

Summary



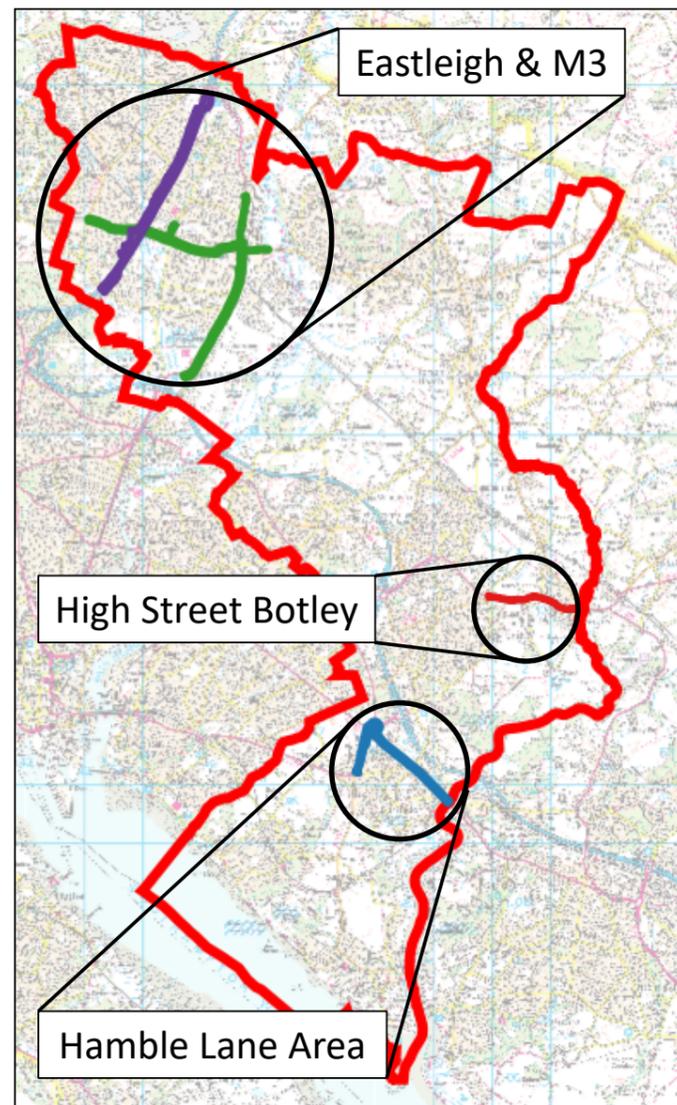
Air Quality Action Plan 2020 - 2025



This is a summary of the Council’s Air Quality Action Plan, which details actions aiming to improve air quality in Eastleigh Borough from 2020 to 2025. The plan will be kept updated and progress will be reported to the Department for the Environment, Food and Rural Affairs (DEFRA) on a regular basis throughout this period before undergoing a full review when it comes to an end.

Introduction

Eastleigh Borough Council is committed to reducing the exposure of people in the Borough to poor air quality in order to improve health and wellbeing. As part of the Council’s responsibility to review and assess air quality across the Borough there is a long history of monitoring and delivering initiatives to tackle air quality issues. This work also supports the strategy for the Climate Change and Environmental Emergency, which was declared by the Council in July 2019. Air pollution is made up of many components including nitrogen dioxide, ozone and particulate matter. Sources of these include transport, industrial processes and the heating of businesses and homes including solid fuel burning. Air pollution levels are compared to objective levels set by the government, and where pollutant concentrations exceed these levels an Air Quality Management Area (AQMA) must be declared and an Air Quality Action Plan produced, which details actions aimed at reducing pollutant levels to below the objective. This plan is specifically aimed at meeting objectives for nitrogen dioxide.



Current air quality in Eastleigh Borough

There are currently four AQMAs in Eastleigh Borough:

- ▶ Eastleigh (includes Southampton Road, Romsey Road & Leigh Road)
- ▶ M3 (from Junctions 12 to 14)
- ▶ High Street Botley
- ▶ Hamble Lane Area (includes Hamble Lane, Windhover Roundabout & A27)

This Borough-wide plan covers all AQMAs and is the result of reviewing, updating and aligning the individual Air Quality Action Plans previously in place for each of these areas.

