

London Borough of Croydon Air Quality Action Plan Progress Report 2004

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1 Introduction

- 1.1 Croydon Council declared an Air Quality Management Area (AQMA) on 2nd October 2000, which initially incorporated only central Croydon. The AQMA was then reviewed as part of the Stage Four Review and Assessment of Air Quality, and as a result was re-designated to incorporate the entire borough from 22 April 2003. The Council identified the whole borough as likely to have pollution levels exceeding the Government's Air Quality Strategy objective for annual mean nitrogen dioxide (NO₂), especially in the vicinity of busy roads throughout Croydon.
- 1.2 Local authorities that declare AQMAs have a statutory duty to develop an action plan of measures aimed at meeting the Government's air quality objectives within the AQMA. The Council published its Action Plan for the central Croydon AQMA in April 2002. At that time Croydon was the second local authority in the UK to produce an action plan. The Action Plan can be downloaded from http://www.croydon.gov.uk/pdfs/2003/AQAP_2. Under new Government guidance issued in 2003, local authorities with action plans are also required to produce an annual progress report, summarising developments that have been made in implementing the Plan. The Council published its first annual progress report in June 2003. This is the Council's second annual progress report.
- 1.3 The Council's Air Quality Action Plan was developed during 2000/1 by a stakeholder group, representing the main sectors likely to be affected by any initiatives. These included Nestlé, Mott MacDonald and Alders from the business and retail sectors, Croydon Friends of the Earth, Tramtrack Croydon Ltd., the then Croydon Health Authority and elected Members of the Council, representing residents. The stakeholder group was keen that the Action Plan should be a borough-wide programme of air quality improvement, in order to avoid the potential for the problem being moved from one part of the borough to another. The Action Plan is therefore still applicable and relevant following the Council's decision to extend the AQMA to the whole borough in April 2003.

low emission zone proposal

- 1.4 The central proposal in Croydon's Air Quality Action Plan is the designation of the borough as a low emission zone (LEZ), preferably as part of the proposed London-wide LEZ. A detailed feasibility study of the exact basis for a London low emission zone was published by the London boroughs, the Greater London Authority (GLA) and the Association of London Government (ALG) in July 2003. The study shows that a LEZ could be introduced across London to prohibit access by heavy goods vehicles, buses and coaches unless they met a certain minimum standard of exhaust emissions. Separate proposals for reducing emissions from taxis are being considered by the GLA. Private cars would not be affected, since previous research has indicated that it would be most cost-effective to deal with emissions from heavier diesel vehicles, which are relatively more polluting than cars.
- 1.5 In practical terms, an LEZ could be introduced from late 2006 or early 2007 and could reduce fine particle pollution (PM₁₀) by up to 23 per cent across London and up to 16 per cent in Croydon. The LEZ would reduce the area of Croydon in

breach of air quality objectives for nitrogen dioxide NO₂ by 19 per cent by 2010 (or by 29 per cent if taxis and vans were included). Areas of the borough breaching the PM₁₀ objective would be reduced by 55 and 65 per cent respectively¹.

- 1.6 The study showed that, considering all other factors such as social and economic costs and benefits, the best criterion on which to base a LEZ in London would be to require that all heavy duty vehicles with Euro II engines or older (that is to say vehicles built before about 1996) should be required to fit approved particulate emissions reductions technology in order to enter the zone. This reduces particulate emissions from vehicles fitted with such technology by at least 90 per cent, with the effect that these vehicles would have particulate emissions equivalent to a brand new vehicle built from around 2006.
- 1.7 The London LEZ study estimates that the costs are likely to be largely outweighed by savings in terms of lost days at work due to pollution-related illness and reduced NHS costs brought about by the air quality benefits. However, the study could not be implemented without significant new funding because the financial benefits are mainly indirect ones, which would not accrue to the LEZ scheme itself. This new funding could not come from existing local authority or GLA budgets, since there are simply not the resources to fund the LEZ from current budgets.
- 1.8 If it were to go ahead, a London LEZ would require the agreement of every London borough, the Mayor and the Government. The GLA and boroughs (through the ALG) broadly support the proposals for the LEZ and have made a submission to Government for funding to establish, in the first instance, a manually-enforced scheme, i.e. one where spot checks are carried out on vehicles rather than an automated scheme such as with congestion charging. The funding of the LEZ is now being considered by the Government as part of the 2004 Spending Review.

Progress with action plan during 2003/4

- 1.9 The Council has made significant progress since first publication of the Air Quality Action Plan in 2002. Eight actions were completed during 2002/3 and a further seven were completed during 2003/4. Thirty-four actions are either partially complete or have work progressing on them. Of the remaining actions, 22 have had no progress made on them during 2003/4. However, in the case of seven of these actions, the lack of progress has been largely out of the Council's control because the actions relate to lobbying via responses to consultation documents and similar mechanisms for which opportunities have not arisen, or where the Council has sought, but has not been successful in obtaining, funding. A summary of progress made during 2003/4 is shown in Box 1 and the Council's priorities for 2004/5 are shown in Box 2.

¹ Although review and assessment of air quality shows that air quality objectives for PM₁₀ will be met in 2004, evidence from the Council's Updating and Screening Assessment indicates that the PM₁₀ objectives in 2010 may not be achieved at some roadside locations in the borough.

Box 1 Summary of key areas of progress with Action Plan

- **Submission to Government for funding of the London low emission zone, which is now being considered as part of the Spending Review 2004**
- **Completion of the London-wide roadside vehicle emissions testing programme.**
- **Consultation on draft Supplementary Planning Guidance on undertaking air quality assessments for development proposals.**
- **Obtaining match funding to provide a Schools Travel Plan Officer from 2004/5.**
- **Completion of an air quality assessment for the Coulsdon Town Centre Improvement Scheme, to inform the development of a Clear Zone.**
- **Securing commitment from Mayday Hospital and the Primary Care Trust to join the Council's car share database.**
- **Implementation of the third 20 mph zone in the borough in Sanderstead.**
- **Obtaining funding to install electric vehicle charging points in off-street car parks.**
- **Installation of 100 cycle parking stands and implementation of 8 km of shared cycle path, as part of £330,000 of investment in London Cycle Network projects.**
- **Implementation of £100,000 worth of pedestrian safety/priority measures**
- **Implementation of £200,000 worth of Safer Routes to School projects.**
- **Development of Unitary Development Plan policy to require 10% energy generation from renewable sources for certain new developments.**
- **Implementation of around £500,000 of improvements to bus services as part of the London Bus Initiative.**
- **Allocation of energy efficiency grants to the value of £359,000 for 200 properties.**

