### Annex 3

## Results of AQAP3 stage 1 screening

### **HEADLINE MEASURES**

Direct actions that can be implemented now to reduce emissions from existing vehicles:

Measure 1: Development and implementation of a Clean Air Zone (CAZ)

Measure 2: Development and implementation of anti-idling measures

Measure 3: Further development of Eco-stars fleet recognition scheme

### **FUTURE MEASURES**

# Plans and actions that will be implemented over the next 6 years to reduce emissions:

Measure 4: Planning and delivery of CNG refuelling infrastructure in York

Measure 5: Reducing emissions from freight

Measure 6: Development and implantation of LES based planning guidance

Measure 7: Reducing emissions from taxis

Measure 8: Planning and delivery of strategic EV charging network

Measure 9: Reducing emissions from CYC fleet

## **SUPPORTING MEASURES**

# That will help to win 'hearts and minds' and encourage local engagement in AQAP3 delivery

Measure 10: Marketing and communications strategy

Measure 11: Local incentives for low emission vehicles and alternative fuel use

Measure 12: Attracting low emission industries, business and jobs to York

# That will continue to tackle congestion and deliver sustainable transport improvements

Measure 13: Modal shift and network improvement measures

### That will deliver other air quality improvement measures

Measure 14: Regulation of industrial and domestic emissions

Measure 15: Provide more green infrastructure in the city

### Table key

Impact	Cost				
Positive impact	£	<£10,000			
Neutral impact	££	>10,000 < 50,000			
Negative impact	£££	>50,000 < 100,000			
	££££	>100,000			

Measure 1	Measure 1 Development and implementation of a Clean Air Zone (CAZ)							
Key intervention								
Setting of differen	ntial	emiss	sion sta	ndards for buses entering the inner ri	ng road based	on freque	ency of bus entry.	
Expected outcom								
	ment	ts on	inner ri	ng road will be electric (zero emissior	n) by 2018.			
Target								
Emission sources					Local buses			
AQMAs where en	nissic	ons ar	re expe	cted to reduce due to this measure	City centre	Fulford	Salisbury Terrace	
<b>Key Actions</b>					Responsibili	ty	Target date	
(a) Develop a road	dmap	p for	low em	ission buses	CYC		completed	
(b) Develop draft	prop	osal	for CAZ	and consult with bus operators	CYC		ongoing	
(c) Implement CA					CYC		2018	
				funding / loans for vehicle upgrades	CYC		ongoing	
` '				air quality and emissions	CYC		ongoing	
Estimated impler	ment	ation	cost	Direct costs to CYC (implementation		-	ГВА	
				Cost of bus upgrades to meet requi				
Estimated emissi savings	ion /	fuel		Every electric bus introduced into t of NO2 and PM10 and reduce CO2				
Proposed funding	g stre	eams		Routine operator investment	Develo	per contril	butions	
				Green Bus Fund bids	Cleaner B	us Techno	logy Fund bids	
Related LES meas	sures	5		9G,9I,8J,8L,4J				
Links to council p	lan			Improving air quality, healthy lives,	efficient and a	ffordable	transport,	
				environmentally sustainable city				
Expected impacts	s	over	all c	omment				
Local economy			L	ow emission buses will improve the in	nage of the cit	y with pos	itive implications for	
				ourism and inward investment				
Feasibility			0	imilar schemes already in place in Oxf perational in York.				
Congestion				o change to bus numbers, may be a s nore attractive to current car users or				
Capital costs		££££		pgrading of buses involves high costs y grant applications	but where po	ssible thes	e will be met or offset	
Revenue costs		£	A	After initial scheme set up resourcing	costs will be lo	W		
Local air quality				ero emission buses will result in signif cross the city, especially in AQMAs	icant emission	reduction	s for NO <sub>x</sub> and particles	
Greenhouse gas				educed emissions of CO <sub>2</sub> in York. Less	s CO <sub>2</sub> produce	d from ger	neration of electricity	
emissions				eeded to run electric buses than that	•	_	= -	
				se of green electricity tariffs can impr	-	•	J	
Planning and			Ir	mproved air quality offers more oppor	tunity for city	centre livi	ng. Zero emission	
development			b	uses lessen environmental impact of	ncreased dem	and on pu	blic transport from	
				opulation growth. Contributions tow evelopers	ards low emiss	sion buses	can be sort from	
Socio-economic				npact on bus fares currently unknowr	Some may r	ass on fue	ol cost savings to	
Jocio-Economic			re	educe fares, others may pass on cost of			_	
				crease fares				
Communities				o loss of bus services anticipated as a				
				rovision of easy access buses on some	routes. Will i	mprove pu	ıblic health and the	
D. Island				nvironment.			. h	
Public perception	1			eplacement of older diesel buses with	n newer, clean	er, quieter	buses likely to have	
				ositive implications				
Other benefits			R	educed noise from vehicles, improved	l passenger ex	perience		
<u> </u>								