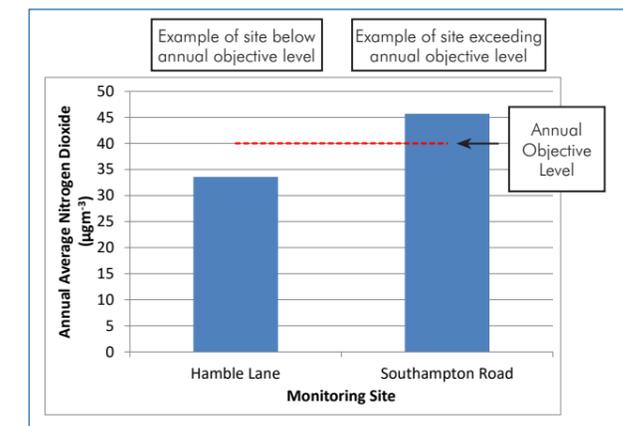
The Council measures pollution levels both in the AQMAs and across the wider Borough. Results of this monitoring can be found at eastleigh.gov.uk/airquality.

These AQMAs have all been declared due to the levels of nitrogen dioxide exceeding the annual objective of $40\mu\text{g}\text{m}^{-3}$. Road transport is the most significant contributor to nitrogen dioxide levels in Eastleigh Borough. Long term trends in nitrogen dioxide have been studied, looking at levels over five years or more. Concentrations of nitrogen dioxide are decreasing at most sites, but many areas haven’t improved as much as expected and concentrations are still higher than the objective level in a number of places.



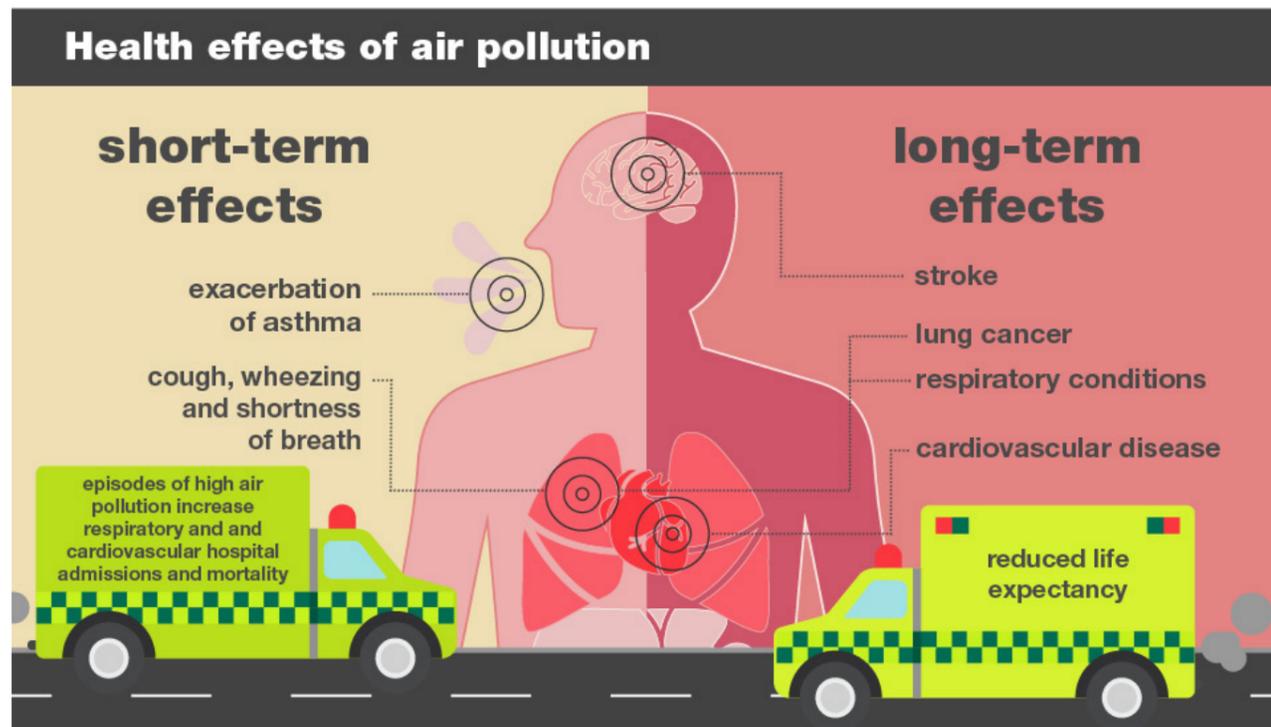
Air quality monitoring station

These locations are within the Eastleigh AQMA and the Hamble Lane Area AQMA, which was extended in August 2019 to include a section of the A27 where levels higher than the objective were confirmed. Even though recent results from Botley High Street and the M3 corridor have been lower than the objective, we continue to monitor pollution levels in these areas to support our work to further improve air quality. The actions in this plan will be essential for tackling the air pollution problem in Eastleigh Borough.