Box 2 Key priorities for 2004/5

- Undertake a fuel additive trial on vehicles operated by the Council and its contractors.
- Formulate a bid to Transport for London for a two year pilot project of running fleet vehicles on water-diesel emulsion from 2005/6.
- Evaluate the audit of Council and contractors' fleets and implement recommendations for fitting emissions reduction technology or conversion to/replacement with cleaner vehicles, where appropriate and where funding sources can be identified.
- Set up systems to process fixed penalty notices for drivers of idling vehicles.
- Installation of electric vehicle charging points in off-street car parks.
- Implementation of £303,000 of works to implement London Cycle Network and cycle parking schemes.
- Implementation of £130,000 worth of pedestrian safety/priority measures.
- Implementation of £210,000 worth of Safer Routes to School projects.
- Setting up two further 20 mph zones.
- Seek funding for additional energy efficiency grants worth £178,000
- Formulate a bid to Transport for London for a three year pilot project to run hydrogen-fuelled vehicles, as part of a London Hydrogen Partnership project with the GLA and three other boroughs.
- Undertake a feasibility study into running an air quality monitoring station with a hydrogen fuel cell
- Publish the Supplementary Planning Guidance on undertaking air quality assessments for development proposals.
- Formulate a bid to Transport for London to extend the work of the SELTRANS freight quality partnership, in order to pursue Action Plan measures on encouraging freight operators to pursue a range of measures to reduce their impacts on air quality.

1.10 The Council is working closely with the GLA in implementing the Air Quality Action Plan and in helping the GLA to deliver the Mayor's Air Quality Strategy. The Mayor's proposals for working in pursuit of achievement of the air quality standards and objectives in London, published in September 2002, are set out in the final version of the Mayor's Air Quality Strategy. These aim to:

- increase the number of cleaner vehicles
- support the feasibility study on one or more low emission zones for London

- reduce emissions from vehicles operated by or licensed through the Functional Bodies
- use traffic management infrastructure to reduce emissions
- reduce emissions from freight movements
- encourage proper vehicle maintenance and more efficient driving
- reduce emissions from buildings and industry
- reduce emissions from construction sites
- enable continued research into London's air quality
- lobby government to improve national measures to reduce air pollution further.

2 Requirement for an Air Quality Action Plan and Progress Report for Croydon

- 2.1 As stated in the Introduction, having designated an AQMA, section 84(2) of the *Environment Act 1995* requires local councils to draw up an action plan, setting out what the authority intends to do in pursuit of the air quality objectives. There is no set time-scale for the completion of the action plan. Government guidance and the Mayor of London, however, recommend that authorities aim to consult and have the action plan completed within twelve to eighteen months of AQMA declaration.
- 2.2 In accordance with Part IV of the *Environment Act 1995*, a second round of air quality reviews and assessments will continue towards 2010. The second round is a continuation from the first round and is detailed in LAQM Technical Guidance (DEFRA TG(03)). The second round involves the re-assessment of the air quality action plan and the AQMA, by a process of updating and screening assessments (USAs), detailed air quality assessments (if required, as indicated by the USA) and progress reports, each alternate year. Each year the Council will be reviewing the most recent data and developments within the borough and re-assess pollutant levels against current air quality objectives. Table 1 describes the time-scales for submissions of the reviews and assessments and progress reports.

Table 1 Time-scales for submission of Review and Assessments/Progress Reports

LAQM activity	Completion date	Actions
Updating and Screening Assessment	End of December 2003	Identify changes in recent data regarding air quality. Assess need for Detailed Assessment.
Detailed Assessment	End of December 2004	Re-assess AQMA with detailed modelling assessment, if identified in 2003.
Progress Report	End of April 2005	Update on AQMA and Action Plan.
Updating and Screening Assessment	End of April 2006	Identify changes in recent data regarding air quality. Assess need for Detailed Assessment.
Detailed Assessment	End of April 2007	Re-assess AQMA with detailed modelling assessment, if identified in 2006.
Progress Report	End of April 2008	Update on AQMA and Action Plan.
Updating and Screening Assessment	End of April 2009	Identify changes in recent data regarding air quality. Assess need for Detailed Assessment.
Detailed Assessment	End of April 2010	Re-assess AQMA with detailed modelling assessment, if identified in 2009.
Progress Report	End of April 2010	Update on AQMA and Action Plan.

2.3 Air quality management is a continuing and iterative process. As new information and study results become available and as implementation of the Action Plan begins, it will be necessary to review and amend the Plan. The London LEZ study and the continued second round of air quality reviews and assessments will be the key issues in informing air quality management in the borough.

3 Summary of Updating and Screening Assessment and current monitoring data

Updating and Screening Assessment

- 3.1 As described in Chapter Two, local authorities were required to begin the second round of air quality review and assessment during 2003 and complete their USA by the end of December. As with the previous Stage One Review and Assessment, the air quality objectives to be assessed are for the following seven pollutants: carbon monoxide, benzene, 1,3-butadiene, lead, nitrogen dioxide, sulphur dioxide and particles (PM₁₀).
- 3.2 The purpose of the USA is to provide a new assessment, to identify those matters that have changed since the last review and assessment which might lead to a risk of the objective being exceeded. It requires a phased approach so that local authorities only undertake a level of assessment that is commensurate with the risk of an air quality objective being exceeded.
- 3.3 The Council completed its USA in December 2003 and found that
- for carbon monoxide, benzene, 1,3-butadiene, lead, sulphur dioxide and particles PM₁₀ (for 2004 only) there is no significant risk of breaches of the air quality objectives in Croydon and the Council need not progress beyond the USA for these pollutants;
 - for NO₂, there is a risk of the annual mean objective being exceeded across the borough. This is consistent with the Council's existing AQMA and Action Plan and would normally require the Council to proceed to a detailed assessment of nitrogen dioxide. However, it is only just over a year since the Council completely re-modelled the entire borough for annual mean NO₂ and there are no additional data on which to base a detailed assessment, which vary significantly from the Stage Four Review and Assessment. The GLA has accepted this conclusion.
 - for PM₁₀ (for 2010 only) there is a risk of the objectives being exceeded across parts of the borough. The Council however is not required to undertake actions at this time in respect of this finding, other than to note it for longer term planning purposes, since the 2010 objectives are not yet in Regulations.
- 3.4 For all pollutants not requiring detailed assessments the LAQM guidance requires the production of annual air quality progress reports by the end of April 2005, prior to undertaking the next updating and screening assessment by the end of April 2006.

current air quality in Croydon

- 3.5 The Council's most recent annual report on pollution in Croydon includes ratified air quality data from pollution monitoring stations across the borough up to the end of 2002. Data show that the annual mean NO₂ air quality objective was breached at

all of the borough's continuous roadside monitoring sites during 2002. Compliance was achieved with air quality objectives for all other pollutants monitored in the borough.