Measure 2 D	evelopme	nt an	d implementation of anti-i	dling measures				
Key intervention								
Engagement with vehicle operators to highlight economic and environmental impacts of idling.								
Expected outcome								
Reduced idling emi	ssions							
Target								
Emission sources				Local service buse	es, coaches, HGVs			
AOMAs where emissions are expected to reduce due to								
this measure		•			City centre			
<b>Key Actions</b>				Responsibility	Target date			
(a) Undertake anti-	idling feas	ibility	study	CYC / consultant	completed			
(b) Develop draft p	roposal ar	nd con	sult with stakeholders	CYC	2015			
(c) Draw up deliver	y program	me fo	or anti-idling measures	CYC	2015			
(d) Implement anti-	-idling me	asures	5	CYC	To be determined			
(e) Evaluate impact				CYC	Ongoing after implementation			
Estimated impleme	entation c	ost	£34,500 (based on 3 year	rs with enforcemen	t), less without enforcement			
Estimated emission	n / fuel				imated savings per annum of 1,526kg			
savings				-	res of fuel (assuming no idling from			
			•		pated to be much higher if enforced at			
			all locations and inclusive	e of all vehicle types	5.			
Proposed funding			To be determined					
Related LES measu			4B, 4F					
Links to council pla	n			-	and affordable transport,			
_	1		environmentally sustaina	ble city				
Expected impacts	overall	com	ment					
Local economy		Redu	uced idling will improve the	e image of the city v	with positive implications for tourism			
		and	inward investment.					
Feasibility		Simi Dud		e around the UK eg	g. North Lincs, Croydon, Scotland,			
Congestion		May	help to discourage waiting	which could assist	congestion			
Capital costs	£	Som	e small costs associated wi	th signage - possib	ly from Better Bus Area 2 Fund TBC			
Revenue costs	£	Staff	ing costs – possibly from B	etter Bus Area 2 Fu	and TBC			
Local air quality		Redu	uced emissions will have po	ositive impact on lo	cal air quality			
Greenhouse gas emissions		Sign	ificant reduction in local CC	O <sub>2</sub> emissions				
Planning and development					city centre living. Anti-idling measures associated with population growth.			
Socio-economic	11111	No ii	mplications					
Communities		Will	help protect public health	and improve the er	nvironment.			
Public perception		more	e pleasant environment.		about this issue and create a safer and			
Other benefits					cies and could result in considerable d noise from idling vehicles.			

Measure 3 Further development of ECO-stars fleet recognition scheme								
Key intervention								
		_	-		ions from their fleets through			
		niques, improved fuel mar	nagement and ve	ehicle upgradii	ng 			
Expected outcom								
Reduced emission	s from fleet	vehicles						
Target			Τ					
Emission sources			buses, coaches	s, HGVs, LGVs	(possible expansion to taxis)			
AQMAs where em to this measure	nissions are	expected to reduce due	City centre	Fulford	Salisbury Terrace			
Key Actions			Responsibility		Target date			
(a) Implement ECO	O-stars sche	me in York	CYC / consulta		Completed (March 2013)			
		t ECO-stars scheme	consultant		Completed December 2014			
(d)Investigate futu			consultant		ongoing			
			CYC / consulta	nt				
	-	O-stars beyond 2014 tinue the scheme)	Cic/ consulta	IIL	December 2015			
Estimated implen		,	l ed until Decemb	er 2015 – addi	l itional costs approximately			
cost		£30,000 annum	ca andi Decemb	c. 2013 - auu	ιτιστιαί 60363 αργιολιπαίτεις			
Estimated emission	on / fuel	Total for whole scheme i	is unknown. Figi	ures are availa	ble for some individual			
savings		operators.	-6					
Proposed funding	streams	To be determined						
Related LES meas	ures	3A,4A,6A,3C,4E,6G, 7F,3	E,4H,5G,6L,7N					
Links to council p	lan	Improving air quality, healthy lives, efficient and affordable transport,						
	T		able city, encour	aging and sup	porting a green economy			
Expected	overall	comment						
impacts		Improved driving behavi	our and classes	vahialas vill ir	maraya tha imaga of the city			
Local economy					mprove the image of the city street. The implementation			
					fuel cost-savings for local			
		operators allowing them to become more competitive						
Feasibility		Eco-stars is already operational in York.						
Congestion		No impact on congestion	1					
Capital costs		Scheme already operation	onal no further c	apital costs an	ticipated			
Revenue costs	£££	Staffing /consultancy cos	sts associated wi	th continuing	the scheme beyond Dec 2015			
Local air quality		Reduced emissions will h	·					
Greenhouse gas emissions		ECO-stars membership a both in York and the wid			ssions of greenhouse gases scheme operators			
Planning and		Eco-stars membership ca	an help offset th	e impact of inc	creased economic activity and			
development		population growth.						
Socio-economic		ECO-stars is free to join a fleet operators as long a			ore equally accessible to all			
Communities		No implications	Strey are willing	so provide til	e necessary neet data.			
Public		Improved driver behavio	our and cleaner v	ehicles likelv t	to have a positive impact on			
perception		public perception of bus		-				
Other benefits		Eco-driving techniques a vehicles can help reduce			and alternatively fuelled			

