

Theme	Action	Responsibility	Cost	Magnitude of air quality benefit	Timescale For Implementation	Outputs, Targets and KPIs	Further Information	To report annually										
Monitoring and other core statutory duties	1	Adopt WHO guidelines for PM10 and PM2.5 with a compliance deadline by 2030	Land Water Air Streetscene	No cost associated	No emission/concentration benefits but critical in terms of showing commitment and communication/awareness raising.	Targets set for 2025 and 2030.	Monitoring results and progress against compliance targets (75% by 2025 and 100% by 2030) will be reported in Annual Status Reports (ASRs).	The UK National Air Quality Objectives are outlined below along with the WHO Air Quality Guidelines. <table border="1"> <thead> <tr> <th>Pollutant</th> <th>UK NAO</th> <th>WHO AGG</th> </tr> </thead> <tbody> <tr> <td>PM10</td> <td>40µg/m³</td> <td>20µg/m³</td> </tr> <tr> <td>PM2.5</td> <td>25µg/m³</td> <td>10µg/m³</td> </tr> </tbody> </table> (from 1 January 2021)	Pollutant	UK NAO	WHO AGG	PM10	40µg/m ³	20µg/m ³	PM2.5	25µg/m ³	10µg/m ³	
	Pollutant	UK NAO	WHO AGG															
	PM10	40µg/m ³	20µg/m ³															
	PM2.5	25µg/m ³	10µg/m ³															
	2	Maintain air quality monitoring network (PM and NO2), review as required and provide output data in line with TG(16) timescales and guidance.	Land Water Air	Medium £20,000 - £30,000 per year	No emission/concentration benefits but critical in terms of understanding air quality in the borough and the impact of actions taken.	Ongoing maintenance of monitors ASRs to be published annually	ASRs published on Hackney website by Spring/Summer the following year. Redistribute and expand the network through additional PM monitoring and monitoring of relevant sensitive receptors in areas of pollutant exceedences.	The ASRs will be published here: https://hackney.gov.uk/air-what-we-are-doing	X									
	3	Publish a webmap showing monitoring results	Land Water Air Streetscene	Low	No emission/concentration benefits but critical in terms of understanding air quality in the borough.	2021	The delivery and publication of webmap showing monitoring results on Hackney's website.	These updates will be provided visually in a web map and give basic explanations of the monitoring data that can be broken into subcategories allowing for greater transparency. The webmap will be published here: https://hackney.gov.uk/air-what-we-are-doing We will also add a FAQ page on the Council website to provide an easier and quicker interpretation of air quality conditions throughout Hackney.										
	4	Undertake dispersion modelling for the Borough	Land Water Air Streetscene	Medium £10,000 for baseline modelling and £5,000 per additional scenarios	No emission/concentration benefits but critical in terms of understanding air quality in the borough and the impact of actions taken.	Spring 2021	Gain borough baseline of key pollutants and where required predicted concentration changes from traffic reduction and pollution reduction schemes.	Results to be used to determine effectiveness of borough schemes through determining if there are significant pollutant reductions in scheme areas. This will give one of the most comprehensive understanding how traffic flow and composition impacts air quality concentrations of any London Borough. Modelling can be used for a multitude purposes from awareness campaigns to traffic management schemes to development within planning.										
