

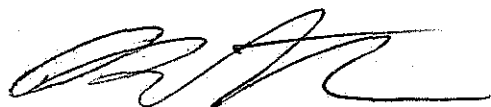
Caerphilly Council is currently in the process of producing an Air Quality Action Plan for submission to Welsh Government and has established an Air Quality Steering Group to produce the Action Plan. The Steering Group last met on 9th March 2017 and comprises of local residents, ward members, external stakeholders such as Public Health Wales and officers from the neighbouring boroughs of Blaenau Gwent and Torfaen along with appropriate representatives from across the Council.

A number of options have been considered for the area, some of which will be taken forward within the Action Plan. I have attached an excerpt from the Plan which lists those actions being considered. As you will see from the list, some of the measures aim to educate and encourage changes in behaviour and are not easily quantifiable in terms of air quality. Some options relate to the local infrastructure such as demolition of the properties on the southern side of the AQMA (Woodside Terrace) and the construction of a bypass route which will resolve the air quality issues for those receptors currently exposed. The infrastructure options will attract huge costs and without external funding cannot be realised by the Council.

A number of traffic management options such as gating the traffic outside of the AQMA and removing / redirecting HGVs out of the area have also been considered but discounted as actions to take forward due to the fact that the problem will be moved to elsewhere within the Borough.

Should you have any questions regarding the content of this letter or wish to discuss any of the actions further, please do not hesitate to contact either myself or Mrs Maria Godfrey on godfrm@caerphilly.gov.uk who will be pleased to advise you.

Yours Sincerely,



Rob Hartshorn
Head of Public Protection

5.2 Development of Proposed Measures

5.2.1 Strategic Measures

Integrating with local policies to compliment air quality measures, including the local transport plan, procurement plans and the Local Development Plan. This will ensure that future transportation and development decisions consider the impact on local air quality within the Borough.

5.2.1.1 Develop Local Policies in line with air quality

Measure	Title
M 1.	Integrate with local policies in line with air quality
Definition	Key Intervention
a. Local Development Plan b. Local Transport Plan c. AQ & Equipment contracts in place with Procurement	Development of policies that will work towards reducing pollutant levels and ensure future decisions within the area do not have an adverse effect on air quality
Responsible authority and other partners	Powers to be used
Caerphilly County Borough Council	Voluntary

5.2.1.2 Integrate with local well-being plans

Measure	Title
M 2.	5.2.1.3 Integrate with local well-being plans
Definition	Key Intervention
a. Integrate and raise awareness of air quality and the health issues attributable to poor air quality within the Caerphilly Assessment of Local Well being so that air quality is recognised and forms part of the Public Services Board decision making process.	Local well-being plans to reference air quality and link air quality and well-being.
Responsible authority and other partners	Powers to be used
Caerphilly County Borough Council	Voluntary

1.1.1.3 Provision of a local air quality strategy

Measure	Title
M 3.	Provision of local air quality strategy
Definition	Key Intervention
a. Link Caerphilly and Hafod-yr-ynys AQAPs to produce an integrated AQ strategy for Caerphilly CBC..	Revise Caerphilly AQAP and consider other areas within the Borough which are likely to exceed the air quality objectives
Responsible authority and other partners	Powers to be used
Caerphilly County Borough Council	Voluntary

5.2.2 Long Term Infrastructure

5.2.2.1 Investigate the feasibility of a bypass for traffic to remove from AQMA

Measure	Title	
M 4.	Investigate the feasibility of a bypass for traffic	
Definition		Key Intervention
a. One-way rerouting for south-bound vehicles (A472 traffic toward A467(south)).		Building a by-pass which diverts 12.5% traffic
b. Two-way re-routing for southbound (A472 traffic) and east-bound (A467 traffic coming from south)		Building a by-pass which diverts 25% traffic.
Responsible authority and other partners		Powers to be used
Caerphilly County Borough Council		Voluntary

5.2.2.2 Speed and Flow Management

Implement speed management to encourage the smoothing of traffic flow to reduce excessive acceleration and deceleration of vehicles through the AQMA. The existing gradient and change from dual to single carriageways (to East) – These may have added safety and noise benefit.