The health effects of air pollution

Air pollution is associated with a number of adverse health impacts and has been found to be the largest environmental risk to public health in the UK, highlighting the importance of taking action on this issue. Exposure to air pollution over short timescales can cause respiratory issues and long term exposure contributes to cardiovascular and respiratory diseases, ultimately reducing life expectancy. Poor air quality particularly affects those with existing respiratory issues such as asthma, as well as disproportionately impacting on children and older people. Objective levels have been set to apply at locations where members of the public risk exposure, primarily frontages of residential properties, schools and hospitals.



www.gov.uk/government/publications/health-matters-air-pollution/health-matters-air-pollution

The action plan

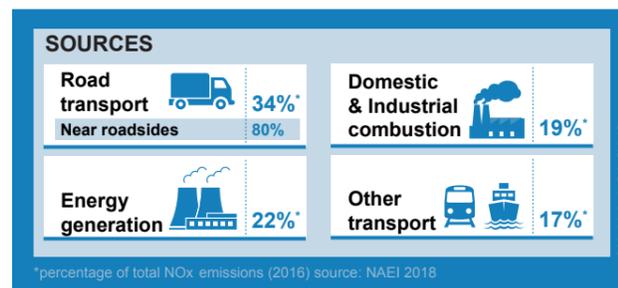
This action plan builds on previous local action plans, with both existing actions and the addition of new ideas. The following 'Actions' tables show a list of these. Overall, as road traffic is the major contributor to air pollution in Eastleigh Borough, actions are mainly based around reducing vehicle emissions and encouraging other methods of travel. To identify the most appropriate actions, consideration was given to:

- ▶ the likely impact on pollution levels
- ▶ any associated effects
- ▶ cost of implementation
- ▶ implementation timescale
- ▶ feasibility of implementation
- ▶ public consultation responses (more information below)

Although the focus is on areas with the highest exposures, the whole Borough is included as we recognise that these actions will impact the wider area

and to ensure we take account of the connectivity between the issues faced in each location. Therefore the actions list contains both overarching actions (grouped by Council theme) and targeted actions for individual locations (grouped by area).

Actions included below are expected to have a positive impact on air quality but include a mixture of funded projects, longer term aspirations where resources are not yet in place and schemes that require commitment from other public and private sector organisations. To effectively tackle air pollution with this action plan, the Council, residents, businesses and other local groups and organisations all have a role to play.



Government Clean Air Strategy 2019

Public consultation results

The Council held a public consultation on a draft version of this Air Quality Action Plan between September 2019 and October 2019, comprising an online questionnaire and six information events held across all of the Local Areas. People were asked to rate their level of support for each proposed action as well being given the opportunity to leave further comments. In total 116 people made a formal response to the consultation by filling out the questionnaire provided and further comments were also received at the events.

When rating the proposed actions, the response was generally positive with support outweighing opposition across the board. Those actions which received the highest percentage of positive responses are the themes which make up the core of the Action Plan, and will continue to do so:

- ▶ Monitor pollutant concentrations across the Borough
- ▶ Work in partnership with other Councils and key groups
- ▶ Work to reduce Eastleigh Borough Council's emissions
- ▶ Work in partnership to improve public transport services
- ▶ Work with local businesses to reduce their emissions
- ▶ Engage with other organisations on their highways improvement schemes

Frequently occurring subjects in the comments were:

- ▶ **Public transport:** clear support for improvements with routes, timing and price of services all highlighted as current barriers to use.
- ▶ **Cycling:** particularly provision of improved cycle paths and joined up routes.

- ▶ **Pedestrianisation:** some concerns but also many positive comments for traffic free days across the wider Borough.
- ▶ **Development:** overwhelming support for the proposed action to deliver sustainable development but concerns about how this is being implemented.
- ▶ **Electric vehicles:** including comments around incentives for their use.