5	Report health based air quality statistics at a ward level on the Hackney website	Land Water Air Public Health	Low	No emission/concentration benefits but critical in terms of understanding air quality in the borough and the impact of actions taken.	2021	Report the health based statistics at each ward in Hackney. Publish on the website. Include visual results on the webmap.	The statistics will be published here: https://hackney.gov.uk/air-what-we-are-doing											
6	Facilitate cross borough partnership to review through traffic impacts in Hackney	Land Water Air Streetscene	Medium	No emission/concentration benefits but critical in terms of understanding air quality in the borough and the impact of actions taken.	2022	Technical report stating impact on air quality and health of through traffic in the borough (and other north London boroughs). Report to be shared with transport teams and TfL/GLA to be used for air quality led spatial planning decisions.	Report to be published on the Hackney website - https://hackney.gov.uk/air-what-we-are-doing											
7	Achieve gold standard in GLAs Cleaner Air Borough (CAB) programme	Land Water Air Streetscene	Low	No emission/concentration benefits but critical in terms of showing commitment and communication/awareness raising.	Annually starting in 2021	Accreditation to be applied for in 2021 with the gold standard targeted	Additional information on GLA's CAB programme can be found here: https://www.london.gov.uk/sites/default/files/cleaner_air_borough_-_application_form_and_guidance_for_boroughs_final.pdf	X										
Emissions from development and buildings	8	Minimise emissions from construction through the development of Hackney's own Supplementary Planning Document (SPD) and code of construction for air quality which goes above and beyond the GLA Supplementary Planning Guidance (SPG)	Land Water Air Planning	Medium (Officer Time)	Construction emissions accounted for 37% of PM10 emissions in the borough in 2016 - the largest contributor in the borough. Road transport emissions accounted for 64% of NOx emissions and 25% PM10 emissions in the borough in 2016. Heat and power emissions accounted for 25% of NOx emissions and 5% PM10 emissions in the borough in 2016. Investigation and review of successful local supplementary planning documents which will assist in the development of a successful SPD with conditions that are known to work in reducing emissions. A code of construction will also be developed to ensure that policy and guidance within the SPD is adhered to during the construction phase of the development. Emission/concentration benefits to be determined but the SPD will help to reduce the emissions from construction in future developments.	Developing SPD by 2022 Emission savings from air quality positive developments to be published annually	Development and delivery of SPD. Record and publish emission savings from air quality positive developments annually. Report the number of complaints associated with construction dust or traffic before and after the implementation of the SPD. SPD to include code of construction practice and progress will be measured through compliance.	The Hackney specific SPD will aim to go above and beyond the GLA SPG (https://www.london.gov.uk/what-we-do/planning/implementing-london-plan/london-plan-guidance-and-spgs/control-dust-and) by: - Outlining a construction code of practice for developments - Outlining the requirement for cumulative impact assessments for developments - Ensuring all 'medium' and 'high' risk sites to either dust soiling and human health have real-time particulate monitoring on site and that the information from the monitoring is accessible to the Council and Public - Creating and implementing a power generator hierarchy with the aim of reducing the use of diesel generators on construction sites - Ensuring air quality neutral policies are followed in all future developments and where possible air quality positive approaches are adopted for master planning and redevelopment areas - Creating and implementing a hierarchy for energy provision in new developments to promote zero emissions from operation - Settling out requirements for developments including NOx boilers and CHP to meet emission standards set out in the Mayor of London SPG Sustainable Design and Construction (https://www.london.gov.uk/sites/default/files/osd34_sustainable_design_construction_spg.pdf) - Ensuring developments include ultra low NOx boilers, solid biomass and all CHP plant meet required emission standards - Ensuring adequate, appropriate, and well-located green space and infrastructure is included in new and existing developments - Define the whole of Hackney as adhering to the Central Activity Zone criteria for air quality neutral (AQN) therefore making applications for AQN more stringent in the borough - Utilise funds from the Community Infrastructure Levy (CIL) for air quality projects throughout the Borough	X									
	9	Minimise emissions from construction through investigating and piloting innovative solutions to reduce construction based emissions	Land Water Air Planning	Medium - High	Construction emissions accounted for 37% of PM10 emissions in the borough in 2016 - the largest contributor in the borough. Investigating and piloting schemes to address emissions from construction will assist in the development and implementation of new methods, technologies and machinery which have zero or low pollutant emissions compared to conventional methods currently in use. Successes of the pilot can then be fed into Council policy and implemented across the borough to reduce emissions.	Developing and implementing a pilot study by 2024	Pilot to be taken place that trials zero and low emission technology, machinery and methods to reduce emissions on construction sites. Successes will then be implemented across the borough through local policy.	Research from C40 reveals changes to the construction industry could cut greenhouse gas emissions by 44% by 2050. Oslo, Copenhagen and Stockholm have now committed to 'Clean Construction', which will reduce the greenhouse gas emissions and air pollution from construction sites, in the effort to solve the climate crisis and improve public health. Hackney will further investigate and trial potential solutions to reduce construction based emissions. https://www.c40.org/press_releases/mayors-of-copenhagen-oslo-and-stockholm-commit-to-clean-construction										