Measure 4	Planning an	nd deli	very of CNG refuellir	ng infrastructure in	n York							
Key intervention	า											
			ed to enable fleet ope both offer reduced e									
,		vviiicii	both offer reduced e		ila giobai	an ponatant						
Expected outcome		l bio n	nethane as an alterna	ntivo fuol within lo	al floots							
Target	e of CNG and	וו-טוט ו	iethane as an aitema	itive luei within loo	ai neets							
	Emission sources Local service buses, coaches, HGVs, LGVs (potential for											
expansion to other vehicles e.g. taxis )												
AQMAs where emissions are expected to reduce due												
to this measure		•		,			,					
Key Actions				Responsibility		Target date	e					
(a) Investigate fe	easibility of e	stablis	shing a CNG	CYC / external co	nsultant	Completed	l March 2015					
			al demand levels									
	_	kterna	l investment in a	CYC / external co	nsultant	Ongoing						
CNG refuelling p		<u> </u>		0)(0 / 1   1	1							
(c)Deliver a CNG	refuelling pl	ant in	York	CYC / external co	nsultant	To be dete	rmined					
Estimated imple	mentation c	ost	To be determined –	likely to be privat	ely funded	t						
Estimated emiss	sion / fuel		A vehicle running o									
savings			CO <sub>2</sub> compared with									
			of conversion, size				O <sub>2</sub> arise from use of					
5 16 11			bio-methane (gas d									
Proposed fundir	ng streams		Private investment,	Developer contrib	outions, Gi	rant scheme	S					
Related LES mea			2F,2G,2H,3D,3F,6N,									
Links to council	plan		Improving air qualit									
			environmentally su	stainable city, enco	ouraging a	nd supporti	ng a green					
Expected	overall	Com	economy ment									
impacts	Overall	Com	mene									
Local economy		Redu	ices operator transpo	ort costs, creates n	ew indust	ry and jobs,	allows late night					
		deliv	eries and improveme	ent of public realm, can help facilitate development of								
		_	ht consolidation facil			•						
Feasibility		CNG	refuelling plants alre	ady operational in	Leeds and	d Sheffield						
Congestion		Quie	ter operation of CNG	vehicles may allow	w some de	eliveries to o	ccur later at night					
- congernon			arlier in the morning I	-			_					
Capital costs	ffff	High	capital costs involved	d but should be ab	le to attra	ct private in	vestment					
Revenue costs	££	Som	e CYC staffing resour	res required to del	iver the n	roject hut w	ill he met from					
Meveriue COSIS	LL		ing staffing resources	•		-						
			ator.	2011601 (011111103	24. 32 603	to will be file	, pillate					
Local air quality			and bio-methane pro	oduce less NO <sub>x</sub> and	I PM							
Greenhouse gas			and bio-methane off		_	-	with diesel engines.					
emissions			methane can be prod									
Planning and			k is ongoing to try an	d secure a site for	CNG refue	elling infrastr	ructure within the					
development			l Plan allocations									
Socio-economic			ence of CNG / bio-me ators which in turn sl	_		-						
Communities			nplications	- p - 55.5.50		. 0.2.244						
Public perceptio	n		be some local object	ions to developme	ent of refu	elling infrast	ructure.					
Other benefits		Redu	ıced vehicles noise le	vels, potential dive	ersion of v	vaste from la	andfill or					
		incin	eration to produce b	io-methane.			Reduced vehicles noise levels, potential diversion of waste from landfill or incineration to produce bio-methane.					

#### Measure 5 Reducing emissions from freight **Key intervention** Introduction of delivery and servicing plans for major organisations and key streets in the city and provision of a freight transhipment centre (FTC) **Expected outcome** Reduction in the number and size of delivery vehicles entering the city centre and other AQMAs. More deliveries being made by foot, cycle or low emission vehicle. **Target Emission sources** HGVs, LGVs AQMAs where emissions are expected to reduce due City centre **Fulford** Salisbury Terrace to this measure **Key Actions** Responsibility Target date CYC / external consultant (a) Undertake a freight improvement study Completed (June 2013) (b) Draw up an action plan for freight improvement CYC (CS) **TBA** based on finding of freight improvement study. To include mechanism and timescale for delivery of a **Estimated implementation cost** TBA TBA Estimated emission / fuel savings **Proposed funding streams** Private investment, Grant funds **Related LES measures** 3B,9A,9C,9E Links to council plan Improving air quality, healthy lives, efficient and affordable transport, environmentally sustainable city, encouraging and supporting a green economy **Expected** overall comment impacts Local economy Removal of some HGVs from the network and rescheduling of deliveries would improve reliability of deliveries for local businesses and create a more pleasant environment for shoppers and visitors. FTC would create new jobs. Feasibility FCC centres are operational in Newcastle and Bath. Ongoing discussions with a logistics Congestion Would help tackle city centre congestion particularly in shopping streets outside foot street hours Capital costs ££££ Scheme would need considerable investment from private sector Revenue costs £££ Staffing and operation of the FTC. Reduced HGV emissions will have positive impact on local air quality. Local air quality Greenhouse gas Reduced HGV emissions will have a positive impact on greenhouse gas emissions emissions Planning and The Local Plan recognises the need for freight consolidation facilities development Socio-economic No implications Communities No implications **Public** Removal of queuing HGVs from city centre in the morning will improve public realm. perception Other benefits Removal of large HGVs from the city centre will help protect historic buildings. CNG refuelling and freight consolidation potentially can be linked together to provide delivery to city centre by low emission CNG vehicles.

