

No.	Measure	Action	Progress	Further information
1	Emission from developments and buildings	Visit construction sites to ensure emissions from construction are minimised.	<p>Implementation ongoing</p> <p>141 CLP's reviewed and approved in 2018</p> <p>Five sites checked for compliance in 2018</p> <p>279 applications were reviewed for CEMPs in 2018</p> <p>AQ monitoring ongoing</p>	<p>To undertake compliance checks at 5 sites during 2018/19</p> <p>Identified further Vehicle holding sites.</p> <p>Proactive visits to confirm compliance Enforcement visits following complaints and noncompliance.</p> <p>A number of large projects have been delayed in 2018-19 due to Whitgift development delays in commencement of works therefore actions not progressed.</p> <p>New large development at Queen's square commenced last quarter of 2018 - demolition works ongoing.</p>
2	Emission from developments and buildings	Monitor air quality in central Croydon during major construction works for the next 5-7 years to ensure emissions are minimised.	<p>Implementation ongoing</p> <p>Equipment has been installed and monitoring commenced in the second quarter of 2018.</p> <p>Second project commenced at Queen's Square, baseline sampling on going.</p>	<p>Investigated monitoring equipment to be purchased for long term monitoring.</p> <p>Currently trialling low cost monitors.</p> <p>Toolkit being developed by EMSOL.</p> <p>Trackers to be deployed on construction vehicles and NRMM from February 2019</p>

3	Emission from developments and buildings	Ensuring enforcement of Non Road Mobile Machinery (NRMM) air quality policies through officer visits.	<p>Implementation ongoing</p> <p>During April 2018-2019 NRMM Conditions were applied at all developments.</p> <p>The London Borough Croydon achieved a Total Compliance status of 67% (Total compliance status is Compliant and Self-Compliant combined).</p>	<p>LB Croydon undertook 19 site Audits, 3 sites were self-compliant, 7 sites worked towards and achieved Compliance and 5 sites failed to achieve Compliance, 4 sites had No NRMM.</p> <p>Revisits and further visits to be carried out 2019.</p>
4	Emission from developments and buildings	Enforcing CHP and biomass air quality policies	<p>Ongoing</p> <p>All planning applications reviewed for air quality assessments including CHP.</p> <p>24 assessments included comments on CHP.</p>	<p>The council requires the proposed CHP to comply with the Mayor's new London Plan.</p> <p>We do NOT recommend the installation of biomass boilers.</p>
5	Emission from developments and buildings	Enforcing air quality neutral / positive policies	<p>Ongoing</p> <p>All planning applications reviewed for air quality assessments and we require compliance with the Mayor's new London Plan.</p> <p>14 developments have agreed S106 agreements in 2018-19.</p>	<p>Section 106 agreements are required for all major developments.</p>
6	Emission from developments and buildings	Ensuring adequate, appropriate, and well located green space and infrastructure is included in new developments	<p>Ongoing</p> <p>Currently no data captured as to number of developments who agreed</p>	<p>Review in December 2019 to ensure the Local Plan refers to the most up to date policy in the London Plan.</p>

7	Emission from developments and buildings	Ensuring that Smoke Control Zones are appropriately identified and fully promoted and enforced.	<p>Only half the borough has been designated a smoke control zone and there is a need to consider options to extend the area to the whole of the borough.</p> <p>Barrister instructed to undertake review process</p>	<p>The proposed action is to consider the revision of the current smoke control order to cover the whole of the borough, subject to the necessary evidentiary basis and consultation requirements being complied with.</p> <p>Discussion with legal team to investigate best way forward to implement.</p>
8	Emission from developments and buildings	Installation of Ultra Low Nox boilers.	<p>66 developments in planning applications were required to install ultra-low Nox boilers.</p> <p>Awaiting update from procurement regarding the inclusion in procurement policy.</p>	<p>Include in procurement policy that all new replacement boilers in Council buildings, maintained schools and Council housing properties should install ultra low NOx boilers.</p>
9	Planning Policy	Supplementary Planning Document for Air Quality	<p>No progress is expected on the Air Quality SPD in advance of the Local Plan Review.</p> <p>Local Plan Review commenced 31.03.19</p> <p>The Local Plan Review will be adopted in early 2022, post to rounds of consultation and an Examination in Public.</p>	<p>The now commenced Local Plan Review will consider and update the Local Plan 2018 Air Quality content to reflect the most up to date London Plan policy and legislation.</p> <p>To ensure the Local Plan refers to the most up to date policy in the Mayors London Plan & Environment Strategy.</p> <p>To include the provision of green infrastructure for new schools on busy roads.</p> <p>To ensure the Local Plan refers to the most up to date policy in the London Plan.</p> <p>To include a requirement for construction sites to utilise new technology for diesel generators.</p>