	10	Ensure enforcement of Non Road Mobile Machinery (NRMM) air quality policies	Land Water Air Planning	Low £5,000 - £10,000 per year	NRMM emissions accounted for 7% of NOx emissions and 8% of PM10 emissions in London. In Hackney NRMM emissions accounted for approx 9.6% NOx emissions, 4.8% PM10 emissions and 10.4% of PM2.5 emissions. The NRMM reporting will help to track and target the emissions from this source.	NRMM reporting to be published annually	Annual NRMM reporting, including the following: - Percentage of development sites that comply and proportion of relevant sites inspected each year - Percentage of relevant development sites that are subject to planning condition requiring compliance with the NRMM LEZ - Number or proportion of events or roadworks required by licence or contract to comply with the NRMM LEZ - Number of complaints associated with construction machinery	Annual NRMM reporting will be published here: https://hackney.gov.uk/air-what-we-are-doing We will continue our collaboration with the Cleaner Construction for London project https://www.london.gov.uk/what-we-do/environment/pollution-and-air-quality/nrmm ensuring enforcement of Non Road Mobile Machinery (NRMM) policies.	X									
	11	Promote and enforce the borough's Smoke Control Zone (SCZ)	Land Water Air Enforcement	Low	Wood burning contributes 4% of PM10 and 9.3% of PM2.5 emissions in Hackney. Through promotion and enforcement we will be able to reduce these sources	Targets set for 2021 and 2025	Publish Zero Emission Network (ZEN) solid fuel burning survey in 2021 showing how well SCZs are understood and report conclusions. Undertake follow-up ZEN solid fuel burning survey in 2025 showing how well SCZs are understood, how behaviours have changed and report conclusions. Report percentage increase in engagement with the ZEN programme annually.	The results of the ZEN solid fuel burning survey and associated reports will be published here: https://hackney.gov.uk/air-what-we-are-doing	X									

Theme	Action	Responsibility	Cost	Magnitude of air quality benefit	Timescale For Implementation	Outputs, Targets and KPIs	Further Information	To report annually	
	12	Promote and deliver energy efficiency and energy supply retrofitting projects in workplaces and homes	Energy Housing Land Water Air	High	Domestic heat and power emissions accounted for 9% of NOx emissions and 3% PM10 emissions in the borough in 2016. Industrial heat and power emissions accounted for 16% of NOx emissions and 2% PM10 emissions in the borough in 2016. The delivery of retrofitting projects will help to reduce the emissions from existing buildings.	Target set for 2040	Delivery of Programmes including the Green Homes and Retrofit for Low Carbon Programme has been identified under the Energy Strategy Action Plan with annual reporting on percentage of buildings that have been retrofitted. Estimated at 9,078 homes and 206,000m2 of other buildings to be retrofitted by 2040. Annual reporting on percentage of eligible buildings that have been retrofitted.	Retrofit Accelerator – deep retrofit for homes supported by the European Regional Development Fund and the Extended Energy Leap provide targeted expertise for identifying, developing and funding retrofit schemes. Grant Schemes and Demonstrator Schemes are also available. This include the Green Homes Grant, Social Housing Decarbonisation Fund (SHDF) Demonstrator. ECO funding is another source of retrofit support for retrofitting old, inefficient housing Hackney also has the Green Homes Programme which is the first borough-wide programme in London to offer thermal efficiency measures to privately-owned and rented homes, including cavity, loft and floor insulation (https://hackney.gov.uk/hlp-green-homes).	X
Public health and awareness raising	13	Run air quality campaigns to raise awareness and encourage behaviour change	Land Water Air Streetscene Comms Public Health	Medium	No emission/concentration benefits but critical in terms of showing commitment and communication/awareness raising	Targets set for 2021 and 2025 for survey Campaigns to run annually	Undertake and publish Air Quality awareness survey in 2021 and report conclusions. Deliver the following campaigns: Solid fuel burning campaign Public health campaign Anti-idling campaign Organise and promote the following events: Car Free Days in the borough Clean Air Day events Bike Week Bike to School Week Walk to School Week Undertake follow-up Air Quality awareness survey in 2025 and report findings.	- Solid fuel campaign will target all in the Borough who burn solid fuel for either heat or energy. The campaign will use surveys and posters in borough to raise awareness of health impacts and alternative fuels. - Public health campaign will be run with hospitals, care homes and medical centres across the Borough to increase awareness of the potential health implications air pollution can cause, plus what the Council is doing and what everyone can do to prevent this - Anti-idling campaign will introduce Traffic Management Orders throughout the Borough and issue a penalty charge notice for those caught idling in these locations. Moreover, in collaboration with the pan-London idling project we will run workshops and education awareness days at schools. - We will engage with business and schools every year on Clean Air Day (https://www.cleanairday.org.uk/). - We will aim to hold at least one Car Free Day each year (Due to the Covid-19 pandemic this was not held in 2020) - We will hold an annual walk to school, bike to school and bike week each year	X
	14	Develop a Joint Strategic Needs Assessment (JSNA) that will focus on air quality and public health	Public Health Land Water Air	Low (Officer Time)	No emissions/concentrations benefits but critical in terms of improving collaboration between teams and communication/awareness raising.	2021	Delivery of updated JSNA by 2021. Have a consultant-grade public health specialist having air quality responsibilities within the borough.	The Director of Public Health has responsibility for ensuring their Joint Strategic Needs Assessment (JSNA) has up to date information on air quality impacts on the population; what is being done, and what is needed. This includes comprehensive information relating to mortality and morbidity rates and how air pollution impacts people in society differently. To facilitate this we will ensure there is continued coordination with the Air Quality and Public Health Teams.	