4 Implementing the Action Plan

- 4.1 Appendix A identifies the 74 actions in the Plan, which are classified under five objectives. The final column in the table lists the progress that has been made as of 31 March 2004. The main areas of progress to date in implementing the Action Plan are shown in Table 3 below.
- 4.2 A total of 15 actions have now been completed. Thirty-four actions are either partially complete or have work progressing on them and of the remaining actions, 22 have had no progress made on them during 2003/4. However, in the case of seven of these actions, the lack of progress has been largely out of the Council's control because the actions relate to lobbying via responses to consultation documents and similar mechanisms for which opportunities have not arisen, or where the Council has sought, but has not been successful in obtaining, funding.
- 4.3 Three actions were deleted from the original Action Plan in 2002/3. Two were incorporated into other actions in the Plan and one action was no longer feasible as the scheme it related to – the CITIES project – no longer exists). This reduced the original 77 actions in the Plan to 74. A further three actions have been deleted at this review of progress. These are actions 30, 69 and 76. Reasons for their deletion are given in Appendix 1.

Table 3 Key Areas of Progress in Implementing Air Quality Action Plan

Action no.	Summary of area of activity	Progress made to date
1	Low emission zone	Submission to Government for funding of the London low emission zone, which is now being considered as part of the Spending Review 2004
11	Vehicle emissions testing	Completion of the London-wide roadside vehicle emissions testing programme.
19	Assist schools with development of travel plans	Obtaining match funding to provide a Schools Travel Plan Officer from 2004/5.
20	Implementation of Coulsdon Town Centre Improvement Scheme	Completion of an air quality assessment for the Coulsdon Town Centre Improvement Scheme, to inform the development of a Clear Zone.
21	Car sharing database	Securing commitment from Mayday Hospital and the Primary Care Trust to join the Council's car share database.
29	Installation of charging points for electric vehicles in Council car parks	Obtaining funding to install electric vehicle charging points in off-street car parks.
37	Implementation of the Borough Cycling Strategy	Installation of 100 cycle parking stands and implementation of 8 km of shared cycle path, as part of £330,000 of investment in London Cycle Network projects.
39	Implementation of Borough Walking Strategy	Implementation of £100,000 worth of pedestrian safety/priority measures
48	Extension of London Bus	Implementation of around £500,000 of

	Initiative	improvements to bus services as part of the London Bus Initiative.
63	Encouraging walking and cycling to school	Implementation of £200,000 worth of Safer Routes to School projects.
65	Use of high efficiency plant and renewable energy sources for buildings and use of cleanest conventional fuels.	Development of Unitary Development Plan policy to require 10% energy generation from renewable sources for certain new developments.
70	Investigation/implementation of 20 mph zones	Implementation of the third 20 mph zone in the borough in Sanderstead.
71	Encourage and promote home insulation schemes to reduce energy use and so reduce air pollution emissions	Allocation of energy efficiency grants to the value of £359,000 for 200 properties.

4.4 Future key areas of progress in implementing the Action Plan are shown in Table 4 below.

Table 4 Future Key Areas of Progress in Implementing Air Quality Action Plan

Action no.	Summary of area of activity	Priority for action
7	Implementation of powers to issue fixed penalty notices to drivers who allow vehicles to idle unnecessarily	<ul style="list-style-type: none"> Set up systems to process fixed penalty notices. Pollution Enforcement Officers and Specialist Pollution staff to be trained/authorised to implement legislation.
8	Improving emissions from Council vehicles	<ul style="list-style-type: none"> Formulate a bid to Transport for London for a two year pilot project of running fleet vehicles on water-diesel emulsion from 2005/6. Undertake a fuel additive trial on vehicles operated by the Council and its contractors. Evaluate the audit of Council and contractors' fleets and implement recommendations for fitting emissions reduction technology or conversion to/replacement with cleaner vehicles, where appropriate and where funding sources can be identified. Formulate a bid to Transport for London for a three year pilot project to run hydrogen-fuelled vehicles, as part of a London Hydrogen Partnership project with the GLA and three other boroughs.
12	Work with delivery companies to	<ul style="list-style-type: none"> Formulate a bid to Transport for London

	increase efficiency and reduce journey distances	to extend the work of the SELTRANS freight quality partnership, in order to pursue Action Plan measures on encouraging freight operators to pursue a range of measures to reduce their impacts on air quality.
13	Promotion of take-up of Powershift and CleanUp grants and Motorvate programme.	
14	Promoting reductions of impacts of freight delivery	
29	Installation of charging points for electric vehicles in Council car parks	<ul style="list-style-type: none"> • Installation of electric vehicle charging points in off-street car parks.
37	Implementation of the Borough Cycling Strategy.	<ul style="list-style-type: none"> • Implementation of £303,000 of works to implement London Cycle Network and cycle parking schemes.
39	Encouraging walking.	<ul style="list-style-type: none"> • Implementation of £130,000 worth of pedestrian safety/priority measures.
63	The Council will work with schools and parents to encourage walking and cycling to school	<ul style="list-style-type: none"> • Implementation of £210,000 worth of Safer Routes to School projects.
65	Use of high efficiency and renewable energy in Council buildings	<ul style="list-style-type: none"> • Undertake a feasibility study into running an air quality monitoring station with a hydrogen fuel cell
70	Investigation/implementation of 20 mph zones	<ul style="list-style-type: none"> • Setting up two further 20 mph zones.
71	Encourage and promote home insulation schemes to reduce energy use and so reduce air pollution emissions	<ul style="list-style-type: none"> • Seek funding for additional energy efficiency grants worth £178,000

5 References

Defra, *Local Air Quality Management Policy Guidance LAQM.PG(03)*, Defra London, 2003.

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Johnson L, *Pollution in Croydon Annual Report 2002/2003*, London Borough of Croydon, 2003.

Lester A & Potter S, *Stage Three Review and Assessment of Air Quality for the London Borough of Croydon*, London Borough of Croydon, 2000.

Lester A, Potter S & Johnson L, *Air Quality Action Plan*, London Borough of Croydon, 2002.

London Borough of Croydon, *Stage 4 Review and Assessment of Air Quality*, London Borough of Croydon, 2003.

London Borough of Croydon, *Updating and Screening Assessment of Air Quality*, London Borough of Croydon, 2003.

