

Annex 1: Progress on Measures to Improve Air Quality

Measure No.	Measure	EU Category	EU Classification	Lead Authority	Planning Phase	Implementation Phase	Key Performance Indicator	Target Pollution Reduction in the AQMA	Progress to date	Estimated Completion Date	Comments
1	Development and implementation of a bus based Clean Air Zone (CAZ) in city centre (based on frequency of entry of individual vehicles)	Promoting Low Emission Transport	Low Emission Zone	CYC	2016/2017	2018	Number of ultra low emission buses operating within York Inner Ring Road	<p>Every electric bus introduced into the CAZ will remove local emissions of NO₂ and PM₁₀ and reduce CO₂ emissions by approx 35 tonnes.</p> <p>Emission change modelling currently being undertaken by ITS at University of Leeds</p> <p><i>* Also, see table footnote</i></p>	<p>Emission change modelling currently being undertaken by ITS at University of Leeds</p> <p>OLEV bid to support purchase of additional electric P&R buses has been submitted and result awaited</p>	2018	<p>Individual buses crossing the inner ring road to be ultra low emission from 2018.</p> <p>The main costs are associated with new buses (cost to third party operators)</p>
2	Development and implementation of anti-idling measures	Traffic Management	Anti-idling enforcement	CYC	2016	2017	n/a	<p>At 5 busiest service bus locations, estimated savings per annum of 1,526kg NO_x, 36kg PM₁₀, 46,555kg CO₂, and 17,949 litres of fuel.</p> <p><i>*Also, see table footnote</i></p>	Enforcement policy currently being prepared.	Ongoing enforcement	Main cost is signage. May be some additional staffing and legal costs to be met

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3	Further development of Eco-stars fleet recognition scheme	Vehicle Fleet Efficiency	Fleet efficiency and recognition schemes	CYC	Scheme commissioned 2013	Funding identified to allow scheme to run until June 2017	Number of operators signed up to the scheme	A typical van operator could see its annual output of carbon dioxide fall by six tonnes per year (see http://www.eco-stars-uk.com/about-eco-stars/why-join/) *See table footnote	There are currently 66 companies signed up to the York ECO-stars scheme.	Funding identified to allow scheme to run until June 2017	The possibility of a local 'procurement' standard for vehicles used by, or to supply, CYC services is being investigated
4	Planning and delivery of CNG refuelling infrastructure	Promoting Low Emission Transport	Procuring alternative refuelling infrastructure to promote Low Emission Vehicles, EV charging, Gas fuel recharging	CYC and third party investor (yet to be identified)	ongoing	To be determined	To be determined	A vehicle running on CNG has significantly lower emissions of NO ₂ , PM ₁₀ and CO ₂ compared with a diesel equivalent. Detailed emission savings to be determined at planning application stage	Feasibility study completed 2015 Further work is needed to address deliverability, environmental and design issues and, where relevant, Green Belt purpose, before the proposals can be included within the Local Plan.	To be determined	Third party investment opportunities currently being explored

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5	Freight delivery and service plan for key city centre retailers and streets.	Freight and delivery management	Delivery and service plans	CYC	tba	tba	tba	*See table footnote	Freight improvement study undertaken in 2013, building on York City Centre Movement and Accessibility Framework recommendations.	tba	Currently on hold due to staff resources and funding
5a	Freight consolidation centre	Freight and delivery management	Freight consolidation centre	CYC and third part investor (yet to be identified)	ongoing	To be determined	Number of city centre businesses using consolidation centre.	To be determined *Also, see table footnote	Possible site located. Further work necessary before proposals can be included in the Local Plan.	To be determined	Third party investment opportunities currently being explored
6	Development and implementation of LES planning guidance	Policy guidance and development control	Air quality planning and policy guidance	CYC	2015	2016	Number of EV charging points conditioned through Planning	Aims to minimise additional emission impact of development. Emission savings generally calculated and reported per development.	LES planning guidance forms an Annex to AQAP3 and is already being actively implemented	ongoing	Developers may be required to off-set large emission damage costs via provision of on-site or off-site facilities and/or contribution towards wider LES measures in York.
7a	Financial incentive for low emission taxi purchase	Promoting low emission transport	Taxi emission incentives	CYC	2014	2015/2016	Number of low emission taxis purchased through local grant scheme	A hybrid taxi produces approx 8 tonnes per annum of CO ₂ less than a diesel equivalent and has considerably lower emissions of NO _x and PM ₁₀ . *Also, see table footnote	50 low emission taxis purchased through the scheme to date.	Funding for local scheme expired March 2016.	Alternative funding currently being sought to support further implementation of the scheme.