Measure 6	Dev	elopr	nent	and	implementation of LES	based plannir	ng guidance			
Key interventio	n				-					
Development of their developme	Development of local planning guidance that will require developers to fully demonstrate the emission impact of their development, calculate emission damage costs and provide emission mitigation in the form of on-site low emission measures and/or contributions towards the provision of wider low emission infrastructure									
•	Expected outcome									
Minimisation of	deve	elopm	nent r	elat	ed emissions and financi	al support for	low emission in	frastructure projects		
Target										
Emission sources  Development related transport and vehicles that servinew developments e.g buses, refuse collection										
AQMAs where e	emiss	ions a	are ex	cpec	ted to reduce due to	City centre	Fulford	Salisbury Terrace		
this measure										
Key Actions		_				Responsibili	ty	Target date		
					nts into draft LDP	CYC		Completed		
(b) Develop new	v LES	plani	ning g	guid	ance	CYC		Completed July 2015		
Estimated imple	emen	itatio	n cos	t	No additional costs out Additional staff may be		_			
Estimated emis	sion ,	/ fuel	ı		These will be calculated	d and reported	d per developme	nt. The cumulative		
savings					emission savings per ar	num are likel	y to be very large	e for NO <sub>x</sub> , PM and		
Proposed fundi	ng sti	ream	S		greenhouse gases.  No additional funding r	equired for de	evelopment of gu	uidance note		
Related LES me					2F,2G,1M,1G,2B,2C,2H					
Links to council					Improving air quality, h		fficient and affor	rdable transport.		
	<b>P</b>				environmentally sustainable city, encouraging and supporting a green economy					
Expected impac	cts	ove	rall	Co	omment					
Local economy							development re	lated emissions will help		
E th tite.					aximise development op	•	d t d :	in Dundford Other		
Feasibility					S based planning guidan			se in Bradford. Other J. West Midlands, Sussex		
Congestion			П		lo impact on congestion					
Capital costs			$\coprod$	No	o capital cost implication	S				
Revenue costs		££		ar	nd to check the accuracy	and effectiver	ness of emission	y with the new guidance impact assessments and		
Legal air avalitu					itigation plans. In the lo	-		_		
Local air quality					_		•	ner deterioration in local air rquality improvement in		
					me cases.	c.opinciit alla	ay result iir aii	. Agained improvement in		
Greenhouse gas emissions	5			LE	S planning guidance will	also help redu	ıce greenhouse န	gas emissions		
Planning and				LE	S planning guidance prin	ciples already	embedded into	draft Local Plan. Enables		
development					w emission measures to					
Socio-economic					evelopers may add on co ests which may exclude so			operty purchase / rental		
Communities					nables low emission mea			developments		
Public perception	n							ssion vehicles and travel		
				to	_	-		elopments more attractive v emission measures to the		
Other benefits				Co er be tra	ontributions towards low nission infrastructure wil eyond development sites	I have positive and help to a have a clear i	e air quality and chieve a general ndication of wha	improvement in public at is expected from them		