	15	Develop and promote the existing high air pollution alert system	Land Water Air Comms Streetscene team	Low £1,000 - £2,000 per year	No emissions/concentrations benefits but critical in terms of showing communication/awareness raising.	Ongoing	Report annual percentage increase in number of users	The Council currently uses airTEXT to provide alerts for air pollution throughout Hackney. We will collaborate with Cambridge Environmental Research Consultants to update this system to be more user friendly and ensure that alerts reach a greater number of people. https://www.hackneyicare.org.uk/kb5/hackney/asch/service.page?id=mSRc2SfPrZU	X
	16	Continue to collaborate in the cross borough project encouraging canal boat owners to switch from wood burning stoves and diesel engines to electric or more sustainable fuels	Land Water Air	Low	Wood burning contributes 4% of PM10 and 9.3% of PM2.5 emissions in Hackney The delivery of this project will help to reduce wood emissions from this area.	2021	Survey canal users in Hackney about their air quality awareness in 2021 and report conclusions. Estimate emissions from wood burning stoves canal users in year. Undertake follow-up survey with canal users in 2025 about their air quality awareness and report conclusions. Alongside neighbouring Borough's publish recommendations to limit emissions on canals in 2021.	Hackney will continue to collaborate with other London Boroughs, the boating community and the Canals and Rivers Trust on a project to ensure Hackney's waterways are as sustainable as possible. Through concentrating on alleviating emissions from wood burning stoves and diesel engines, those living on and close to our water bodies can enjoy a healthier less polluted way of life.	
Delivery servicing and freight	17	Deliver the Freight Action Plan as part of the Hackney Transport Strategy (2015-2025)	Streetscene Land Water Air	Low (Officer Time)	Hackney LGVs and HGVs account for 21.6% of NOx emissions, 12.3% of PM10 and 11.4% of PM2.5 emissions. The delivery of this project will help to reduce the emissions from freight.	2021	Development and delivery of Freight Action Plan with actions on how to reduce emissions from freight in the borough by the end of 2021. Report on reduction in freight vehicles on the inner city road network.		
	18	Adopt the Construction Logistics and Community Safety Standard (CLOCS) for the council and developers	Streetscene	Low	Low air quality benefit, but important in terms of showing commitment and communication/awareness raising.	2022 - SPD	Achieve CLOCS standard for council fleets. Include a condition in SPD for all major developments to adopt CLOCS standard.	CLOCS is a work-related road risk reduction accreditation for the construction industry (https://www.clocs.org.uk/) It focuses on road risk reduction for lorries servicing construction sites and the way that developers managing construction sites can help support this process.	
	19	Develop area-wide Construction and Logistics Plan and review of local CLPs	Streetscene Planning	Low	Hackney LGVs and HGVs account for 21.6% of NOx emissions, 12.3% of PM10 and 11.4% of PM2.5 emissions. The delivery of this project will help to reduce the emissions from construction traffic in Hackney	2022	Development and delivery of area-wide Construction and Logistics Plan by 2022. Report on reduction in freight emissions. Report on the health based impact of the reduction in freight emissions.		