The majority of people were also supportive of local action with main concerns in these sections including Chickenhall Lane, improvements to Bishopstoke Road and concerns about congestion on Hamble Lane. These areas are all identified in the plan and will continue to be key features.

These findings resulted in some actions being changed or added to reflect views given in the responses. More details about the consultation response and changes made can be found in the full AQAP delivered to DEFRA. The Action Plan was adopted by Cabinet in February 2020 and includes this summary document as well as the full technical report which can be found at eastleigh.gov.uk/airquality.

Actions



Environment			
Action		Organisations Involved	Key Performance Indicator
ENV1	<p>Monitor pollutant concentrations across the Borough, including:</p> <ul style="list-style-type: none"> Replacement of existing analysers New analysers to measure extra pollutants New monitoring locations Regular review of existing monitoring locations to include focussed sampling exercises at areas of local community concern Trial of innovative low cost sensors 	<p>Eastleigh Borough Council</p> <p>External partners</p>	<p>Data collected for more than 85% of each year</p> <p>Increase monitoring locations and range of pollutants monitored by June 2023</p>
ENV2	<p>Work in partnership with other Councils and key groups</p>	<p>Eastleigh Borough Council</p> <p>Hampshire County Council</p> <p>Neighbouring authorities</p> <p>Local interest groups</p>	<p>Attend four meetings per year of the Hampshire Air Quality Group</p>
ENV3	<p>Promote the use of electric vehicles by investigating incentives and developing a network of publically available electric vehicle charge points across the Borough in both public and business locations</p>	<p>Eastleigh Borough Council</p>	<p>Increase number of publically available charging points by 2025</p>
ENV4	<p>Consider the use of green infrastructure and planting to improve the local environment</p>	<p>Eastleigh Borough Council</p>	<p>Planting considered in association with public realm improvements</p>

Transport			
Action		Organisations Involved	Key Performance Indicator
TR1	<p>Create a walking and cycling strategy to promote and encourage travel by these methods</p>	<p>Eastleigh Borough Council</p>	<p>Completion of strategy by June 2020</p>

Transport			
Action		Organisations Involved	Key Performance Indicator
TR2	<p>Continue to improve and extend the walking and cycling network in line with the new walking and cycling strategy, including:</p> <ul style="list-style-type: none"> Maintenance of existing cycle paths Addition of new cycle routes Promote use of electric bicycles Pedestrianisation events 	<p>Eastleigh Borough Council</p> <p>Southampton City Council</p> <p>Hampshire County Council</p> <p>Developers</p>	<p>Increase length of cycle path available by 2025</p> <p>Add publically available charging points for electric bikes by 2025</p> <p>Increase number of pedestrian improvement schemes completed including first pedestrianisation event by June 2020</p>
TR3	<p>Run campaigns aimed at reducing vehicle emissions, including:</p> <ul style="list-style-type: none"> - Reducing the number of single occupancy cars - Reducing idling of stationary vehicles 	<p>Eastleigh Borough Council</p>	<p>Two campaigns run, with first by December 2021</p> <p>Increase number of people engaged</p>
TR4	<p>Work in partnership to improve public transport services by:</p> <ul style="list-style-type: none"> improving routes and services improving facilities for multi modal journeys increasing the number of users reducing vehicle emissions minimising the impact of emissions from rail transport securing sources of funding 	<p>Eastleigh Borough Council</p> <p>Hampshire County Council</p> <p>Southampton City Council</p> <p>Rail operators</p> <p>Public transport providers</p> <p>Developers</p>	<p>Maintain number of supported services by December 2022</p> <p>Increase number of public transport users, reported annually</p> <p>Increase proportion of buses classed as EURO VI or better to 100% by March 2020</p>
TR5	<p>Work with taxis and other licensed operators to reduce emissions</p>	<p>Eastleigh Borough Council</p> <p>Southampton City Council</p> <p>Taxi operators</p>	<p>Increase number of low emission taxi grants awarded by March 2021</p> <p>100% of taxis meet specified EURO standards by March 2025</p>
TR6	<p>Promote and expand car clubs</p>	<p>Eastleigh Borough Council</p>	<p>Increase number of car club locations to six by 2025</p>
TR7	<p>Increase availability of bicycle hire schemes</p>	<p>Eastleigh Borough Council</p> <p>External partners</p>	<p>Increase availability of hire schemes by April 2023</p>