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7b	Taxi licensing emission controls	Promoting low emission transport	Taxi licensing conditions	CYC	2016	2017	Number of low emission taxis present in the CYC taxi fleet	<i>*See table footnote</i>	New Taxi Licensing Policy approved April 2016	Conditions apply from 1 June 2017 for replacement hackney carriage vehicles, and from 1 Nov 2017 for replacement private hire vehicles.	<p>Following conditions approved by licensing committee in April 2016:</p> <p>Vehicles applying to be licensed as taxis must meet a minimum Euro 5 emission standard for petrol, Euro 6 for diesel, or be ultra low emission vehicles from 1 June 2017 for replacement hackney carriage vehicles, and from 1 November 2017 for replacement private hire vehicles.</p> <p>Operators may experience some increased vehicle replacement costs.</p>
8	Planning and delivery of strategic EV charging network	Promoting Low Emission Transport	Procuring alternative refuelling infrastructure to promote Low Emission Vehicles, EV charging, Gas fuel recharging	CYC	Ongoing	Ongoing	Number of recharging events per month at CYC operated charging points	<i>*See table footnote</i>	Successful Ultra Low Emission City bid January 2016	Ongoing	Funding will allow introduction of solar charged EV points at P&R sites and regional expansion of York EV charging network

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9a	Reducing CYC 'grey fleet' trips	Alternatives to private vehicle use	Car clubs	CYC	Ongoing	Ongoing	In 2014, CYC was awarded the Energy Saving Trust's 'Fleet Hero' award for reducing annual business travel mileage by 20%, CO ₂ emissions by 23% and number of vehicles used by 21% (based on 2013 figures).	*See table footnote	<p>CYC has worked in partnership with city car club to provide a pool of low emission cars for exclusive use by CYC staff during office hours. Outside these hours vehicles are shared with other registered club users.</p> <p>In 2015/16 there were 265 CYC car club users, collectively making 6,590 journeys and covering 95,423 miles.</p>	Ongoing	<p>Achieved via a comprehensive suite of green fleet measures.</p> <p>CYC membership of car club has significantly reduced the number of people using their own private vehicles on CYC business.</p>
9b	Introduction of low emission vehicles into CYC fleet	Promoting Low Emission Transport	Company vehicle procurement – prioritising uptake of low emission vehicles	CYC	ongoing	ongoing	Number of full electric and electric hybrid vehicles in CYC fleet	*See table footnote	As well as promoting use of low emission car clubs Public Protection also operates an electric pool car vehicle.	Ongoing	The bulk of the LCV fleet is currently mid-life, so it will be 2018/19 before any potential electric vans could replace the current diesel vehicles.

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9c	CYC Eco-driver training and vehicle emission controls	Vehicle Fleet Efficiency	Driver training and Eco aids	CYC	ongoing	ongoing	Number of CYC staff obtaining ECPO driver training	*See table footnote	Lightfoot trial completed CYC currently undertaking a fuel additive trial and programme of driver training	Ongoing	CYC has trialled lightfoot technology in CYC vehicles and the overall telematics requirement for the CYC fleet is currently being reviewed CYC currently undertaking a fuel additive trial claimed to reduce emissions and improve fuel consumption. CYC have recently commissioned a programme of mandatory driver training for HGV drivers which includes an eco-driving element.
10	Marketing and Communications Strategy	Public Information	Via the internet Via other mechanisms	CYC	2016	2017	Number of hits on upgraded JorAir website per annum	Not easily quantifiable *See table footnote	Scope of upgrade to JorAir website currently under discussion	April 2017	Main project will be upgrade of JorAir website. Scope of upgrading works and costs still under discussion. Main improvements to include better data dissemination, more health advice, better use of social media.