Measure 7 Reducing emissions from taxis								
Key intervention								
Introduction of ince	entives an	d licen	sing requirements th	nat will encourage rep	lacemen	t of older	r diesel taxis	
				There are currently 75				
<b>Expected outcome</b>							·	
Removal of older d	iesel vehic	les fro	om taxi fleet					
Target								
Emission sources Hackney and private hire taxis (particularly diesel vehicles)								
AQMAs where emis	ssions are	expec	ted to reduce due	City centre	Fulfor	d	Salisbury Terrace	
to this measure								
Key Actions				Responsibility		Target (		
(a) Develop a local		for the	uptake of hybrid	CYC		In opera	ation	
vehicles in the taxi								
(b) Secure funding	to continu	ie hybi	rid taxi incentive	CYC		ongoing	S	
(c) Review emission	n standard	ls for t	axis	CYC		Comple	ted July 2015	
(d) Consult on revis	sed emissi	on sta	ndards for taxis	CYC		Decemb	oer 2015	
(e) Adopt new emis	ssion stand	dards f	for taxis	CYC		April 20	16	
Estimated impleme			ТВС	<u> </u>	l	<u>'</u>		
Estimated emission			A hybrid taxi produ	ices approx 8 tonnes p	er annur	n of CO2	less than a diesel	
savings	,			considerably lower er				
			taxi fleet have alrea	ady been converted to	hybrid o	or electric	c through the	
			existing grant sche	me.				
Proposed funding	streams		OLEV funding bid b	peing developed				
Related LES measu	res		5A,5B,5C,5D,5E,5F,					
Links to council pla	ın			ty, healthy lives, effici	ent and a	affordabl	e transport,	
	1		environmentally su	istainable city				
Expected	overall	comi	ment					
impacts		A ala	an ar tavi flaat will in	nprove the image of th	o city wi	th positiv	in implications for	
Local economy				iprove the image of the	ie city wi			
		tourism and inward investment. Use of hybrid vehicles offers considerable fuel cost-					ncidarable fuel cost-	
				-	vehicles (	offers co	nsiderable fuel cost-	
Feasibility		savin	igs for local taxis ope	erators.		offers coi	nsiderable fuel cost-	
Feasibility		savin	igs for local taxis ope	-		offers coi	nsiderable fuel cost-	
Feasibility Congestion	11   1	savin Hybr	igs for local taxis ope	erators. been very successful t		offers coi	nsiderable fuel cost-	
Congestion	I I I	savin Hybr No ir	igs for local taxis ope id taxi incentive has mpact on congestion	erators. been very successful t	o date			
,		Savin Hybr No ir	igs for local taxis ope id taxi incentive has inpact on congestion th level of capital inv	erators. been very successful t	o date	se replac	ement of the	
Congestion	EEEEE EEE	No ir	igs for local taxis ope id taxi incentive has mpact on congestion th level of capital inverty of the taxi fleet	erators. been very successful t estment is needed to with hybrids. Grant fu	o date incentivis	se replac needed t	ement of the o meet this cost.	
Congestion Capital costs		No ir	igs for local taxis ope id taxi incentive has mpact on congestion th level of capital inverty of the taxi fleet	erators. been very successful t estment is needed to with hybrids. Grant fu	o date incentivis	se replac needed t	ement of the o meet this cost.	
Congestion Capital costs		No in  A hig majo  Curre sche	igs for local taxis operid taxi incentive has inpact on congestion the level of capital invertiy of the taxi fleet ently being met throme would require fu	erators. been very successful t estment is needed to with hybrids. Grant fu	o date incentivis inding is , any sign	se replac needed t nificant e	ement of the o meet this cost.	
Congestion Capital costs Revenue costs Local air quality Greenhouse gas		No in  A hig majo  Curre schee	igs for local taxis operiod taxi incentive has impact on congestion the level of capital invertity of the taxi fleet tently being met through would require functed emissions will have	erators. been very successful to estment is needed to with hybrids. Grant further resources rther resourcing.	o date incentivis inding is , any sign	se replac needed t nificant e	ement of the to meet this cost. expansion of the	
Congestion Capital costs Revenue costs Local air quality Greenhouse gas emissions		No in  A hig majo  Curre schel Redu	igs for local taxis operid taxi incentive has incentive has inpact on congestion the level of capital invertiy of the taxi fleet ently being met through would require functed emissions will had been some would had been some would had been some will had been some will had been some will had been some will had been some some some some some some some some	estment is needed to a with hybrids. Grant further resourcing. ave positive impact of ave a positive impact of a positiv	incentivisinding is , any sign	se replac needed t nificant e quality house ga	ement of the to meet this cost.  Expansion of the semissions	
Congestion  Capital costs  Revenue costs  Local air quality  Greenhouse gas emissions  Planning and		No in  A hig majo  Curre schel Redu  Clear	igs for local taxis operiod taxi incentive has incentive has inpact on congestion the level of capital invertity of the taxi fleet the ently being met through would require functed emissions will had been taxis can help off	estment is needed to with hybrids. Grant funds resources rther resourcing.	incentivisinding is , any sign	se replac needed t nificant e quality house ga	ement of the to meet this cost.  Expansion of the semissions	
Congestion  Capital costs  Revenue costs  Local air quality  Greenhouse gas emissions  Planning and development		No in  A hig majo  Curre schel Redu  Clear popu	igs for local taxis operiod taxi incentive has inpact on congestion the level of capital invertity of the taxi fleet wently being met through would require functed emissions will hanced emissions will hancer taxis can help offulation growth.	estment is needed to with hybrids. Grant further resourcing. ave positive impact of set the impact of incresses the impact of	incentivisinding is any sign	se replace needed to nificant endity house ga	ement of the to meet this cost.  Expansion of the semissions  Ctivity and	
Congestion  Capital costs  Revenue costs  Local air quality  Greenhouse gas emissions  Planning and		No ir A hig majo Curre schel Redu Clear popu May far as	igs for local taxis operiod taxi incentive has incentive has inpact on congestion the level of capital invertiy of the taxi fleet vently being met through would require functed emissions will have emissions will have taxis can help offulation growth.	estment is needed to it with hybrids. Grant further resourcing. ave positive impact or ave a positive impact of set the impact of incressential purchase costs on of local vehicle grant.	incentivisinding is a local air on green eased economic for new ats. Drive	se replace needed to nificant endity house ga onomic and drivers beers should	ement of the to meet this cost.  Expansion of the semissions ctivity and these are offset as	
Congestion  Capital costs  Revenue costs  Local air quality  Greenhouse gas emissions  Planning and development  Socio-economic		No ir A hig majo Curre schel Redu Clear popu May far as signir	igs for local taxis operiod taxi incentive has incentive has impact on congestion the level of capital invertity of the taxi fleet ently being met through me would require functed emissions will had been taxis can help offulation growth.  The besome increased was possible by provision ficant fuel cost saving increased was possible by provision.	estment is needed to a with hybrids. Grant further resourcing. ave positive impact or ave a positive impact of set the impact of incressent of local vehicle grangs over lifetime of vehicles.	incentivisinding is a local air on green eased economics. Drive icle own	se replace needed to nificant endity house gat onomic and drivers be ers should ership.	ement of the to meet this cost.  Expansion of the semissions  Ctivity and these are offset as d experience	
Congestion  Capital costs  Revenue costs  Local air quality  Greenhouse gas emissions  Planning and development		No in  A hig majo  Curre schell  Redu  Clear popu  May far as signif	ings for local taxis operation in taxi incentive has impact on congestion the level of capital invertity of the taxi fleet ently being met through me would require functed emissions will had been taxis can help offul ation growth.  The provision of the some increased was possible by provision from the level cost saving the ensure an adequation and the some increased was possible by provision from the level cost saving the ensure an adequation in the some increased was possible by provision from the level cost saving the le	estment is needed to it with hybrids. Grant further resourcing. ave positive impact or ave a positive impact of each of local vehicle grangs over lifetime of wheeld attenumber of wheeld attenumber of wheeld attenumber of wheeld in the successful of the successful	incentivision in local air on green eased economics. Drivenicle own thair accessory	se replace needed to nificant endificant endificant quality house gat onomic and drivers been should ers should ers should ers should	ement of the to meet this cost.  Expansion of the semissions  Ctivity and these are offset as d experience	
Congestion  Capital costs  Revenue costs  Local air quality  Greenhouse gas emissions  Planning and development  Socio-economic  Communities		Redu Clear popu May far as signif	igs for local taxis operiod taxi incentive has inpact on congestion the level of capital invertity of the taxi fleet wently being met through would require functed emissions will have emissions will have taxis can help offulation growth.  The some increased was possible by provisions ficant fuel cost saving the ensure an adequate the index of the ensure an adequate in the ensure and ensure and ensure an adequate in the ensure and ensure and ensure an adequate and ensure and en	estment is needed to with hybrids. Grant further resourcing. ave positive impact of ave a positive impact of set the impact of local vehicle grangs over lifetime of wheeld ate number of wheeld eaper to run so could	incentivision in local air on green for new ots. Drive their accerdance of reduce of reduce of the control of their accerdance of their accertance	se replace needed to nificant ended to quality house gat onomic and drivers been should ership. essible tacosts.	ement of the to meet this cost.  Expansion of the semissions ctivity and these are offset as d experience xis remain in the	
Congestion  Capital costs  Revenue costs  Local air quality  Greenhouse gas emissions  Planning and development  Socio-economic		Redu Clear popul May far as signif Need Clear	igs for local taxis operiod taxi incentive has incentive has inpact on congestion the level of capital invertiy of the taxi fleet vently being met through the met would require functed emissions will have some increased very spossible by provisions ficant fuel cost saving to ensure an adequate emissions are charry quieter vehicles	estment is needed to it with hybrids. Grant further resourcing. ave positive impact or ave a positive impact of each of local vehicle grangs over lifetime of wheeld attenumber of wheeld attenumber of wheeld attenumber of wheeld in the successful of the successful	incentivision in local air on green for new ots. Drive their accerdance of reduce of reduce of the control of their accerdance of their accertance	se replace needed to nificant ended to quality house gat onomic and drivers been should ership. essible tacosts.	ement of the to meet this cost.  Expansion of the semissions ctivity and these are offset as d experience xis remain in the	
Congestion  Capital costs  Revenue costs  Local air quality  Greenhouse gas emissions  Planning and development  Socio-economic  Communities  Public perception		Redu Redu Clear popu May far as signif Need Clear taxis	igs for local taxis operiod taxi incentive has incentive has inpact on congestion the level of capital invertiy of the taxi fleet vently being met through the would require functed emissions will have emiss	estment is needed to it with hybrids. Grant further resourcing. ave positive impact or ave a positive impact of set the impact of increase of local vehicle grangs over lifetime of vehicle number of wheeled ate number of wheeled likely to have a positive impact of set of local vehicle grangs over lifetime of vehicle number of wheeled ate number of wheeled likely to have a positive impact of the likely to have a positive impact of wheeled in the likely to have a positive impact of wheeled in the likely to have a positive impact of wheeled in the likely to have a positive impact of wheeled in the likely to have a positive impact of wheeled in the likely i	incentivision incentivision in local air on green for new onts. Drivenicle own chair accereduce or impact	se replace needed to nificant endity house gat onomic and drivers been should ership. essible tactosts. t on publ	ement of the to meet this cost.  Expansion of the semissions  Ctivity and these are offset as dexperience wis remain in the ic perception of	
Congestion  Capital costs  Revenue costs  Local air quality  Greenhouse gas emissions  Planning and development  Socio-economic  Communities		Redu Redu Clear popu May far as signif Need Clear taxis	igs for local taxis operiod taxi incentive has incentive has inpact on congestion the level of capital invertiy of the taxi fleet vently being met through the would require functed emissions will have emiss	estment is needed to with hybrids. Grant further resourcing. ave positive impact of ave a positive impact of set the impact of local vehicle grangs over lifetime of wheeld ate number of wheeld eaper to run so could	incentivision incentivision in local air on green for new onts. Drivenicle own chair accereduce or impact	se replace needed to nificant endity house gat onomic and drivers been should ership. essible tactosts. t on publ	ement of the to meet this cost.  Expansion of the semissions  Ctivity and these are offset as dexperience wis remain in the ic perception of	