10	Public Health and awareness raising	Ensure that Directors of Public Health (DsPHs) have been fully briefed on the scale of the problem in your local authority area; what is being done, and what is needed.	Implementation ongoing AQ Scrutiny Report and AQAP provided to PH team.	Quarterly meetings with PH
11	Public Health and awareness raising	Engagement with local stakeholders (businesses, schools, community groups and healthcare providers).	Implementation ongoing Quarterly meetings with PH set up. Next meeting 05.08.19	Public Health Teams should be supporting They should be asked for their support via the DsPH when projects are being developed.
12	Public Health and awareness raising	Director of Public Health to have responsibility for ensuring their Joint Strategic Needs Assessment (JSNA) has up to date information on air quality impacts on the population	Implementation ongoing To be reviewed 31.03.19	To include air pollution data to the list of PHOF indicators which are reviewed at senior management/cabinet level.

13	Public Health and awareness raising	Strengthening co-ordination with Public Health by ensuring that at least one Consultant-grade public health specialist within the borough has air quality responsibilities outlined in their job profile.	Implementation ongoing Confirmed that one public health specialist has been assigned air quality responsibilities	Meet up quarterly to discuss actions going forward
14	Public Health and awareness raising	Director of Public Health to sign off Statutory Annual Status Reports and all new Air Quality Action Plans	Completed May 2019.	Reviewed by Director of Public health
15	Public Health and awareness raising	Ensure that the Head of Transport has been fully briefed on the Public Health duties	Ongoing Briefing provided to Strategic Transport team at Steering group.	All directors (not just Director of Public Health) are responsible for delivering Public Health duties, as well as air quality opportunities and risks related to transport in the borough.
16	Public Health and awareness raising	Promotion of availability of airTEXT	Ongoing promotion at events such as National Clean Air day and on the Love Clean Air website. The number of airTEXT subscribers continues to grow, with a 5.4% increase in email, text, voicemail and Twitter subscribers/followers between 1 Dec 2017 and 25 Sep 2018 to 16,762	Provision of airTEXT information for wider dissemination and to provide information on health effects of air pollution and actions being taken to reduce emissions and exposure through engagement with public health leads, CCG and other health professionals. During 2018: • The GLA funded the development of the service to incorporate LAQN monitored data into the forecast

			<p>airTEXT funding levels are secure, with 32 out of 34 original airTEXT boroughs opting to pay the annual fees</p> <p>A new version of the airTEXT iPhone app will be developed following the recruitment of a new web developer at CERC</p>	<ul style="list-style-type: none"> • Thurrock joined airTEXT • to retain the service until 31 March 2019 <p>2018 airTEXT Survey results Out of 507 airTEXT subscribers who responded to the 2018 airTEXT Subscriber Survey, 97% say that airTEXT increases their awareness of high pollution days; 83% say that when they receive an airTEXT alert they take action to reduce their pollution exposure; 94% say that airTEXT is useful to them, with 66% saying that airTEXT is very useful; and 98% say that either they or someone they care for suffers from a health condition adversely affected by air pollution. Number of Croydon subscribers - 437 (2018)</p>
17	Public Health and awareness raising	Expand the airTEXT service	Ongoing	<p>To provide information on health effects of air pollution and actions being taken to reduce emissions and exposure through engagement with public health leads, CCG and other health professionals.</p> <p>To investigate with the airTEXT consortium long term sustainable funding.</p>
18	Public Health and awareness raising	Cleaner Air Champions	One awareness session has been held so far to train interested volunteer.	<p>This project delivers a comprehensive volunteer programme to help tackle air quality issues by empowering local people to raise awareness and understanding of problems around air quality in London and promoting activities that people can undertake to help improve their local air quality.</p> <p>Support through funding to deliver a volunteer programme to tackle local air quality measures.</p>