	20	Work with consumers and delivery companies to help reduce local emissions through the Zero Emissions Network	Streetscene Land Water Air	High	Hackney LGVs and HGVs account for 21.6% of NOx emissions, 12.3% of PM10 and 11.4% of PM2.5 emissions. The delivery of this project will help to reduce the emissions from vehicles. Trialling of seven zero emission cargo bikes for delivery as part of the first round of ZEN reduced NOx emissions by 30.8 kg in a year and free cycle training and workshops for members reduced NOx emissions by 10.6kg in a year.	Ongoing	Report number of businesses taking up free car club membership annually. Report number of electric cars and vans hired annually. Survey businesses a year after hiring vehicles to identify any purchases of electric vehicles.	The ZEN is a tri-borough (Hackney, Islington and Tower Hamlets) initiative that helps businesses reduce their impact on air quality (https://zeroemissionsnetwork.com/) by: - Providing free business membership to Zipcar/City Car Club worth £160 - Offering free 1-2-1 cycle training for staff and bike maintenance sessions - Reducing fares for electric taxis - Offering free trials of electric cars and vans - Offering free trial of cargo bikes	
Borough Fleet	21	Increase uptake of electric vehicles and ensure electric vehicle charging infrastructure is commensurate with growth in the Borough's Fleet	Fleet Streetscene Land Water Air	High	Medium air quality benefit and important in terms of showing commitment and communication/awareness raising. We will undertake emission reduction calculations by evaluating the number of vehicles in the fleet and the total emissions per km produced on a yearly basis. Then subtract the reduction in emissions from estimated procurement of electric vehicles.	2028	Utilise Sustainable Procurement Strategy (2018- 2022) when purchasing fleet vehicles and assess percentage reduction in emissions saved through procuring zero emissions vehicles. Zero emission vans by 2028 as per the Clean Van Commitment with Global Action Plan.	Additional information on the Clean Van Commitment can be found here: https://www.globalactionplan.org.uk/clean-van-commitment-signatories	
	22	Re-establish use of Hydrotreated Vegetable Oil (HVO) as an alternative fuel source through establishing a new bulk contract	Fleet Streetscene Land Water Air	Medium	Emission/concentration benefits to be determined. Medium air quality benefit and important in terms of showing commitment and communication/awareness raising.	2022	Apply for funding and contract in place by 2022.	Hackney has pioneered the use of hydrotreated vegetable oil as an alternative fuel source with proven significant reductions in NO2 and CO2. We will source a bulk fuel contract so more vehicles in our fleet can use HVO for longer.	
	23	Increase the existing number of bicycles, electric bikes and cargo bikes in the Council fleet to ensure there are enough sustainable forms of transport for staff to use	Fleet Streetscene Land Water Air	Medium £3,000 - £5000 / electric bike	Low air quality benefit, but important in terms of showing commitment and communication/awareness raising. Trialling of seven, zero emission cargo bikes for delivery as part of ZEN resulted in a reduction 30.8kg of NOx in a year.	Ongoing	Increase the number of existing bicycles, electric bikes and cargo bikes with an annual target of 10 per year. Report number of each annually.	For more information on the Hackney Fleet Project please follow this link: https://hackney.gov.uk/fleet-project	X

Hackney AQAP

Theme	Action	Responsibility	Cost	Magnitude of air quality benefit	Timescale For Implementation	Outputs, Targets and KPIs	Further Information	To report annually	
	24	Collaboration with other public sectors to assess emissions in Hackney and identify funding for zero emission vehicle trials	Land Water Air	Low (Officer Time)	Low air quality benefit, but important in terms of showing commitment and communication/awareness raising	2021-2025	Work collaboratively with public sector fleet operators and evaluate total emissions from police, fire and NHS/ambulance based in Hackney in 2021. Identify opportunities for funding of zero emission vehicle trials in public sector fleets.	Currently a memorandum of understanding between TfL and London's emergency services, with fleet operators working towards ensuring vehicle fleets comply with ULEZ standards. https://tfl.gov.uk/corporate/publications-and-reports/ultra-low-emission-zone Hackney will collaborate with public sectors to produce data on total public sector vehicle emissions based in the Borough and identify opportunities to reduce emissions.	
Localised Solutions	25	Assess the air quality benefits of the actions in Rebuilding a Greener Hackney: Emergency Transport Plan, the Transport Strategy 2015 - 2025 and the Local Implementation Plan 2019 - 2022.	Land Water Air Streetscene	High	Emission/concentration benefits to be determined. Action is critical in terms of understanding air quality in the borough and the impact of actions taken.	2021	Progress measured through Exit Transport Strategy monitoring programme. Assess air quality impact of existing Low Emission Neighbourhoods (LENs) and experimental Low Traffic Neighbourhoods (LTNs), road closures, bus gates, widened pavements and permeable filters, which will be implemented across Hackney in late 2020 and throughout 2021 and report conclusions.	As part of the Healthy Streets Approach and Green Recovery post Coronavirus lockdown we will launch Hackney's Lockdown Exit Transport Strategy 2020/21. This is in addition to Hackney's Transport Strategy (2015-2025) and Local Implementation Plan (2019-2022). https://hackney.gov.uk/transport-strategy Key measures will be undertaken to ensure there is a reprioritisation of road space to improve routes for public transport and make it easier for walking and cycling in Hackney post lockdown.	