Appendix 1 Progress Tables for Air Quality Improvement Measures

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
	Objective 1: Improve air quality						
	a) Reduce vehicle emissions						
1	The Council will undertake a feasibility study into the introduction of a Low Emissions Zone (LEZ) across the whole borough and implement a scheme, if suitable.	Participation in and contribution to ALG/GLA London-wide LEZ feasibility study.	Full analysis as part of study.	30/09/03	Environmental, Cultural and Sports Services	Stephen Potter	<p>Feasibility study complete and shows a LEZ for London would be possible, but would require Government funding to boroughs. Could not be implemented before mid-late 2006 (i.e. beyond end of action plan timescale). Single borough LEZ likely to have little impact.</p> <p>ALG now in discussions with GLA and Government over implementation of preferred option.</p> <p>This action revised as set out below.</p>
1 (Revised)	The Council will continue to work with the other London boroughs, the GLA and Government to secure implementation of a London-wide LEZ.	Negotiations with other boroughs, GLA and Government.	High/High	31/12/05	Environmental, Cultural and Sports Services	Stephen Potter	
2	The Council will lobby the Greater London Authority to	Council response to Mayor's Strategies.	Low/Med	Ongoing to 31/12/05	Environmental, Cultural and	Stephen Potter	GLA representatives continue to attend

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
	use the Mayor's Air Quality, Transport, Energy and Spatial Development Strategies to encourage and facilitate greater use of cleaner vehicles and fuels in London and proper vehicle maintenance.	Responses to future consultation documents.			Sports Services		South London Cluster Group meetings aimed at coordinating implementation of the borough's Action Plan and the Mayor's Air Quality Strategy.
3	The Council will lobby the Government to create a legislative and policy framework, including more funding through schemes such as the Energy Saving Trust, Powershift and CleanUp programmes, which encourages greater take up of cleaner vehicles and greater use of cleaner fuels and better vehicle maintenance.	Council response to Mayor's Strategies. Responses to future consultation documents. Ongoing liaison with Government at regular meetings.	Low/Med	Ongoing to 31/12/05	Environmental, Cultural and Sports Services	Stephen Potter	No opportunities for formal consultation on these issues have arisen during 2003/4. However, officers continue to raise such matters at liaison meetings with Defra and as part of discussions over the LEZ.
4	The Council will work with Transport for London to undertake a borough-wide review of traffic signage in order to ensure that road signs are clear, visible, and appropriately positioned, with the aim of minimising circling traffic; The Council will improve traffic signs where necessary.	Department to undertake a review and carry out signage improvements where necessary. Bid in 2003/04 BSP Best Value Streetscene review	Med/ Low	Subject to funding complete by 31/03/05 By 31/03/03	Planning & Transportation Best Value Streetscene review team	Dave Wickens Chris Ktorides	The Council still has aspirations for a Borough wide signing review but has insufficient funding to make meaningful progress at present Completed. Best Value Streetscene Review recommended review or current street signage practices, audit of signs, development

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
		Vision 2020 Public Realm Supplementary Planning Guidance (SPG) – BSP bid		By 31/07/02	Vision 2020 team	Andrew Beedham	of design and siting criteria and monitoring of Council compliance. Project to be undertaken by Planning & Transportation The Council adopted the Vision 2020 SPG on 18 March 2002, whose objectives include supporting and promoting the reduction of congestion and the dependency on car travel, providing strategically placed car parks which will reduce the overall level of car movement and facilitate a rationalisation of parking provision.
5	The Council will undertake a review of access and signage arrangements for Council car parks in central Croydon and will introduce variable message signs and improvements to car park access roads in order to minimise queuing and circling of traffic, in conjunction with the developers of the Park Place scheme.	Improvements to car park access roads via the Vision 2020 Movement SPG. Install variable message signs. Implementation subject to Park Place s106 Agreement.	Med/ Med locally	By 31/12/05	Planning & Transportation	Dave Wickens	The S106 agreement with Minerva should be signed in April 2004 and includes provision for the funding and installation of a comprehensive variable message scheme for the town centre car parks.

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
6	The Council will work with Transport for London to ensure that all bus stands have "switch off engine" signs.	Work with TfL	Low/ Med locally	By 31/03/04	Environmental, Cultural and Sports Services	Stephen Potter	Requests to switch engines off signage should be in place at all London Buses owned facilities and at on-highway stands where the location allows it. The need to switch off engines at stands is included in a guidelines section of the bus contract. ACTION COMPLETED 2002/3.
7	The Council will implement new powers to issue Fixed Penalty Notices to drivers who allow vehicles to idle unnecessarily and will produce a leaflet for drivers to discourage unnecessary idling of vehicles.	Authorisation of staff to implement powers and development of FPN processing system.	Low/Low	by 31/03/05	Environmental, Cultural and Sports Services	Stephen Potter	Possible options for implementation of these powers have been explored during 2003/4. Parking Services unwilling to adopt the powers because of fears of confrontation between staff and motorists. Liaison with Traffic Enforcement Centre in Northampton taken place to try to overcome need for automatic data submission trials for FPNs, but this has also proved unsuccessful. Efforts now to focus on discussions with ALG to

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
		Production of leaflet.			Planning & Transportation	Lindsey Coates	process fines for whole of London and then to authorise Pollution staff. Revise deadline to 31/03/05. Completed. Leaflet produced and distributed to all Council staff.
8	The Council will continue to ensure that its own vehicle fleet is properly maintained and will ensure that all vehicles meet Euro II + 'reduced pollution certificate' emissions standards as soon as possible (at latest by the end of 2005).	Undertake review of existing Council fleet and produce clean-up programme/timetable.	Med/ Med	By 31/12/05	Transport Manager	Paul Croxon	Emissions standards written into contracts where Council vehicles have been or will be contracted out. Fleet audit undertaken and results are currently being analysed. The Council is also currently proposing to undertake a fuel additive trial during 2004/5 and to bid for funds from TfL for a water diesel emulsion pilot project for the whole Council fleet for 2005/6.
9	The Council will lobby the Government to ensure that	Responses to future consultation documents.	Low/Med	Ongoing to 31/12/05	Environmental, Cultural and	Stephen Potter	No opportunities for formal consultation on

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
	the Council is provided with adequate resources to implement local air quality management.				Sports Services		these issues have arisen during 2003/4. However, officers continue to raise such matters at liaison meetings with Defra. The Council successfully bid for £9350 of Supplementary Credit Approvals during 2003/4.
10	The Council will review its lease car scheme and car allowances, in order to identify and implement reforms which encourage the use of the cleanest and most fuel efficient vehicles and restrict business mileage.	Internal review	Low/ Low	By 31/06/03	Environmental, Cultural and Sports Services Personnel Services	Eddy Taylor Peter Yarlett	Delayed because of the need to spend money to get the data required and spending restrictions. Now approved. Completion date extended to June 2003.
11	The Council will work with the Vehicle Inspectorate and the Police to undertake random roadside emissions tests on vehicles in the borough.	Implementation of scheme.	Low/Low	Ongoing to 31/12/05	Environmental, Cultural and Sports Services	Stephen Potter	This project has now been completed and 557 vehicles have been tested in the borough, of which 18 (3.2%) failed to meet the emissions test. ACTION COMPLETED 2003/4.
12	The Council will work with delivery companies to investigate the possibility of increasing the efficiency of	Investigate options with delivery companies in the borough.	Low/Low	By 31/03/05	Environmental, Cultural and Sports Services	Stephen Potter	No progress made during 2004/5.