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11a	Local incentives for low emission vehicles and alternative fuel use – EV chargers / demonstrators for businesses	Promoting Low Emission Transport	Company Vehicle Procurement – Prioritising the uptake of low emission vehicles	CYC	Winter 2015	Spring 2016	Number of businesses that have installed EV charging and trialled demonstrator vehicle per annum	Target 10 companies	Electric vehicle leased for 3 years (until May 2019) EV Charging installed at 6 business premises in March/April 2016	Ongoing	Additional funding currently being explored for second demonstrator vehicle
11b	Local incentives for low emission vehicles and alternative fuel use – Priority parking / reduced parking fees for low emission vehicles / reduced entry fees for attractions/ freebies	Promoting Low Emission Transport	Priority parking for LEVs	CYC	ongoing	ongoing	Number of low emission permits issued	<i>*See table footnote</i>	A total of 1,217 Low Emission Permits were issued between 01/01/2015 – 31/12/2015. The breakdown is: Resident Household - 711 Temporary Household – 96 Season – 283 Special Control Household – 5 House of Multiple Occupancy – 14 Community Staff – 50 Commercial – 7 Business – 4 Frequent User Pass – 3 Resident Contract Marygate - 6 Resident Contract Fossbank - 19 Resident Contract Monkbar - 14 Resident Contract Nunnery Lane – 5	ongoing	York residents are currently entitled to a discount of 50% on the price of parking permit if they operate a low emission vehicle

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12	Attracting Low Emission industries, businesses and jobs to York	Policy guidance and development control	Other policy	CYC	ongoing	ongoing	tba	Not quantifiable <i>*See table footnote</i>	tba	ongoing	Will support wider air quality improvement measures
13a	Modal shift and network improvement measures – I travel York campaign	Promoting travel alternatives	Intensive active travel campaign and infrastructure Includes: - Personalised travel planning - Promotion of walking - Promotion of cycling - school travel plans - workplace travel plans	CYC	ongoing	ongoing	% mode split or walking/cycling/bus vs conventional car drivers and car passengers % car trips into city centre	Target to increase modal shift away from conventional car <i>*See table footnote</i>	tba	ongoing	i-Travel ongoing programme
13b	Bus improvements	Transport planning and infrastructure	Public transport improvements interchanges, stations and services	CYC	ongoing	ongoing	National Annual Passenger satisfaction survey	Aim to increase uptake of public transport	Bus improvements in progress	2018	Rougier Street improvements to be completed by end of year
13c	Continued delivery of other LTP measures	Transport planning and infrastructure	Cycle network Bus route improvements	CYC	ongoing	ongoing	BBA investment, bus wardens, cycle infrastructure investment	<i>*See table footnote</i>		ongoing	BBA maintaining bus infrastructure and Sustrans maintaining cycle infrastructure
14	Regulation of industrial and domestic emissions	Environmental Permits	Introduction/Increase of Environment charges through permit systems and economic instruments	CYC	ongoing	ongoing	Number of scheduled inspections completed per annum	<i>*See table footnote</i>		ongoing	Scheduled inspections undertaken by CYC public protection staff.

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15	Provide more green infrastructure	Policy guidance and development control	Regional groups co-ordinating programmes to deliver area wide strategies to reduce emissions and improve air quality	West Yorkshire Combined Authority	complete	ongoing	tba	<i>*See table footnote</i>	tba	ongoing	-
Additional measures – not listed specifically in current AQAP											
16	Further conversion of diesel double decker tour buses to electric	Vehicle Fleet Efficiency	Vehicle Retrofitting projects	CYC	2015	ongoing	Number of buses converted to electric	<i>*See table footnote</i>	One demonstration bus converted, five further buses to be converted	December 2016	Cleaner bus technology funding £475K obtained to support this (2015)
17	Retrofitting of school buses	Vehicle Fleet Efficiency	Vehicle Retrofitting projects	CYC	2015	ongoing	Number of retrofitted school buses	-	28 buses to be converted	September 2016	Cleaner bus technology funding £308K obtained to support this
18	Solar panels at electric P&R sites	Promoting Low Emission Transport	Procuring alternative refuelling infrastructure to promote Low Emission Vehicles, EV charging, Gas fuel recharging	CYC	2016	2017	Amount of energy generated by solar panels	Supply green energy to encourage the uptake of EVs	Funding awarded	2018	LGF bids for LCR and NY to match-fund Go Ultra Low funding

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19	Hyper Hubs	Promoting Low Emission Transport	Procuring alternative refuelling infrastructure to promote Low Emission Vehicles, EV charging, Gas fuel recharging	CYC	2016	2017	5-6 Hyper Hubs providing ultra fast charging for EVs with high resilience	tba	Funding awarded	2018	£816K ultra low emission city bid funding obtained to support this project