Measure	Title	
M 5.	Speed and Flow Management	
Definition		Key Intervention
a. Lower speed limit - zoning		To encourage smooth flow of traffic and discourage harsh breaking/accelerating within the AQMA.
b. Safety camera		
Responsible authority and other partners		Powers to be used
Caerphilly County Borough Council		Voluntary

5.2.2.3 Investigate the feasibility of the demolition of Woodside Terrace Housing

Measure	Title	
M 6.	Investigate the feasibility of the demolition of Woodside Terrace Housing	
Definition		Key Intervention
a. Remove all affected properties		Remove receptors and reduce canyon effect of air pollutants by allowing greater dispersion.
Responsible authority and other partners		Powers to be used
Caerphilly County Borough Council		Voluntary /compulsory purchase

5.2.3 Smarter Choices

Smarter choices are measures which encourage smarter travelling choices for local businesses schools and CCBC whose daily journey involves traveling through the AQMA.

5.2.3.1 Encourage Green Travel Plans for businesses, Schools and CCBC

Measure	Title
M 7.	Encourage Green Travel Plans for businesses, Schools and CCBC
Definition	Key Intervention
a. To encourage more efficient travel within the AQMA	Working with businesses, schools and CCBC within wider strategic AQAP.
Responsible authority and other partners	Powers to be used
Caerphilly County Borough Council	Voluntary

5.2.4 Development Control

5.2.4.1 Use of planning system, to secure air quality improvements

Measure	Title
M 8.	Use of planning system, to secure air quality improvements
Definition	Key Intervention
a. Planning system to contribute to improved air quality by not permitting developments which have a detrimental effect on air quality.	To use planning as a control on developments which could have an adverse impact on air quality.
Responsible authority and other partners	Powers to be used
Caerphilly County Borough Council	Voluntary

5.2.4.2 Require an air quality impact assessment for any proposed development likely to increase local traffic

Measure	Title
M 9.	Require an air quality impact assessment for any proposed development likely to increase local traffic
Definition	Key Intervention
a. Air Quality impact Assessment for any development likely to increase local traffic to demonstrate that air pollution concentrations will not increase.	To ensure that there is no adverse impact of air quality from proposed developments.
Responsible authority and other partners	Powers to be used
Caerphilly County Borough Council	Voluntary

5.2.5 Awareness

5.2.5.1 Publicise alternative transport available locally

Measure	Title
M 10.	Publicise alternative transport available locally
Definition	Key Intervention
a. Publicise alternative transport available locally through promotion of travel information	To encourage use of alternative transport to reduce traffic and congestion
Responsible authority and other partners	Powers to be used
Caerphilly County Borough Council	Voluntary

5.2.5.2 Work with the Policy team / Education to add air quality awareness to promotional and educational packages

Measure	Title
M 11.	Work with health improvement team / Eco schools to add air quality awareness to promotional and educational packages
Definition	Key Intervention
a. Work with health improvement team and Eco schools to add air quality awareness to promotional and educational packages	Work with Healthy Schools / Eco schools to raise awareness of the harmful effects of Air pollution and the ways in which the public can make smarter choices to reduce the burden of air pollution.
Responsible authority and other partners	Powers to be used
Caerphilly County Borough Council	Voluntary

5.2.5.3 Electronic pollutant signage within AQMA and local area

Measure	Title
M 12.	Electronic pollutant signage within AQMA and local area
Definition	Key Intervention
a. Electronic "pollutant signage within AQMA and local area"	Signage encourages drivers to switch off their engines in standing traffic queues, linked to signalling.
Responsible authority and other partners	Powers to be used
Caerphilly County Borough Council	Voluntary

5.2.5.4 Signs and banners for engine idling

Measure	Title
M 13.	Signs and banners for engine idling
Definition	Key Intervention
a. Signs and banners for approved variable message signs b. Switch-off stickers on taxis / public transport	Signage at key intersections, near junctions and on public transport / taxis encouraging people to switch off engines when traffic comes to a stop.
Responsible authority and other partners	Powers to be used
Caerphilly County Borough Council	Voluntary

5.2.6 Fleet Operators

5.2.6.1 Travel Plans for local HGV fleet operators

Measure	Title
M 14.	Travel Plans for local HGV fleet operators
Definition	Key Intervention
a. Travel Plans for Local HGV operators b. Identify alternative routes for local HGV traffic c. ECOstars programme	To reroute HGV traffic away from AQMA as far as practicable to reduce HGV traffic. Implement ECOstars programme to support local hauliers to save fuel, costs and emissions through training and education.
Responsible authority and other partners	Powers to be used
Caerphilly County Borough Council	Voluntary