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
	their operations and reduce the rural distances travelled, and in particular to reduce the distance travelled with no payload.						
13	The Council will promote schemes that help offset the cost of reducing individual vehicle emissions, such as EST's Powershift and CleanUp & Government's Motorvate programme.	During various promotional activities in conjunction with EST. Provide links from pollution home page to EST website.	Low/Low No progress to date.	Ongoing to 31/12/05	Environmental, Cultural and Sports Services	Stephen Potter	No progress made during 2004/5.
14	The Council will look favourably on schemes or pilot projects to reduce traffic and/ or emissions e.g. through consolidation depots for delivering goods to city centre businesses or home delivery schemes such as internet shopping.	As and when schemes are proposed to the Council	Low/ Low	Ongoing to 31/12/05	Planning Control Forward Planning Pollution Team	Melanie Fitzgerald	The council always looking for alternative ways to reduce traffic congestion.
	b) Reduce traffic density						
15	The Council will work with the Greater London Authority to ensure that the proposed congestion charging zone for central London does not have a negative impact on Croydon.	Council response to Mayor's Strategies/congestion charging proposals Ongoing promotion with relevant agencies and responses to future consultation documents	Low/ Low	Ongoing to 31/03/04	Environmental, Cultural and Sports Services	Dave Wakeling	Possible effects on Croydon raised during consultation on the proposals. Some funding obtained from TfL for assessing effects in Croydon (totalling £113,000).

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
							Controlled Parking Zones proposed around Tram stops and mainline railway stations, where commuters avoiding the congestion charge could park. ACTION COMPLETED 2003/4.
16	The Council will lobby the Government and Greater London Authority to implement traffic reduction measures throughout London, in accordance with its responsibilities under the Road Traffic Reduction Act 1997.	Council response to Mayor's Strategies/ congestion charging proposals Ongoing promotion with relevant agencies and responses to future consultation documents	Low/ Med	Ongoing to 31/12/05	Transportation Planning	Ken Dryden	Targets included in Mayor's Transport Strategy. Specific measures to achieve the MTS will be dealt with through the forthcoming LIPS process. ACTION COMPLETED 2003/4.
17	The Council will undertake a review of car parking charges in Croydon and will adjust charges to discourage long stay commuter parking at inappropriate locations.	Parking and Departmental Support Services to undertake a review of charges and amend as appropriate.	Low/ Low	Ongoing to 31/12/05 Reviewed annually	Environmental, Cultural and Sports Services	Colin Brewer	The Council has approved some changes to its parking charges. Charges are designed to revitalise the economy and to continue to encourage greater use of public transport.
18	The Council will undertake a feasibility study into the introduction of park and ride schemes in the borough and	Bid for feasibility study to be made in 2002 BSP and subsequent years where applicable	Analysis as part of study	Ongoing to 31/12/05	Planning & Transportation	Iain Sim	No funding secured. Await outcome of TfL review as Park and Ride is a London wide

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
	will implement a scheme(s), if suitable.						issue.
19	The Council will assist schools with the development of travel plans for pupils and staff.	BSP.	Low/ Low	By 31/ 03/ 05	Planning & Transportation	Roy Clark	Council has obtained 50% match funding via BSP for a Schools Travel Plan Officer post from 2004/5.
20	The Council will work with Transport for London and local stakeholders to secure implementation of the Coulsdon Town Centre Improvement Scheme.	Construction scheme. Development of Clear Zones proposals	High/ High locally	By 31/03/05	Planning & Transportation Environmental, Cultural and Sports Services	Andrew Beedham Stephen Potter	Air quality impact assessment undertaken to establish baseline for Coulsdon town centre Clear Zone. Clear Zone proposals to be formalised into strategy for the town centre during 2004/5.
21	The Council will seek agreement from large employers in Croydon to link the Council's car share database in order to increase the number of people sharing cars for commuting journeys to Croydon.	Discussions with large employers to negotiate scheme	Low/ Low	By 31/03/04	Planning & Transportation	Lindsey Coates	Mayday Hospital and Croydon PCT will be joining shortly. We have corporate confirmation that Mayday are onboard. Awaiting final confirmation from the PCT. Meetings are in the process of being arranged between Liftshare - Croydon College and the Home Office. With a view to them joining. (This would see Croydon's 4

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
							free groups / places all filled.) No further staff resource available for this work area since DfT bursary funding ended in March 2004. No further action proposed. ACTION COMPLETED 2003/4.
22	The Council will undertake a review of options for introducing incentives for staff who car share for their journey to work.	Carry out review	Low/ Low	By 31/03/03	Planning & Transportation	Lindsay Coates	A voucher is offered for every 10th person joining the car-share database. Further incentives are not under consideration at present.
23	The Council will review the parking policy in the revised Unitary Development Plan to ensure the construction of parking spaces in new developments in Croydon is restrained. The Council will bear in mind annex 2 of the Mayor's Transport Strategy when determining car parking provisions.	UDP Review	Low/ Med	Already commenced. Likely date of UDP adoption 2005	Planning & Transportation	Justin Carr	Revised Standards based on Mayors Strategy contained in First Deposit Draft Replacement UDP (the Draft Croydon Plan) – policy T30 & Appendix 2. Draft Plan placed on deposit 30 th October 2002. Revised Draft plan placed on Deposit November 2003. Public Inquiry likely Autumn 2004

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
	c) Reduce Emissions from Industry and Commerce						
24	The Council will improve enforcement of Part B schemes.	Introduce cost accounting and risk-based inspection programme	Low/ Low	By 31/03/03	Environmental, Cultural and Sports Services	Stephen Potter	Introduced in 2002/3. ACTION COMPLETED 2002/3.
	Objective 2: Improve environmentally friendly modes of transport a) General						
25	The Council will lobby the Government, Greater London Authority and public transport providers to improve the provision and use of public transport in Croydon.	Council response to Mayor's strategies and future consultation documents.	Low/ Med	Ongoing to 31/12/05/05	Planning & Transportation	Ken Dryden	Response to Mayor's draft Transport Strategy made by Council. ACTION COMPLETED 2002/3.
26	The Council will produce a transport plan for the borough which aims to maximise the provision and use of public transport, and increase the number of cycle and walking journeys in the borough (including targets as appropriate).	BSP bid	Med/ Low	By 31/07/04	Planning & Transportation	Iain Sim	BSP bids submitted to TfL on annual basis. Responded to consultation by Mayor for London on Guidance for preparation of local Implementation Plans (April 2004). Mayor for London likely to require preparation of LIP by June 2005.