	26	Deliver Britain's first 21st Century Street in Colvestone Crescent, Dalston	Streetscene Land Water Air Communications	Medium	Low air quality benefit and important in terms of showing commitment and communication/awareness raising.	2023	Delivery of the 21st Century Street by 2023. Report reduction in air quality concentrations on Colvestone Crescent and a satisfaction poll undertaken by local residents.	The 21st Century Street will involve the deployment of greening, sustainable urban drainage, tree-planting and community parklets, on-street cycle parking and cycle hire bays including access to community cargo bikes and electric vehicle charging points for both private and car club use. The target is to increase tree cover to at least 40% of the street; reduce unnecessary car parking; introduce a School Street and boost on-street secure cycle parking and electric vehicle charging.	
	27	Hackney Parks Team to implement initiatives to improve air quality	Parks Streetscene Planning	High	Low air quality benefit, but important in terms of showing commitment and communication/awareness raising.	2022	Delivery of the Parks and Open Spaces Strategy in 2021, including targets for increasing the number of electric tools. Ground source heat pump installed for café and education building at Abney Park Cemetery by 2023.	For further information on Parks and Open Spaces in Hackney please follow this link https://hackney.gov.uk/parks	
Cleaner transport	28	Provide new cycling and walking infrastructure and assess air quality impacts of new infrastructure	Streetscene	High (E.g. Green Lanes improvement circa £400,000)	Estimation of air quality benefits can be found by determining the total amount of emissions per motorised trip. This can then be multiplied by total number of trips in the area before scheme implementation. The total number of trips reduced by the scheme can then be multiplied by total emissions per trip to determine the amount of emission reduced. The percentage reduction of emissions from the original emissions produced prior to the scheme implementation can then also be found.	Ongoing	Progress measured through Exit Transport Strategy monitoring programme. Assess air quality impact of changes to cycling infrastructure. Report percentage walking to school against target of 70% set by the Walking Plan annually.	Details of new cycling infrastructure are detailed in Hackney's Transport Strategy (2015- 2025) https://hackney.gov.uk/transport-strategy and Lockdown Exit Strategy (2021). Information on walking in Hackney can be found here https://hackney.gov.uk/walking	X
	29	Increase on-street and off-street cycle parking	Streetscene	Medium	Medium air quality benefit and important in terms of showing commitment and communication/awareness raising.	2021	Increase in cycle parking reported annually. Target for 2021 includes: - 820 new cycle parking spaces in areas of high demand - 240 temporary cycle secure spaces in 30 former on-street car parking bays - 120 cycle parking spaces at 3 on-street cycle parking bays in Shoreditch - 160 off-street cycle parking spaces at 20 primary schools - 300 spaces in a secure cycle parking hub in Shoreditch	For further information on cycle parking in Hackney please follow this link https://hackney.gov.uk/cycle-safety-and-security	X
	30	Roll out Hackney's anti- idling campaign to discourage vehicle users idling their engines	Land Water Air Parking	Low	Low air quality benefit, but important in terms of showing commitment and communication/awareness raising.	Ongoing from 2020	Hold approximately 5 workshops per year at schools throughout the Borough as part of the anti-idling campaign in an effort to raise awareness when it comes to idling. Give Civil Enforcement Officers the ability to issue a Penalty Charge Notice for those caught idling of up to £80 and report the number of Penalty Charge Notices issued for vehicle idling per year. Report the number of idling complaints and fines received annually.	We will deliver an anti-idling campaign with both behavioural change/education and enforcement strands. The behaviour change/education strand will be driven by our membership of the pan-London Idling Action Campaign, which is a multi-borough partnership aiming to discourage drivers from leaving their engines on while parked. As part of this partnership we aim to raise awareness and change drivers behaviour through holding idling action events in hot spot areas and outside schools. The enforcement strand will introduce a Traffic Management Order at town centres throughout the Borough.	X
	31	Regular temporary Car Free Days	Streetscene Land Water Air	Low	High short-term air quality benefit and important in terms of showing commitment and communication/awareness raising	Ongoing from late 2020	Determine where and when to hold car free days in the borough and advertise to public (i.e. website) A minimum target of 1 Car Free Day that includes road closures and community events per year.	Car Free Days are events that help transition to Healthy Streets through promoting mode shift and enable people to experience their local area from a different perspective, helping enhance local communities, and result in local improvements in air quality.	X
	32	Deliver updated Parking and Enforcement Plan	Parking	Low (Officer Time)	Emission/concentration benefits to be determined. Low air quality benefit, but important in terms of showing commitment and communication/awareness raising.	2021	Report number of residential parking bays converted to car club bays	There will be more residential parking bays converted into car club bays that will increase the opportunity to share cars and reduce overall emissions and we will further develop clean air squares throughout the borough	X