Measure 8	Planning a	nd de	elivery of strategic EV char	ging network						
Key intervention	า									
Planning and pro electric hybrid v			egic network of EV charging	g points to maxim	ise the upt	take of electric and plug-in				
-	Expected outcome									
-	Increased uptake of electric vehicles									
Target  Pures LCVs tavis and sars (float and privately owned)										
Emission sources  Buses, LGVs, taxis and cars (fleet and privately owned)										
this measure	missions ar	e exp	pected to reduce due to	City centre	Fulford	Salisbury Terrace				
Key Actions				Responsibility		Target date				
car parks			charging capacity in CYC	CYC		Achieved (October 2013)				
(b) map existing further requiren			astructure and identify	CYC		Completed March 2015				
(c) Provide rapid	charge EV	char	ging facilities	CYC		5 in place by July 2015				
			to obtaining EV charging EV infrastructure map	CYC		Ongoing				
(e) Pursue provi	sion of priva	ately	owned EV charging sbeen identified	CYC		Ongoing				
Estimated imple				rovided in CYC ca	r parks, £2	232,500 for 7 rapid chargers				
cost			has already been secured	, with 5 already in	n place.					
Estimated emiss	sion / fuel		Total impact of implemen			· · · · · · · · · · · · · · · · · · ·				
savings			uncertainties over electric vehicle replaced local em	•		-				
Proposed fundi	ng streams					on of open use points / grants				
Related LES mea			2A,2B,2C,2D,2E,2H,2I,4D,							
Links to council	plan		Improving air quality, hea environmentally sustainal	-		-				
Expected	overall	cor	mment							
impacts		Co	ad EV sharging naturally are	avidos EV drivors	with mare	confidence to visit Verk for				
Local economy			od Ev charging network pro siness or leisure trips and m			confidence to visit York for				
			intenance of EV charging n							
			nsiderable fuel and tax savi	•		_				
Feasibility			olic EV charging and a pay a	is you go back off	ice system	already in place in York				
Congestion		No	impact on congestion							
Capital costs	££			_	_	uture infrastructure provision onsorship and further grants.				
Revenue costs	££	Rev	venue costs associated with	operating the ba	ick-office s	ystems to support public EV				
						e offset by profit made from				
local sin sur-lin			ctricity sales to become cos			ssion at point of				
local air quality			s have a positive impact on							
Greenhouse gas emissions			ctric vehicles will have a po wer is obtained through gre		greenhouse	e gas emissions especially if				
Planning and development			planning guidance principluirement for EV infrastruct			Iraft Local Plan including				
Socio-economic		Pro	vision of a strategic EV net	work opens up th	e option of	-				
Compression			ople. Initial vehicle purchas							
Communities			ose unable to afford an EV warging infrastructure but wi			-				
Public			ial concerns about need fo							
perception						e benefits of EV ownership.				
Other benefits		Wi	despread EV vehicle uptake	will reduce traffi	c noise lev	els.				