Transport			
Action		Organisations Involved	Key Performance Indicator
TR8	Consult on incentivising ownership of low emission vehicles through differential parking charges	Eastleigh Borough Council	Consultation completed by September 2022
TR9	Use low cost sensor study to understand relationships between traffic movements and air quality to influence future road management and design	Eastleigh Borough Council Hampshire County Council	Availability of air quality and traffic data in four locations by June 2022
TR10	Engage with Hampshire County Council and Highways England on their highways improvement schemes, such as the smart motorways project, to ensure they support our work on air quality	Hampshire County Council Highways England	Two meetings per year with highways authorities (information on individual schemes in Local Area sections)



Health & Social Policy			
Action		Organisations Involved	Key Performance Indicator
HS1	Increase public awareness of air quality issues and the benefits of an active lifestyle through: <ul style="list-style-type: none"> the Council's website the airAlert service events campaigns work with local health professionals and health awareness groups 	Eastleigh Borough Council Southampton City Council Hampshire County Council Local interest groups	Increase availability of information on website and webpage hits by December 2020 Increase number of airAlert subscriptions Campaigns run annually, with first for Clean Air Day in June 2020
HS2	Carry out school projects and campaigns including: <ul style="list-style-type: none"> travel planning temporary road closures monitoring projects clean air campaigns 	Eastleigh Borough Council Southampton City Council Hampshire County Council Public transport operators	Increase number of schools participating per year Three School Streets road closure events held per school year, with first by June 2020
HS3	Provide information and advice on the use of solid fuel burners through joint project with neighbouring authorities	Eastleigh Borough Council Southampton City Council Winchester City Council New Forest District Council External partners	Funding for project secured by March 2020 Project end report by June 2023



Housing			
Action		Organisations Involved	Key Performance Indicator
HOU1	Ensure that development adheres to policies set out in the emerging Local Plan relating to air pollution impacts and supports high quality sustainable development, particularly for developments in or close to AQMAs. These could include: <ul style="list-style-type: none"> electric vehicle charging points parking policies low NOx boilers landscaping walking and cycling facilities 	Eastleigh Borough Council Developers	Updated planning guidance for air quality produced by December 2021 Parking policies updated by September 2022



Economy & Regeneration			
Action		Organisations Involved	Key Performance Indicator
EC1	Eastleigh Borough Council will work to: <ul style="list-style-type: none"> reduce business mileage reduce vehicle fleet emissions promote sustainable travel choices to staff, Councillors and visitors through travel planning 	Eastleigh Borough Council	Annual travel survey completed and travel plan updated, with next update by August 2020 Increase use of Council pool bikes, to be reviewed annually Update Council procurement policy by June 2020 Increase proportion of Council vehicles made up of Low Emission Vehicles by 2025

EC2	Work with local businesses to reduce their emissions through: <ul style="list-style-type: none"> fleets staff travel plans delivery service planning 	Eastleigh Borough Council Southampton City Council Hampshire County Council Local businesses External partners	Increase number of businesses engaged with annually Increase number of businesses with fleet recognition scheme accreditation by 2025 Increase use of last mile electric scheme, reviewed annually
EC3	Support and encourage businesses to adopt flexible working practices	Eastleigh Borough Council Local businesses	Increase number of businesses engaged with, to be reviewed annually
EC4	Work with Southampton Airport to minimise the impact of their ground operations on air quality	Eastleigh Borough Council Southampton Airport	Updated surface access strategy in place by 2021 and monitored annually



Local Area: Eastleigh

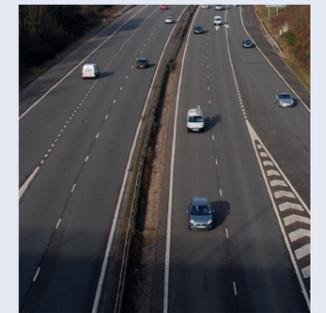


Eastleigh AQMA

Declared in 2005. Follows the A335 Southampton Road, Romsey Road & Leigh Road.
Amended in 2015 to extend a short way along Woodside Avenue, Twyford Road & Bishopstoke Road.

M3 AQMA

Declared in 2006. Covers an area extending either side of the M3 motorway, from junctions 12 to 14.