				Find ways to encourage volunteers
19	Air quality in schools	Encourage schools to join the TfL STARS.	Total 54 schools have achieved TFL stars 28 bronze, 9 Silver and 17 Gold Aim to recruit 5 new schools this academic year (2019-20)	TfL STARS (accredited travel planning programme by providing information on the benefits to schools and supporting the implementation of such a programme).
20	Air quality in schools	Promote sustainable travel to schools (Working with schools to implement packages of measures to reduce pollution and minimise exposure)	14 nitrogen dioxide tubes have been installed at primary schools, data available 2019.	The Council is working on a pilot project aiming to create 'superzones around schools' and this is being led by the public health team.
21	Air quality in schools	School Streets	On going Three school streets already in operation - St Chads, heavers Farm and Woodcote Primary. Further 8 schools to be included in 2019 with 3 to commence in September 2019.	AQ Monitoring to be undertake to obtain baseline air quality data. 1. Norbury Manor School – tackles rat run at peak hours 2. Cypress Primary School – tackles rat run at peak hours 3. Winterbourne Road – Boys Academy & Infant School – tackles rat run at peak hours 4. Downsview Primary 5. Fairchildes Primary school 6. Harris Primary Academy Kenley

22	Air quality in schools	To continue Clean air 4 schools each year. To train travel plan champions at schools to promote sustainable travel and carry out idling vehicle checks.	Clean Air 4 schools no longer a project however we continue to work with schools as part of the 'No idling' project lead by City of London.	3 schools took part in this project in 2018/19. Further 8 schools to be included in 2019/20
23	Air quality in schools	Carry out air quality audits in primary schools located in the worst polluted areas in Croydon.	Audits not carried out in 2018/19.	To undertake audits at the schools taking part in the Schools street project initially, to identify suitable measures for improving air quality. List of proposed measures will include the following; <ul style="list-style-type: none"> • Moving school entrances and play areas to reduce exposure to busy roads. • 'no idling engine' schemes to reduce harmful emissions during the school run. Minimising emissions from boilers, kitchens and other sources. • Changes to local roads, improved road layouts, restricting the most polluting vehicles round schools and pedestrianisation around school entrances. • Green infrastructure such as 'barrier bushes' along busy roads and in playgrounds to help filter toxic fumes. Improvements to encourage walking and cycling to school along less polluted routes
23	Delivery servicing and freight	Ensure sustainable logistical measures are implemented	Would require 1 year to review the current contracts and agree a policy statement. To review by 31.12.19	To include requirements for preferentially scoring bidders based on their sustainability criteria).

				To agree a policy statement and evaluation criteria.
24	Delivery servicing and freight	Re-organisation of freight to support consolidation (or micro-consolidation) of deliveries. By setting up or participating in new logistics facilities and/or requiring that council suppliers participate in these.	<p>Low Emission Logistics project ongoing</p> <p>Following completion of feasibility study, an MAQF bid was submitted for a pan-borough South London project to develop a Construction Consolidation Centre (CCC) on a temporary site. The bid was successful, £450K secured.</p> <p>So far 60% reduction in delivery from one source achieved.</p>	We are already investigating potential CCC sites as to mitigate the impacts of the Growth Zone activities in Central Croydon and reduce HGV movements within the town centre.
25	Delivery servicing and freight	Retiming of deliveries and servicing to be undertaken outside peak hours	On going Work with TFL completed.	To be put in place at suitable locations as part of planning process
26	Borough fleet actions	Develop options for the implementation of FORS Bronze for the Council's Passenger Transport operations. Other Operational services to follow this pilot project	<p>Some LIP Funding has been identified to fund this work.</p> <p>A Fleet Supervisor has been recruited (commenced 14/01/19) and will be taking this forward</p>	<p>Council fleet and hired fleet to meet Quality Standard</p> <p>Other Operational services to follow this pilot project</p>