#### **Reducing emissions from CYC fleet** Measure 9 **Key intervention** Further reduction in emissions from CYC fleet by reducing total mileage, using lower emission vehicles and encouraging better driver behaviour. **Expected outcome** Reduction in NO<sub>x</sub> and PM<sub>10</sub> emissions from CYC fleet vehicles and those operated on behalf of CYC (including staff owned vehicles). Reduced CO<sub>2</sub> emissions and significant fuel cost savings should also be achieved. **Target Emission sources** CYC owned vehicles, CYC staff owned vehicles (grey fleet) City centre Fulford Salisbury Terrace AQMAs where emissions are expected to reduce due to this measure **Key Actions** Responsibility Target date (a) Introduction of further electric and hybrid Fleet manager Ongoing vehicles into CYC fleet (b) Trial of 'Light Foot' system to reduce Completed 2014 Fleet manager excessive breaking and acceleration All LCV drivers to be trained within 2 (c) ECO-driver training for CYC staff Fleet manager years. Other staff to follow. (d) Further use of route optimisation tools to Fleet manger Ongoing reduce total mileage and emissions (e) Further reduction in grey fleet emissions and Fleet manager Ongoing introduction of a CO<sub>2</sub> emission limit for personal vehicles eligible for mileage payments **Estimated implementation cost** Estimated emission / fuel TBA savings **Proposed funding streams** Fleet renewal funding, grants 4C,4G,5C,5F,6F,6K,7A,7B,7C,7D,7E,7F,7H,7J **Related LES measures** Improving air quality, healthy lives, efficient and affordable transport, Links to council plan environmentally sustainable city **Expected** overall comment impacts A cleaner CYC fleet improves city image and reduces operating costs. Uptake of new Local economy technology can promote local green job creation. There are already a number of low emission vehicles within CYC fleet and links to car clubs Feasibility are well established. Good progress has already been made with reducing grey fleet trips. Congestion May reduce unnecessary vehicle journeys. Capital costs ££££ Requires investment in new vehicles. Where possible this will be offset using grant funding for alternatively fuelled vehicles. Revenue costs Fleet improvements to be delivered by existing staff. Local air quality A cleaner CYC fleet will contribute towards improving local air quality Greenhouse gas A cleaner CYC fleet will help contribute towards reducing local CO<sub>2</sub> emissions emissions Planning and A larger CYC fleet will be needed to service an expanding population and new development developments. Cleaner CYC vehicles will help reduce the impact of a growing population. Socio-economic No implications Communities Fleet improvements help to protect the health of vulnerable residents Public A cleaner CYC fleet improves public perception of CYC and may encourage uptake of low perception emission vehicles by others Other benefits Alternatively fuelled vehicles can provide a better driving experience for operator, potential for considerable financial savings for CYC

Massure 10 Marketing and Communications Stratogy										
	Measure 10 Marketing and Communications Strategy  Key intervention									
	Raising awareness of air quality and health issues and providing information and advice on the purchase and									
use of low emission vehicles										
Expected outcome										
Increased awareness of the health impacts arising from vehicle emissions and behavioural change in relation to the purchase and use of low emission vehicles										
Target										
Key Audiences Local residents, businesses and visitors										
AQMAs where emissions are expected to reduce due  No direct impact but will support wider AQMA										
to this measure										
Key Actions				Responsibility	Target date					
(a) Develop a mark	keting and	communication	ns strategy	CYC EPU and public health	TBA					
(b) Undertake a pu	ublic inform	nation campaig	n	CYC EPU and public health	TBA					
(c) Upgrade JorAir	website			CYC EPU and public health	ТВА					
Estimated implem	entation c	ost	£45,000 (a	ir quality grant)						
Estimated emission	on / fuel sa	vings	Not quanti	fiable						
Proposed funding	streams		Air quality	grant (secured funding)						
Related LES measi	ures		1A,1B,1C1I	D,1E,1F,1H,1I, 1J,1K,1L1N,8A,8	3B,8I					
Links to council pl	an		Improving	g air quality, healthy lives, efficient and affordable						
			transport,	transport, environmentally sustainable city						
Expected	overall	comment								
impacts										
Local economy		_		ir quality and health issues an						
		-	-	reduce pressure on local heal	_					
				ort costs may result in more sp	bending in other areas eg.					
Feasibility		shopping, eat		npaigns are taking place in oth	er cities					
Teasibility		All quality all	a meanth can	ipaigns are taking place in oth	er cities					
Congestion		Campaign wil	I link to exist	ting I-travel York sustainable t	ravel initiatives.					
		. 0		Ū						
Capital costs		AQ grant fund	ding has bee	n secured to support this wor	k					
Revenue costs		To be met fro	m evicting c	taff resources and grant fund						
Neveriue costs		TO be met no	iii existiiig s	tan resources and grant fund						
Local air quality		The campaign	will encour	age investment in cleaner veh	icles that will help					
		reduce emiss	ions of local	air pollutants						
Greenhouse gas				age investment in cleaner veh	icles that will help					
emissions		reduce emiss	ions of CO <sub>2</sub>							
Planning and		Not applicabl	e							
development										
Socio-economic		Campaign wil grants	l provide eco	onomic advice based on vehicl	e choice and access to					
Communities			l provide inf	ormation and advice on the in	npact of poor air quality					
Public perception			campaign wil	l be perceived as worthwhile	and informative.					
Other benefits		Potential for i	increased su	pport for CYC work on air qua	lity and transport issues					
		Potential for increased support for CYC work on air quality and transport issues								