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
	b) Reduce emissions						
27	The Council will work with petroleum companies, Powershift and CleanUp to increase the number of retail outlets for compressed natural gas and liquid petroleum gas in Croydon.	New policy to be drafted in 2003 on the provision of cleaner fuel refuelling provision in Second Deposit Draft UDP (see also actions 2 & 30).	Med/ Med	By 31/03/04	Planning & Transportation	Justin Carr	<p>The Council has decided not to include a policy to encourage/require CNG/LPG in petrol filling station developments</p> <p>CNG/LPG will only be located petrol filling stations (with some very limited exceptions). There are very few applications for new filling stations, and a limited number for redevelopment. Because of their characteristics and the fact that they are a sui generis use it is not considered appropriate contain a policy specifying the locations for these. It is felt that national fiscal measures (such as the lower duty for autogas) are a far more effective way of securing a wider availability than through the planning system.</p>

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
							However, the GLA has objected to the absence of such a policy. Therefore the matter will be considered at the UDP Public Inquiry scheduled for autumn 2004
29	The Council will install charging points for electric vehicles in Council car parks. Links with Powershift and Cleanup will be explored for this purpose.	Successful BSP for 2004/5	Low/ Low	By 31/03/05	Environmental, Cultural and Sports Services	Junia Cleary David Weeks	Successful BSP bid made in 2003/4 for £50,000 to increase the numbers of electric vehicle recharging points and bays in off-street car parks. To be implemented during 2004/5.
30	The Council will introduce policies in its revised Unitary Development Plan to encourage appropriate developments to provide electric vehicle recharging points.	UDP Review	Low/ Low	Already commenced. Likely date of UDP adoption 2005	Planning & Transportation	Justin Carr	The Council has decided not to introduce a policy requiring electric charging points in new developments. It is felt that a balance has to be struck between the Council using its powers to change public opinion and actions and respecting the current situation. The take up of electric/dual fuel vehicles has been very limited for a number of

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
							reasons. It is not considered that the provision of electric charging points (or lack of) is a significant reason. It is therefore considered that requiring developers to provide these is unreasonable and likely to be of very limited use. Action to be deleted.
	c) Reduce traffic density						
31	The Council will ensure that all new leaflets and maps of Council-provided or supported facilities and amenities show public transport links.	Work programme to be developed by Travel Plan Co-ordinator	Low/ Low	By 31/06/03	Planning & Transportation	Lindsey Coates	No progress made and no staff resources available for this work area since DfT bursary funding ended in March 2004.
32	The Council will work with public transport providers to investigate the feasibility of introducing discounts for public transport users at Council-run leisure venues.	Issue to be explored with Cultural Services Department by Specialist Pollution Team.	Low/Low	By 31/03/04	Environmental, Cultural and Sports Services	Stephen Potter	No progress made during 2003/4. To be reviewed during 2004/5. Extend completion date to 31/03/05.
33	The Council will provide support to local businesses & groups to assist them to	Work programme to be developed by Travel Plan Co-ordinator	Low/ Low	By 31/03/04	Planning & Transportation	Lindsey Coates	Support was provided to a number of businesses and

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
	develop Green Travel Plans.						organisations prior to March 2005. No staff resource available for this work area since DfT bursary funding ended in March 2005.
34	The Council will introduce policies in its revised Unitary Development Plan and will use agreements under section 106 of the Town and Country Planning Act 1990 to encourage appropriate developments to have Travel Plans in place.	UDP Review	Low/ Med locally	Already commenced. Likely date of UDP adoption 2005	Planning & Transportation	Justin Carr	Policy introduced into First Deposit Draft Replacement UDP (the Draft Croydon Plan) as Policy T6. ACTION COMPLETED 2003/4.
35	The Council will review its Travel Plan and monitor compliance/achievements.	Work programme to be developed by Green Transport Officer	Low/ Low	Ongoing to 31/12/05	Personnel Services	Peter Yarlett	A Scrutiny review of Green Travel Plans is complete. Recommendations have been produced. Internal work on Green Travel plan to be led by Environment Forum, in partnership with key officers.
36	The Council will seek a contribution to public transport from developers via agreements under section 106 of the Town and Country Planning Act 1990 to promote/encourage use of public transport in the borough.	Section 106 agreements	Low/ Low	Ongoing to 31/12/05	Planning & Transportation	Dave Wickens	No progress during 2003/4.

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
37	The Council will continue to implement the Borough Cycling Strategy and will aim to ensure that, where appropriate, cycle routes are segregated from motor vehicles.	Implementation of cycling strategy	Med/ Low	Ongoing to 31/12/05	Planning & Transportation	Dave Szostak	Over 100 cycle parking stands were installed across the borough in 2003/04. £330k worth of LCN+ projects designed and / or introduced across the borough including 8km of shared cycle path. A further £303k of funding allocated to support LCN+ and borough cycle parking schemes for 2004/05.
38	The Council will install toucan crossings where appropriate on the borough's cycle network.	Implementation of cycling strategy	Med/ Low	Ongoing to 31/12/05	Planning & Transportation	Dave Szostak Dave Wickens	Two toucans were designed as part of 2003/04 LCN+ with consultation and proposed implementation in 2004/05.
39	The Council will continue to implement the Borough Strategy for encouraging walking and will aim to ensure that, wherever possible, pedestrians priority facilities are provided.	Implementation of walking strategy	Med/ Low	Ongoing to 31/12/05	Planning & Transportation	Dave Szostak	Approximately £100k worth of pedestrian safety / priority measures installed in 2003/04 and a further £130k allocated this year.
40	The Council will introduce policies in its revised Unitary Development Plan and will use agreements under section 106 of the Town and Country Planning Act 1990 to encourage appropriate	UDP Review Planning briefs	Low/ Low	Already commenced. Likely date of UDP adoption 2005	Planning & Transportation	Justin Carr	Complete. Policy introduced into First Deposit Draft Replacement UDP (the Draft Croydon Plan) as Policy T14 and Appendix Two.

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
	developments to have in place facilities for safe and secure cycle parking.	Determination of planning applications Section 106 agreements		Ongoing to 31/12/05		Melanie Fitzgerald	The Planning Department also have the facility to make use of attaching conditions to planning permissions to achieve this.
41	The Council will seek to ensure that new developments in central Croydon minimise pedestrian and cyclist exposure to vehicle emissions through scheme design/layout.	Adoption and implementation of Vision 2020 Supplementary Planning Guidance through new planning applications. UDP Review	Low/ Low	Adoption March 2002 Already commenced. Likely date of UDP adoption 2005	Vision 2020 team	Andrew Beedham Justin Carr	The Council adopted the Vision 2020 SPG on 18 March 2002. Policy on air quality introduced into First Deposit Draft Replacement UDP (the Draft Croydon Plan) as Policy EP2. ACTION COMPLETED 2003/4.
42	The Council will improve pedestrian facilities along Wellesley Road, provide priority measures for public transport and optimise traffic signals where possible.	Work with TfL Signals to ensure optimum phasing of traffic signals.	Med/ Med locally	By 31/12/2005	Planning & Transportation Vision 2020 Team	Dave Wickens Andrew Beedham	The signals through Wellesley Road between Station Road and Lansdowne Road are to be linked under Urban Traffic Control. This works was funded via the London Bus Initiative. Work is likely to be implemented in August 04.
43	The Council will introduce flexible working for all	Introduction of flexible working scheme	Low/ Low	By 31/03/04	Personnel Services	Peter Yarlett	The Council has introduced a Worksmart