Local Area: Eastleigh			
	Action	Organisations Involved	Key Performance Indicator
ELAC1	Upgrade analysers at Southampton Road and The Point monitoring sites	Eastleigh Borough Council	Upgrade completed by December 2020
ELAC2	Further study to learn more about the proportion of different vehicles by age and type in Eastleigh	Eastleigh Borough Council Consultants	Completion of study by January 2022
ELAC3	Carry out trial of innovative monitoring equipment	Eastleigh Borough Council External partners	Data collected for one key junction in Eastleigh by December 2020
ELAC4	Consider pedestrianisation of Market Street, initially as a temporary event	Eastleigh Borough Council	Temporary pedestrianisation event organised by June 2020 Impact assessed by December 2020
ELAC5	Install electric vehicle charge points to include: <ul style="list-style-type: none"> Aldi, Chestnut Retail Park Romsey Road Car Park, Upper Market Street. 	Eastleigh Borough Council	Two charge points installed by February 2021 Increase number of charge points by 2025

Local Area: Eastleigh			
Action		Organisations Involved	Key Performance Indicator
ELAC6	Continue to seek approval and funding for the Chickenhall Lane Link Road	Eastleigh Borough Council Hampshire County Council	Delivery of link road

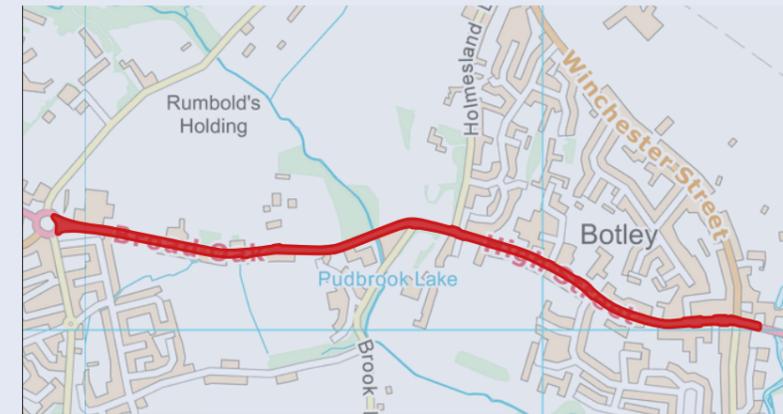
Local Area: Chandler's Ford & Hiltingbury

Local Area: Chandler's Ford & Hiltingbury			
Action		Organisations Involved	Key Performance Indicator
CFH1	Monitor pollutant concentrations, to include: - Upgrade and relocate monitoring equipment currently at Steele Close - Carry out focussed sampling exercises targeted at areas of local community concern	Eastleigh Borough Council	Move and upgrade completed by December 2021 Sampling study completed by March 2022
CFH2	Provide an off road cycle/pedestrian route along Hut Hill, linking Chandlers Ford with Chilworth	Hampshire County Council	Completion of scheme by May 2020
CFH3	Consider potential locations and funding sources to install electric vehicle charging points	Eastleigh Borough Council External partners	Increase number of available charge points, to be reviewed annually
CFH4	Investigate expanding Co-Wheels electric vehicle locations to Chandler's Ford	Eastleigh Borough Council	Add one new Co-Wheels location by September 2023

Local Area: Bishopstoke, Fair Oak & Horton Heath

Local Area: Bishopstoke, Fair Oak & Horton Heath			
Action		Organisations Involved	Key Performance Indicator
BIFOHH1	Improve traffic flow and increase facilities for active travel along Bishopstoke Road	Hampshire County Council	Cycleway Phase II completed by March 2020
BIFOHH2	Consider potential locations and funding sources to install electric vehicle charging points	Eastleigh Borough Council External partners	Increase number of available charge points, to be reviewed annually
BIFOHH3	Use the development at Horton Heath as an opportunity to promote sustainable practices	Eastleigh Borough Council	Maximise sustainable initiatives implemented in development by December 2025

