: Industry including heat and power production Indicator: Requires further investigation of impacts Target emissions reduction: N/A
Wigan Metropolitan Borough Council_32	HECA programme	Emission reductions	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Town or City Source affected: Commercial and residential sources Indicator: Cleaner air quality Target emissions reduction: N/A
Wigan Metropolitan Borough Council_33	Anti-Burning Campaign	Cleaner Air	Other measure: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Town or City Source affected: Industry including heat and power production Indicator: Requires further investigation of impacts Target emissions reduction: N/A

Measure code	Description	Focus	Classification	Status	Other information
Wigan Metropolitan Borough Council_34	Promotion/Education/Awareness including:- (a) Cleaner Vehicles Campaign (b) In town without my car day (c) Bike Week (d) Eco Schools/Sustainable Schools Programme (e) Environmental Training (f) Energy Advice (g) School Travel Plan promotion (h) Liaison between Health and Transport practitioners (i) Dirty Diesel Campaign	AQ EDUCATION	Traffic planning and management: Encouragement of shift of transport modes	Preparation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Town or City Source affected: Transport Indicator: Requires further investigation of impacts Target emissions reduction: N/A
Wigan Metropolitan Borough Council_35	Carbon Management Programme (Wigan Council)	Reduce energy usage	Low emission fuels for stationary and mobile sources: Other measure	Preparation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Town or City Source affected: Commercial and residential sources Indicator: Requires further investigation of impacts Target emissions reduction: N/A
Wigan Metropolitan Borough Council_36	Carbon Management (cont) (Wigan and Leigh College)	N/A	Low emission fuels for stationary and mobile sources: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Town or City Source affected: Commercial and residential sources Indicator: Requires further investigation of impacts Target emissions reduction: N/A
Wigan Metropolitan Borough Council_37	Carbon Management (cont) (Wigan and Leigh College)	N/A	Low emission fuels for stationary and mobile sources: Other measure	Implementation	Start date: 2014 Expected end date: 2030 Spatial scale: Whole Town or City Source affected: Commercial and residential sources Indicator: Requires further investigation of impacts Target emissions reduction: N/A
Wyre Borough Council_1	Network Appraisal to identify options to reduce traffic within Chapel Street AQMA by 10 %. Option appraisal to include provision of Hardhorn Link Road.	Provide options to reduce traffic within the Chapel Street AQMA	Traffic planning and management: Other measure	Evaluation	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Production of a network review Target emissions reduction: Target 10% reduction in NO2 emissions

Measure code	Description	Focus	Classification	Status	Other information
Wyre Borough Council_2	All options within the network appraisal to be assessed by Air Quality Consultants to calculate the effectiveness for improving air quality	Prioritise options to reduce traffic within the Chapel Street AQMA	Traffic planning and management: Other measure	Evaluation	Start date: 2014 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Confirmation of most appropriate highway options for reducing air quality within Chapel Street AQMA Target emissions reduction: Target 10% reduction in NO2 emissions
Wyre Borough Council_3	Lobby Lancashire County Council (LCC) to implement options identified in network appraisal in draft Local Transport Plan	Secure commitment to selected option(s) to reduce traffic within the Chapel Street AQMA	Traffic planning and management: Other measure	Evaluation	Start date: 2015 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: Finance to implement proposals secured Target emissions reduction: Target 8% reduction in NO2 emissions
Wyre Borough Council_4	Construction of link road	Reduce traffic within Chapel Street (AQMA)	Traffic planning and management: Other measure	Preparation	Start date: 2015 Expected end date: 2015 Spatial scale: Local Source affected: Transport Indicator: Completion of link road Target emissions reduction: Target 8% reduction in NO2 emissions
Wyre Borough Council_5	Undertake a feasibility study to reduce the number of circular bus journeys around Poulton Town Centre	Reduce the number of bus journeys around Poulton Town Centre	Traffic planning and management: Improvement of public transport	Planning	Start date: 2016 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: No. of circular bus routes reduced Target emissions reduction: Not Known
Wyre Borough Council_6	Undertake a feasibility study to encourage walking or cycling to school or place of employment by improving cycling and pedestrian routes within Poulton	Identify paths which could be improved to increase walking and cycling. Thereafter undertake improvement works	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: Paths identified for improvement and works undertaken. Benefit of improvement works to be measured on completion by school / neighbourhood consultation on completion. Target emissions reduction: Not Known

Measure code	Description	Focus	Classification	Status	Other information
Wyre Borough Council_7	As a major employer within Poulton, Wyre Council to develop and encourage walking, cycling or use of public transport as an alternative to the car	Reduce the number of car journeys to and from Wyre Council Civic Centre	Traffic planning and management: Encouragement of shift of transport modes	Implementation	Start date: 2013 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Reduction in the number of staff travelling to and from work by car on a regular basis. Success of action to be measured by annual staff questionnaire Target emissions reduction: Not Known
Wyre Borough Council_8	Work with local schools to encourage walking or cycling to school as part of their Travel Plans	Reduce the number of car journeys to and from local schools	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 the number of car journeys through Poulton associated with the 'school run'. Success of action to be measured by parent questionnaire Target emissions reduction: Not Known
Wyre Borough Council_10	Improve deliveries associated with the Thatched Public House within the Chapel Street AQMA	Reduce congestion and vehicle idling time associated with Public House deliveries	Traffic planning and management: Freight transport measure	Planning	Start date: 2016 Expected end date: 2017 Spatial scale: Local Source affected: Transport Indicator: Deliveries undertaken at a time least likely to cause traffic congestion Target emissions reduction: Not Known
Wyre Borough Council_11	Monitor taxi's waiting on Chapel Street during the early hours of the morning	Reduce vehicle idling associated with unofficial taxi rank	Traffic planning and management: Other measure	Evaluation	Start date: 2013 Expected end date: 2014 Spatial scale: Local Source affected: Transport Indicator: Taxi's no longer parking on Chapel Street Target emissions reduction: Not Known
Wyre Borough Council_12	Provision of a cycle storage unit at Poulton Railway Station	Reduce the number of car journeys to and from Poulton Railway Station. Encourage rail users to travel to the station by cycle.	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: Increase in the number of rail users travelling to and from Poulton Railway Station by cycle, rather than by car Target emissions reduction: Not Known

Measure code	Description	Focus	Classification	Status	Other information
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