	33	Assess potential impact of installing Ultra-Low Emission Vehicle (ULEV) infrastructure (electric vehicle charging points, rapid electric vehicle charging points)	Streetscene Land Water Air	Low	Emission/concentration benefits to be determined. Action is critical in terms of understanding air quality in the borough and the impact of actions taken.	Reporting in 2025 after installation	Every household in Hackney will be within 500m from a charging point by 2025 with target progress being tracked annually. Reporting potential reduction in emissions from people using ULEZ vehicles.	Hackney Light and Power will oversee the rapid expansion of electric vehicle charging points in the borough, as part of the Council's long-term efforts to eliminate polluting combustion engines and ensure that those vehicles that remain are increasingly shared and zero emission at the tailpipe. Hackney currently has 116 publicly accessible electric vehicle charging points at 91 locations with plans to dramatically expand this number by May 2021 to 301 charge points at 161 locations using funds from the Go Ultra Low City Scheme project. This will assist in making it easier for people to switch to electric vehicles.	X
	34	Develop and assess potential impact of Hackney's Motorcycle Action Plan	Parking	Low (Officer Time)	Emission/concentration benefits to be determined. Action is critical in terms of understanding air quality in the borough and the impact of actions taken.	2021	Delivery of the Motorcycle Action Plan in 2021. Report air quality impacts of plan.	The emissions from motorcycles in Hackney are unknown and with the development of this plan, emissions can be calculated and actions to reduce emissions formulated.	
	Schools and Communities	35	Reduce air pollution near schools and protect children through the delivery of the School Streets Programme	Streetscene Land Water Air	High 40 School Streets to date funded by £350,000 TfL Streetspace fund and 100k of Council funding	Emission/concentration benefits to be determined. Low air quality benefit, but a critical action for protecting most vulnerable in Hackney through a reduction in emissions/concentrations.	Targets set for 2021 and 2023	Mayor's manifesto commitment to implement 17 School Streets by 2022. As of September 2020 we have 37 School Streets, another 11 targeted before the end of the 2020/21 academic year that will be implemented at different rates.	The School Streets Programme (http://schoolstreets.org.uk/) creates a timed pedestrian and cycle zone outside of school gates for the school drop off and pick up times. This will encourage active travel to school, which for most pupils in Hackney is a short journey and makes the roads around schools safer and cleaner.
36		Reduce air pollution at schools and protect children by delivering more green screens	Streetscene Land Water Air	Medium	No emissions/concentrations benefits but critical in terms of communication/awareness raising. A critical action for protecting most vulnerable in Hackney.	Targets set for 2021 and 2023	Use Hackney developed green screens toolkit with all schools by end of 2021 Deliver green screens at all suitably identified schools by 2023.	We will continue to roll out this programme offering installation at an increased number of schools with particular focus on schools in areas of higher pollution. The Council has developed a step by step toolkit demonstrating how green screens can be installed and we aim to share this on our website so schools across the country can easily establish their own green screens.	

Hackney AQAP

Theme	Action	Responsibility	Cost	Magnitude of air quality benefit	Timescale For Implementation	Outputs, Targets and KPIs	Further Information	To report annually	
	37	Reduce air pollution near schools and protect children through increasing uptake of the STARS programme	Streetscene Land Water Air	Low	Low air quality benefit, but a critical action for protecting most vulnerable in Hackney - reduction in emissions/concentrations. Air quality benefit can be calculated by determining the total amount of emissions produced per trip, times by the amount of trips taken at the start of the programme. The total emission reduction can then be found by determining the number of trips reduced and total emissions associated with these trips. The percentage reduction in emissions can then also be found from the original total emissions prior to the scheme implementation.	Ongoing	Report percentage of children signed up to STARS programme and travelling to school by sustainable travel annually	Additional information on the TFL Sustainable Travel: Active, Responsible and Safe programme can be found here: https://stars.tfl.gov.uk/	X
	38	Facilitate and lead schools auditing and improvement programme for all schools in Hackney	Land Water Air	High £1,140,000 based on £10,000/audit and approximately 114 schools	No emission/concentration benefits but critical in terms of understanding air quality in the borough and communication/awareness raising.	2025	All schools will have access to an updated air quality audit by 2025. The outcomes of actions taken from schools audits will be reported and a collaborative workshop will be held with other Boroughs who have similar aspirations.	Following on from the Greater London Authority's schools air quality audit Hackney will ensure every school in the Borough has access to an updated air quality audit. This will be achieved through collaboration with and use of Global Action Plan's Clean Air For Schools Framework (https://www.transform-our-world.org/programmes/clean-air-for-schools). This will highlight actions that need to be taken to reduce pollution at schools and will be followed by Council officers taking the lead on sourcing funding and implementing measures.	