Local Area: Hedge End, West End & Botley

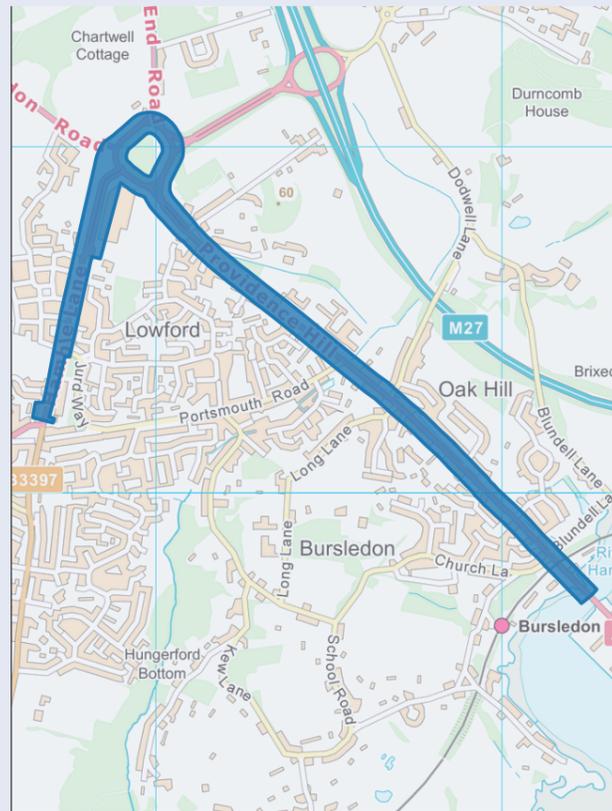


High Street Botley AQMA

Declared in 2011. An area covering a number of properties along High Street from the Maypole roundabout to the Winchester Street junction.

Local Area: Hedge End, West End & Botley			
Action		Organisations Involved	Key Performance Indicator
HEWEB1	Investigate expanding Co-Wheels electric vehicle locations to Botley	Eastleigh Borough Council	Add one new Co-Wheels location by September 2022
HEWEB2	Consider potential locations and funding sources to install electric vehicle charging points	Eastleigh Borough Council External partners	Increase number of available charge points, to be reviewed annually
HEWEB3	Delivery of Botley Bypass scheme	Hampshire County Council	Works commence by 2021 Completion of Bypass by December 2023
HEWEB4	Following completion of Botley Bypass, reduce HGVs using High Street	Eastleigh Borough Council Hampshire County Council	Reduce number of HGVs on Botley High Street following completion of Bypass

Local Area: Bursledon, Hamble-le-Rice & Hound



Hamble Lane Area AQMA

Declared in 2006 to cover an area covering a number of properties along Hamble Lane between the junctions with Jurd Way and Portsmouth Road. Amended in 2011 to extend north to Windhover roundabout. Amended in 2019 to include Windhover roundabout and the A27 to the river Hamble.



Local Area: Bursledon, Hamble-le-Rice & Hound			
	Action	Organisations Involved	Key Performance Indicator
BHH1	Monitor pollutant concentrations, to include: - Installation of a new continuous analyser to monitor nitrogen dioxide in the AQMA - Carry out focussed sampling exercises targeted at areas of local community concern	Eastleigh Borough Council	New site installed by June 2023 Sampling study completed by February 2021
BHH2	Further study to learn more about the proportion of different vehicles by age and type on Hamble Lane Area and the A27	Eastleigh Borough Council Consultants	Completion of study by January 2022

Local Area: Bursledon, Hamble-le-Rice & Hound			
	Action	Organisations Involved	Key Performance Indicator
BHH3	Liaise with neighbouring local authorities on their activities on the A27	Eastleigh Borough Council Southampton City Council Fareham Borough Council	Information sharing
BHH4	Work to increase the number of people using Hamble, Netley and Bursledon railway stations	Eastleigh Borough Council Hampshire County Council Community Rail Partnership	South Western Rail Communities Funding grant secured by February 2020 Funding for Hamble Station car park secured by June 2020 Increase number of people using stations, to be reviewed annually
BHH5	Investigate expanding Co-Wheels electric vehicle locations to Hamble	Eastleigh Borough Council	Add one new Co-Wheels location by September 2022
BHH6	Engage with Hampshire County Council on the Hamble Lane improvement scheme to ensure it supports our objectives	Hampshire County Council	Completion of scheme
BHH7	Engage with Highways England on the M3 Junction 8 and Windhover Roundabout improvements to ensure our objectives are supported	Highways England	Works commence by March 2020 Completion of scheme
BHH8	Consider potential locations and funding sources to install electric vehicle charging points	Eastleigh Borough Council External partners	Increase number of available charge points, to be reviewed annually
BHH9	Improve air circulation along Hamble Lane and the A27 through the management of trees	Eastleigh Borough Council Hampshire County Council	Completion of scheme by March 2025