27	Borough fleet actions	To review procurement policies to consider including a requirement for suppliers with large fleets to have attained Fleet Operator Recognition Scheme (FORS) accreditation	Waiting for update from procurement services.	
28	Borough fleet actions	Utilising the Mayor's new 'Vehicle Checker' for the purchase of new fleet vehicles. Promote this service to local businesses and residents	<p>Owned vehicle - 38 ULEZ compliance - 21 NOT ULEZ compliance - 13 N/A - 4</p> <p>Contract Hire vehicles - 88 ULEZ compliance - 52 NOT ULEZ compliance - 34 N/A - 2</p> <p>Fully electric hired vehicles - 2 Total -128 ULEZ compliance - 75 (58.5%) NOT ULEZ compliance = 47 (36.8%) N/A - 6 (4.7%)</p>	
29	Borough fleet actions	Increasing the number of hydrogen, electric, hybrid, bio methane and cleaner vehicles in the council's fleet. To work towards a zero diesel fleet.	<p>Delays to Stubbs Mead redevelopment delayed possible October 2019 are also delaying the procurement of electric vehicles.</p> <p>Additionally, lead time on EVs delivery is also above average for vehicle procurement (8 months for Renault) so unlikely to meet target.</p> <p>Current Minibus Tender (for Council-operated SEN minibuses) is due to go out to Tender January 2019 with</p>	<ul style="list-style-type: none"> • Require 25% of Council fleet / hired fleet to be ultra-low emission capable (i.e. electric, hybrid,) by 31.12.19 • Require 75% of council fleet / hired fleet to be ultra low emission capable by 2025. *This is subject to suitable infrastructure charging being available for council vehicles as without this it will not be possible

			provision for 27/39 of those vehicles to be electric.	
30	Borough fleet actions	Accelerate uptake of new Euro VI vehicles in council fleet		<p>All council fleet and hired fleet vehicles to meeting Euro VI by 2019 in line with the Mayor's ULEZ.</p> <p>Additional insourcing of Grounds Maintenance contract vehicles (53) and the timeframe required to replace these older vehicle will mean that this target will be difficult to achieve</p>
31	Borough fleet actions	Smarter Driver Training for drivers of vehicles in council own fleet i.e. through training of fuel efficient driving and providing regular retraining of staff	Staff are retested every 4 years through the Council's fleet driving provider, National Driving Centre	

32	Localised solutions	<p>Green Infrastructure.</p> <p>To install more green infrastructure along pavements.</p> <p>To seek funding to install green screens at a number of existing schools</p> <p>To investigate providing more pocket parks in Croydon</p>	<p>Green mile project ongoing</p> <p>Waiting for updates</p>	<p>To establish at least 4 green infrastructure installations to encourage more people to walk and cycle</p>
33	Localised solutions	<p>Ban on residential bonfires between 6am and sunset.</p>	<p>Appointed barrister to review process and inform of the best options by 30.08.19.</p> <p>Once reviewed to commence consultation process</p>	<p>Bonfires have been identified as a contributing factor to emissions of smoke and other pollutants. All of these pollutants can have health impacts, especially for people with breathing difficulties and those with heart problems. A typical garden bonfire will emit 2.8kg of particulate matter, 25kg of carbon monoxide, and 4.25kg of volatile compounds.</p> <p>This option considers the restriction of residential bonfires to times where they will have a minimal impact upon others.</p> <p>Once implemented to review after 2 years to assess the effectiveness of the action.</p>

34	Engagement with businesses	Ecostars for Private Hire Vehicles (PHVs)	Waiting for updates	<p>The aim of the scheme is to have a positive impact on local air quality by supporting and encouraging operators of PHV's to reduce harmful NO2 emissions by reviewing operational fleet vehicles and management practices and advising on efficiency and environmental improvements.</p> <p>In addition the scheme reduces PM and CO2 emissions from vehicles and has economic benefit to vehicle operators.</p>
35	Engagement with businesses	Travel demand management programme for the town centre	<p>Introductory meetings was held January 2019.</p> <p>10 target businesses that have been contacted to date.</p>	Awaiting response on second meeting
36	Cleaner transport	Undertake idling vehicle awareness campaign at hot spots such as taxi ranks and bus stands and schools.	<p>Idling awareness campaign carried out at 4 schools & Croydon taxi rank in</p> <p>Two awareness raising campaigns and idling vehicle checks.</p> <p>4 idling vehicle checks carried out following complaints including taxi rank, schools and bus garage.</p>	<p>Discouraging unnecessary idling through anti-idling campaigns or enforcement activity, using idling vehicle powers where appropriate.</p> <p>Dependant on funding the aim is to train at least 10 air quality champions to carry out patrols.</p> <p>Continue to carry reactive visits where required. To contact further 8 schools and commence from 30.08.19.</p>
37	Cleaner transport	Discourage queuing vehicles at taxi rank (East Croydon station)	Submitted MAQF bid for a 'Smart' Taxi Rank Queuing System at East Croydon Station to tackle the problem of taxi congestion – bid was unsuccessful.	To continue carrying out adhoc idling vehicle check in 2019/20