	39	Review pollutant concentrations at all healthcare centres, hospitals, care homes and schools and where relevant implement an audit and improvement scheme.	Land Water Air Public Health	Medium £20,000 - £30,00 per year	Low air quality benefit, but a critical action for protecting most vulnerable in Hackney - reduction in emissions/concentrations.	2025	Map locations of vulnerable locations on map in 2021 (based on ward census data) and determine pollutant concentrations using current monitoring data and LAEI modelled data. Receptors exceeding NAQO receive air quality audits and if necessary receive additional monitoring to assess the success of the audit. All relevant sensitive receptors to link up to Hackney's alert system by 2022. See action 15.	We will communicate with health professionals, charities and utilise already established guidance such as Global Action Plan's Clean Air Hospital Framework (https://www.globalactionplan.org.uk/clean-air-hospital-framework/).	X
Lobbying	40	Lobby central Government to control and reduce emissions that are out of Hackney's authority	Land Water Air Comms Mayor's Office	Low	No emission/concentration benefits but critical in terms of showing commitment and communication/awareness raising.	Ongoing	Report and publish actions that Hackney has taken as part of lobbying central Government for the following actions: a) WHO targets being enshrined within the Environment Bill b) EU vehicle emission standards being transposed into UK legislation post Brexit c) Reinstate the boiler scrappage scheme to support all residents of Hackney d) Road user charging e) Building Regulations that promote methods of construction e.g. structural timber, that reduce PM. Promote successes on social media and online.	a) WHO particulate matter standards must be enshrined in the Environment Bill. As a key priority we intend on adopting WHO particulate matter standards throughout the Borough, however the majority of the UK will remain on the UK National Air Quality Objectives until the more stringent WHO guidelines are enshrined in law. Hackney has joined a coalition of local authorities and campaign groups that will lobby for nationwide WHO particulate matter standards. Through this coalition we aim to pressure the Government to adopt the WHO guideline standard and write this into law. b) There is a risk that post Brexit EU vehicle emission standards will not be transposed into UK law and that manufacturers will be incentivised to sell their cleanest vehicles in the EU. As such we will lobby central government to ensure vehicle emissions standards are as ambitious as the current EU's post Brexit. c) The now redundant boiler scrappage scheme supported many families when they needed to upgrade their boilers. We will lobby for this programme to be reintroduced so Hackney residents can have the opportunity to trade in old boilers for a more efficient upgrade.	X
	41	Lobby TfL to expand Ultra Low Emission Zone (ULEZ) post 2021 and introduce more fully electric bus routes through Hackney	Land Water Air Streetscene Comms Mayor's office	Low	No emission/concentration benefits but critical in terms of showing commitment and communication/awareness raising.	Ongoing	Report and publish actions Hackney has taken as part of lobbying TfL for the following actions: a) Greater London being defined as ULEZ b) Implementation of full electric bus routes in Hackney	a) The October 2021 expansion of the Ultra Low Emission Zone will cover all of Hackney, however it will stop at the North Circular. We intend to lobby for this to be expanded further so any harmful pollutants will not migrate into Hackney from the proposed borderline. b) We intend to make sure that public transport produces the least amount of air pollution as feasibly possible that is why we will lobby TfL on introducing fully electric bus routes that travel through Hackney.	X
	42	Work with others to reduce pollution that is out of our control	Land Water Air	Low	No emission/concentration benefits but critical in terms of showing commitment and communication/awareness raising.	Ongoing	Workshop to identify who we would like to partner with in the future (i.e boroughs, regional governments and organisations). Identify existing partnerships that we have and continue to develop these. Continue to participate in London wide peer meetings and work with our neighbours to develop ways in which to improve local air quality.		X