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
	appropriate staff and introduce home/teleworking where appropriate.						policy, aimed at encouraging flexible working and working from home where appropriate for the individual and needs of the service. ACTION COMPLETED 2002/3.
44	The Council will provide support to local businesses & groups to assist them when introducing flexible working patterns for staff and advice to businesses considering home working / teleworking.	Work programme to be developed by Travel Plan Co-ordinator	Low/ Low	By 31/03/04	Travel Plan Co-ordinator	Lindsey Coates	Support was provided to a number of businesses and organisations prior to March 2004. No staff resource available for this work area since DfT bursary funding ended in March 2004.
	d) Increase public transport attractiveness:						
45	The Council will lobby the Government, the Greater London Authority and public transport providers to secure improvements in reliability, security, vandalism and cleanliness of public transport, particularly by encouraging improvements through franchise tenders/arrangements.	Council response to Mayor's Strategies. Responses to future consultation documents	Med/ Low	Ongoing to 31/12/05	Planning & Transportation	Ken Dryden	Ongoing - as and when views are sought by Mayor or TfL.
46	The Council will work with TfL (via the London Bus	Develop work programme	Med/ Low	Ongoing to 31/12/05	Planning & Transportation	Dave Wickens	No progress to date.

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
	Initiative), public transport providers, the Metropolitan Police, British Transport Police and other agencies to improve personal safety for passengers using public transport, particularly through the increase of CCTV, the introduction of "Help points" and improved lighting of station/waiting areas.						
47	The Council will lobby central government to encourage use of public transport through taxation	Council response to Mayor's Strategies. Responses to future consultation documents	Low/ Low	Ongoing to 31/12/05	Planning & Transportation	Ken Dryden	No valid consultation documents issued by central Government. Council has supported Mayor's congestion charging scheme in principle.
	e) Improve public transport reliability						
48	The Council will work with Transport for London to develop and extend the London Bus Initiative (including bus transponders/selective vehicle detection, bus stop improvements and clearways, countdown, low floor buses) in the borough and to increase the use of camera enforcement.	LIP bid in July 2002	High/ Med	By 31/03/05	Planning & Transportation	Dave Wickens	Working with Richmond as lead Borough and JMP consultants - substantial improvements are in progress on a whole route basis under the London Bus Initiative banner. Route 60 and 119 are in progress and there is an overall investment of

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
							approaching £500K.
49	The Council will lobby the Strategic Rail Authority and TFL to improve bus contracts and rail franchises so that the service providers are motivated to recruit and train quality staff and to invest in infrastructure improvements.	Council response to Mayor's Strategies. Responses to future consultation documents	Low/ Low	Ongoing to 31/12/05	Planning & Transportation	Ken Dryden	No appropriate consultation documents issued.
50	The Council will lobby the Strategic Rail Authority , TFL and Public Transport providers to provide greater incentives for public transport reliability.	Council response to Mayor's Strategies. Responses to future consultation documents	Low/ Low	Ongoing to 31/12/05	Planning & Transportation	Ken Dryden	No appropriate consultation documents issued.
51	The Council will lobby the Greater London Authority to ensure that proposals in the Mayor's Transport Strategy to re-introduce bus conductors extends to Croydon.	Council response to Mayor's Strategies. Responses to future consultation documents	Low/ Low	Ongoing to 31/12/05	Planning & Transportation	Ken Dryden	No appropriate consultation documents issued.
	f) Improve public transport integration						
52	The Council will use the Local Implementation Plan of the Mayor's Transport Strategy and work with local transport providers and groups such as Access to Croydon to ensure that	Access to Croydon Group. Integrated Transport Workshop.	Med/ Med	Ongoing to 31/12/05 Ongoing to 31/12/05	Planning & Transportation Access to Croydon Group representative	Iain Sim	See action 26 re local Implementation Plan. Transport Conference for 2004 cancelled as a result of Budget restrictions.

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
	integration of transport modes is improved.						
53	The Council will encourage TFL, Railtrack and transport operators to improve Transport for London to improve transport interchange links at West Croydon station.	BSP	High/ High locally	Completion date dependent upon successful LIP bid	Planning & Transportation	Iain Sim	Secured funding from TfL to produce feasibility study for station improvements. Include in 2005 BSP.
54	The Council will seek to implement a scheme to provide a local bus service to the Purley Way North Industrial Area and adjoining retail parks from the Tramlink interchange at Waddon Marsh.	Tramtrack Croydon Ltd. Scheme	Low/ Low	To be confirmed	Planning & Transportation	Ken Dryden	Unlikely to be pursued until vacant Principal Planner (Public Transport) post is filled within Transport Planning section.
	g) Improve public transport ticketing						
55	The Council will work with public transport operators, Transport for London and the Government to press for the following: extend a zonal fare system to single journeys on heavy rail; introduce smart card ticketing with stored value; increase the availability of off-bus ticketing retail outlets and introduction of bus ticket	Council response to Mayor's Strategies. Responses to future consultation documents Work programmes via Transportation Planning	Low/ Low	Various dates throughout 2002. Ongoing to 31/12/05 Ongoing to 31/12/05	Planning & Transportation	Ken Dryden	Unlikely to be pursued until vacant Principal Planner (Public Transport) post is filled within Transport Planning section.

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
	machines at bus stops improve reliability of ticket machines and staffing levels at stations introduce reduced rate tickets and free trial public transport travelcards and "season tickets" for key employers.						
	h) Improve public transport information & assist first time visitors:						
56	The Council will undertake a review of signposting for cyclists and pedestrians and make improvements where necessary.	Planning and Transportation Department to undertake a review and carry out signage improvements.	Low/ Low	Bid in 2003/04 BSP, subject to funding complete by 31/03/05	Planning & Transportation	Dave Wickens Indra Patel	There is currently no funding for this action.
57	The Council will provide Croydon travel advice on the website, to include guidance on local walks, cycle routes and local travel links.	Creation of web pages	Low/ Low	By 31/03/03	Planning & Transportation	Lindsey Coates	ACTION COMPLETED 2002/3. See: www.croydon.gov.uk/sustainabletravel
59	The Council will encourage TFL and transport operators to provide an integrated travel information centre at EastCroydon.	LIP bid in 2002	Low/ Low	By 31/03/05	Planning & Transportation	Ken Dryden	Unlikely to be pursued until vacant Principal Planner (Public Transport) post is filled within Transport Planning section.
	Objective 3: Improve quality of life and health						
60	The Council will introduce	UDP Review	Med/ Med	Already	Planning &	Justin Carr	Revised Policies