38	Cleaner transport	Speed control measures e.g. lowering the legal speed limit to 20mph in built up residential areas	Implementation ongoing All residential roads completed with 20mph limits	
39	Cleaner transport	Increasing the proportion of electric, hydrogen and ultra low emission vehicles in car clubs	Pool car scheme ongoing. There are 23 vehicles (22 cars, 1 hybrid vehicle and 1 van) for Council use and	33 vehicles (30 cars and 3 vans) in total, in the borough, including the 23 exclusive-use vehicles for the Council. These are available for residents outside of Monday to Friday, 8am to 6pm. The number of Croydon residents registered on the scheme continues to steadily increase. Croydon council registered users total 387. Other registered users in the borough total 4923 as of today, an increase of 1423 from the previous year statistics.
40	Cleaner transport	Installation of public and residential electric charging points	First 30 locations are planned for installation by 2019 and another 30-50 by 2022.	Croydon will be extending the network of public charging points for electric cars and vans, having signed the 'Source London' network agreement with Blue Point London in October 2017. Other government grants and Section 106 planning or Local Implementation Plan funds to contribute to charging points in residential roads without off-street parking.

41	Cleaner transport	Installation of rapid chargers to help enable the take up of electric taxis, cabs and commercial vehicles (in partnership with TfL and / or OLEV)	There are currently six charging points, with a further 5-10 likely by 2022	TfL have half a dozen rapid on or nearer the A23. They are expected to draw up a sign location list, for installation.
42	Cleaner transport	Trial ultra low emission vehicles in commercial setting	<p>Croydon and Sutton have been awarded additional money as part of the Go Ultra Low City scheme to provide five electric vans and trucks.</p> <p>THE VANS</p> <ul style="list-style-type: none"> • FM van in busy use • Growth Zone van having some use and needing to be extended • Regular enquiries but no other live and valid takers at present • Chequers van in good use • Beddington BID / SWL had mechanical issues but is being replaced <p>THE TRUCK</p> <ul style="list-style-type: none"> • Has not been forthcoming, but now promising for 2020 or so. 	<p>The newly-approved Croydon MAQF Consolidation Centre project looks set to support consolidation and freight in Sutton as well as Croydon and could benefit from using an electric van or truck.</p> <p>GULCs funding is until March 2020 only.</p> <p>The Chequers and SWL vans are on a 24 month lease until the end of 2020/ early 2021 so propose using GULCs money in 19/20 and S106 in 20/21.</p>
43	Cleaner transport	Reprioritisation of road space.	This project is ongoing and will proceed to other main routes focusing on the main east-west and north-south routes including any new Quietways.	Reduce parking at some destinations and or restricting parking on congested high streets and A roads to improve bus journey times, cycling experience and reduce emissions caused by congested traffic

44	Cleaner transport	Cycle route signs	<p>Signs - First part completed January 2017 – “Avenue Verte” – part of the London Paris route.</p> <p>Cycle route improvements - Road improvements for walking and cycling routes are being identified and an implementation schedule is being drawn up.</p>	Road signs are being put up for cycle routes from the Infrastructure Delivery Plan.
45	Cleaner transport	Provision of infrastructure to support walking and cycling	Cargo Trikes - The Croydon BID Ambassadors, and enterprises are due to be loaned a branded cargo trike for three years.	The aim is to demonstrate the viability of these zero-emission delivery vehicles and provide a visible presence of cycling around the town.
46	Cleaner transport	Installation of onstreet cycle storage	Waiting for updates	A phased programme of installing Sheffield stands on the street in key locations
47	Cleaner transport	Installation of off-street cycle storage	Implementation date to be reviewed May 2018	<p>Sites are being identified on the LBC housing estates and at pubs, cafes and other destinations with public access for cycle storage, including Sheffield stands, sheds and secure hangers.</p> <p>A larger programme will be drawn up once these are in place.</p>

48	Low Emission Neighbourhood	Implementation of a Croydon LEN project	MAQF bid was unsuccessful. Will still be investigating some elements of LEN depending on additional funding e.g. section 106.	The focus of the Croydon LEN project would be the London Road corridor from Thornton Heath Pond bus garage down to West Croydon Station. The LEN proposals along this corridor would include working with the Harris Invictus Academy, the Croydon University Hospital, the bus garage, mosques, hotels and various other businesses and stakeholders.
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