5.2.7 Bus Emissions

5.2.7.1 Low emission buses within AQMA

Measure	Title
M 15.	Low emission buses within AQMA
Definition	Key Intervention
a. Work with local fleet operators to introduce low emission buses within AQMA route.	To reduce emissions from bus services traveling within the AQMA
Responsible authority and other partners	Powers to be used
Caerphilly County Borough Council	Voluntary

5.2.8 Cycling/Walking

5.2.8.1 Improve walking routes to and from school

Measure	Title
M 16.	Improve walking routes to and from school
Definition	Key Intervention
a. Improve walking routes to and from school	To encourage local residents to uptake active forms of transport
Responsible authority and other partners	Powers to be used
Caerphilly County Borough Council	Voluntary

5.2.8.2 Improvements in cycling network and routes

Measure	Title
M 17.	Improvements in cycling network and routes
Definition	Key Intervention
a. Improvements in cycling network and routes b. Signage/publicity of cycling network	To encourage use of existing network and improve and expand on network
Responsible authority and other partners	Powers to be used
Caerphilly County Borough Council	Voluntary

5.2.8.3 Green Travel Plans for schools and local businesses

Measure	Title
M 18.	Green Travel Plans for schools and local businesses
Definition	Key Intervention
a. Green Travel Plans for schools and local businesses	To encourage change in behaviour for traveling to and from school and work, encourage use of active travel for those living locally
Responsible authority and other partners	Powers to be used
Caerphilly County Borough Council	Voluntary

5.2.9 Caerphilly County Borough Council Emissions

5.2.9.1 Improvements CCBC Fleet

Measure	Title
M 19.	Improvements CCBC Fleet
Definition	Key Intervention
a. Improvements CCBC Fleet b. Newer and more fuel efficient fleet	Integrate air quality work with fleet management contracts. Trial electric vehicles within the Public Protection Department – lead the way.
Responsible authority and other partners	Powers to be used
Caerphilly County Borough Council	Voluntary

5.2.9.2 Encourage Car sharing for CCBC Staff

Measure	Title
M 20.	Encourage Car sharing for CCBC Staff
Definition	Key Intervention
a. Encourage Car sharing for CCBC Staff	Raise awareness of the problems of poor air quality among CCBC staff. Incentives for car share – designated parking areas within Council buildings, financial incentives for staff (extra mileage allowance for car share).
Responsible authority and other partners	Powers to be used
Caerphilly County Borough Council	Voluntary

5.2.10 Monitoring

5.2.10.1 Continue Monitoring NO₂ and increase monitoring network

Measure	Title
M 21.	Continue Monitoring NO ₂ and increase monitoring network
Definition	Key Intervention

a. Increase diffusion tube network to widen evidence base for measuring impact	To increase monitoring network to gather greater understanding of concentrations within AQMA
b. Installation of additional automatic monitoring station at façade of houses (true exposure location)	
Responsible authority and other partners	Powers to be used
Caerphilly County Borough Council	Voluntary

5.2.11 Traffic and Emissions Monitoring

5.2.11.1 Traffic monitoring

Measure	Title
M 22.	Install traffic monitoring
Definition	Key Intervention
a. Install traffic monitoring (inductive loops) to identify real-time traffic volumes, speeds and classification b. ANPR traffic information additionally provides age, Euro class and queuing information.	To increase traffic information: detailed traffic data to identify and correlate to 15minute/hourly pollution spikes for future analysis and modelling.
Responsible authority and other partners	Powers to be used
Caerphilly County Borough Council	Voluntary

5.2.11.2 Emissions monitoring

Measure	Title
M 23.	Investigate the feasibility of roadside remote emissions monitoring
Definition	Key Intervention
a. Investigate the feasibility of undertaking roadside remote emissions trials to identify specific gross polluter vehicles, provide vehicle classification, age and loading on vehicles through cross-road measurements and ANPR cameras.	To identify specific vehicles which emit the most pollutants to target intervention measures.
Responsible authority and other partners	Powers to be used
Caerphilly County Borough Council	Voluntary