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
	policies in its revised Unitary Development Plan to discourage development which creates or contributes to a street canyon effect, thereby increasing air pollution levels.		locally	commenced. Likely date of UDP adoption 2005	Transportation		UD8 and EP2 in the First Deposit Draft Replacement UDP (the Draft Croydon Plan) would address this issue. ACTION COMPLETED 2003/4.
61	The Council will bid for funding from Transport for London, in order to implement Streets for People schemes in Croydon.	BSP.	Med/ Med locally	Implementation Ongoing to 31/12/05	Planning & Transportation	Andrew Beedham	Further bids made last year but proposed programme received no funding allocation.
62	The Council will carry out improvements to street lighting in order to enhance walking environments and increase personal safety for pedestrians.	Borough Re-lighting Plan.	Med/ Low	2005 onwards	Environmental, Cultural and Sports Services	Jim Palmer	The Borough Relighting Plan has slipped to a 2005 commencement date.
63	The Council will work with schools and parents to develop a programme to further encourage walking and cycling to school.	BSP.	Low/ Low	Ongoing to 31/12/05	Planning & Transportation	Dave Szostak	Approximately £200k worth of safer routes to school projects introduced in 2003/04 with a further allocation of £210k for 2004/05. 2 year bursary from Central Government to secure the employment of a School Travel Plan Coordinator from 01/04/04. 5 of 9 schools identified for inclusion in the kerbcraft (child pedestrian training) programme have a

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
							volunteer workforce delivering pedestrian skills to young children. A further school is due to start training programme in May.
64	The Council will seek increased BSP funding from Transport for London for improved highway maintenance, taking into account design and aesthetics .	BSP.	Med/Low	Ongoing to 31/12/05	Environmental, Cultural and Sports Services	Barry Castrique	£1.18m has been spent by the Council during 2003/4 on highways maintenance.
65	The Council will seek to use high efficiency plant and renewable energy sources for its own buildings wherever possible and use the cleanest conventional fuels where alternatives are not viable	At renewal of current energy supply contracts/purchase of plant	Med/ Low	From 2002 onwards	Corporate Construction	John Crouch	Going to OJEC to secure a partner to progress the Central Croydon CHP Scheme. New UDP has UD2, EP22 & EP23 which indicate 10% energy requirement for new/refurbishment works to be met from renewable sources. Various buildings being designed to include this.
66	The Council will introduce policies in its revised Unitary Development Plan to encourage high standards of energy efficiency in developments	UDP Review Produce sustainable development Supplementary Planning Guidance and Best Practice Notes	Med/ Low	Already commenced. Likely date of UDP adoption 2005	Planning & Transportation	Justin Carr	Revised Policies UD8 and EP2 in the First Deposit Draft Replacement UDP (the Draft Croydon Plan) would address this issue. ACTION COMPLETED 2002/3.

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
67	The Council will investigate with the possibility of establishing a cycle rickshaw service in Croydon	Undertake feasibility study	Low/ Low	By 31/03/03	Planning & Transportation	Lindsey Coates	Two rickshaws purchased. Money in BSP to support this project. Up and running June 2003. ACTION COMPLETED 2002/3.
68	The Council will work with Transport for London and local public transport providers, in order to encourage public transport providers to provide further facilities for the needs of disabled, frail, elderly and vulnerable people and for carrying cycles, wheelchairs and pushchairs.		Med/ Low	By 31/03/04	Planning & Transportation	Dave Wickens	Council secured TfL funding for improving facilities at bus stops in 2003/4 and 2004/5 and works are in progress. Improvements are also in progress under the LBI banner on defined routes.
69	The Council will investigate setting up traffic free areas.	BSP.	Low/ Low	Ongoing to 31/12/05	Planning & Transportation	Dave Szostak	There has been no progress on this action and no current proposals to do so. Action to be deleted.
70	The Council will investigate the impact of 20mph zones.	BSP.	Low/ Low	Ongoing to 31/12/05	Planning & Transportation	Dave Szostak	The third 20mph zone in the borough went "live" in the Sanderstead Ward in February 2004. £210k allocated for the delivery of 2 further zones in 2004/05.
71	The Council will encourage & promote home insulation schemes to reduce energy	Distribution of grants.	Med/ Low	Ongoing to 31/3/06	Housing Department	Peter Brown	"Tackling Fuel Poverty/Achieving Affordable Warmth"

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
	use and so reduce air pollution emissions.						<p>seminar was held on 17th October 2003. This was an initiative led by Warm Front.</p> <p>Energy Grants spent in 2003/ 4 amounted to £359,000. This equates to 200 properties.</p> <p>Budget for 2004/5 will be £250,000 which equates to 125 properties.</p> <p>Also bidding for additional funding for Universal Coldbusters Grant Scheme with 6 other boroughs in SW London. For Croydon seeking £178,000 which equates to 130 properties in 2004/5 and 2005/6.</p>
72	The Council will encourage energy efficiency measures and energy efficient design in new buildings and redevelopments in the borough.	UDP Review	Low/ Low	Already commenced. Likely date of UDP adoption 2005	Planning & Transportation	Justin Carr	Policies UD1, UD2 and EP22 in the Draft Croydon Plan address this issue. SPG on Housing Design will cover this issue, as will a professionals and householders

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
							sustainable construction guide. All documents are currently in early stages of development.
73	The Council will investigate ways for boroughs in the South London Cluster Group to pilot schemes to assess their effect on air quality and the community with the aim of setting up good practice for other local authorities.	Cluster Group Meetings.	Low/Low	By 31/03/04	Environmental, Cultural and Sports Services	Stephen Potter	No progress made during 2003/4.
	Objective 4: Improve the local economy						
74	The Council will encourage new/existing motor vehicle specialists to promote the sale of new, clean technology vehicles, to provide for maintenance and repair of clean technology vehicles locally and to provide for retrofitting of older vehicles to all sectors (HGV, coach, PSV, taxi, cars.)	Proposals to be developed.	Med/Med	By 31/03/03	Environmental, Cultural and Sports Services	Stephen Potter	No progress made during 2003/4.
76	The Council will introduce policies in its revised Unitary Development Plan to encourage the clean industries to locate in	UDP Review	Med/ Low	Already commenced. Likely date of UDP adoption 2005	Planning & Transportation	Justin Carr	Draft Croydon Plan does not specifically address this, although employment policies

	Action	Implementation	Cost/ Benefit	Completion date	Lead Department/ Team	Lead Officer	Progress/ Completion Date
	Croydon.						(EM2 particularly) encourage industrial development in appropriate locations. No further action proposed. Action to be deleted.
	Objective 5: Increase equality						
77	The Council will produce a transport plan for the borough which aims to ensure that there is adequate public transport provision in outer reaches of the borough.		Med/ Med locally	July 2002 onwards	Planning & Transportation	Iain Sim	See action 26.