Measure 11 L	ocal incent	tives for low emission ve	hicles and altern	ative fuel use							
Key intervention											
<u> </u>	es for the r	ourchase and use of low	emission vehicles	by residents.	visitors, commuters and						
businesses				,	,						
Expected outcome	e										
Increased uptake	of low emis	ssion vehicles by resident	s, visitors, comm	uters and bus	inesses						
Target											
Key Audiences Residents, visitors, commuters, businesses											
AQMAs where emissions are expected to reduce City centre Fulford Salisbury Terrace											
due to this measure											
Key Actions Responsibility Target date											
•	emission v	ehicle incentive plan to	CYC		June 2016						
include parking inc		•									
incentives and veh	nicle use in	centives									
(b) Implement low	emission	vehicle incentive plan	CYC		Ongoing beyond June						
and report against	t delivery ti	mescales within it.			2016						
Estimated implem	nentation	TBA									
cost											
Estimated emission	on / fuel	TBA									
savings											
Proposed funding	streams	To be investigated									
Delete di EC		FE CN CLOF									
Related LES meas		5E,6N,6I,8F  Improving air quality, healthy lives, efficient and affordable transport,									
Links to council pl	an		=	ficient and aff	fordable transport,						
	averell	environmentally sust	tainable city								
Expected impacts	overall	comment									
Local economy		Financial savings made	through nurchase	and use of lo	w emission vehicles will						
Local economy		_			tiveness for local business						
		and greater consumer s									
		emission vehicles will help improve public realm with benefits for tourism and									
		inward investment. Link									
Feasibility					viously untested risks and						
		challenges associated w	rith implementati	on.							
Congestion		No impact on congestio	n								
Capital costs	£	There may be some sma	all capital costs re	lating to sign:	age leaflets noint						
Capital costs	L	collection cards etc	an capital costs re	riatilig to signi	age, leatiets, point						
Revenue costs	££	Provision of incentives v	will have some or	ngoing revenu	e costs e.g. potential loss						
		of parking income, prov		-	- ,						
Local air quality		Increased uptake of low	emission vehicle	s will have po	sitive implications for local						
		air quality									
Greenhouse gas		Increased uptake of low	emission vehicle	s will have po	sitive implications for						
emissions		greenhouse gases		•	·						
Planning and		Some incentives may be	able to be linked	d to develope	r emission mitigation						
development		measures									
Socio-economic			ng, cycling, publi	c transport an	d low emission vehicle use						
					ed and not limited only to						
those able to afford low emission vehicles.											
Communities Incentives to be accessible to all, including non-drivers and those with disabilities											
Public											
		Opportunities for financial or material gain are likely to be viewed positively by the majority									
perception		the majority	Other benefits Incentives can be linked through to tourism and inward investment opportunities								

Measure 12 A	ttracting I	ow en	nission industries, bus	iness and jobs to York			
Key intervention			,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Promotion of York	as a suppo	ortive a	and welcoming enviror	nment for low emission bu	sinesses and industries,		
including the provi	sion of rel	evant	education and skills de	velopment.			
Target							
Key Audiences Potential inward investors and existing low							
				emission businesses and			
				establishments and othe	er training providers.		
AQMAs where emi	ssions are	expec	ted to reduce due to	No direct impact but will	support wider AQMA		
this measure				improvement measures			
Key Actions				Responsibility	Target date		
_	_		development area to	Make it York	ongoing		
encourage investm	ent by 'gr	reen' a	ind 'low emission'				
industries							
	_	/ high	productivity jobs in	Make it York	ongoing		
the 'green' busines			e do la com	<b>AA</b> 1 21 37 1 2 500			
Estimated implement		ost	Facilitation by existin	g Make it York staff			
Estimated emission	n / fuel		Not quantifiable				
savings Proposed funding	stroams		To be investigated				
			_	) 0C 0I			
Related LES measu Links to council pla			1C,6D,6H,7I,8A,8C,8E Supporting green job				
Links to council pla	111	ı	Supporting green Job	<u> </u>			
Expected	overall	com	ment				
impacts		_		1. 1			
Local economy				nd training opportunities			
Feasibility				ly marketed itself as a 'scie	-		
					nission / green technology		
Congestion			-	ult in traffic growth, but the			
Capital costs				ble sites and good travel present may be needed			
Capital Costs				arger capital projects such			
			_		investment or partnerships		
			other organisations.	o be met timough private	mivestiment or partitersimps		
Revenue costs				by existing Make it York sta	aff resources and partner		
l			nisations	, 0	•		
Local air quality				ndustries will help raise the	e profile of the Low		
				note further use of low em	-		
		rene	wable energy sources.	This will help reduce emis	ssions of local air pollutants		
Greenhouse gas				ndustries will help raise the	- · ·		
emissions			•	omote the use of low emis			
					sions of greenhouse gases.		
Planning and				sion industries can be inco	rporated into the planning		
development		syste					
Socio-economic		Crea	tes new high value / hi	gh productivity jobs and to	raining opportunities		
Communities		Emp	loyment and other opp	ortunities will be available	e to all		
Public perception				ining opportunities likely t			
Other benefits		Onno	ortunities to divert was	te from landfill and incine	ration if gas industries can		
Taner Deficites					ke of wind and solar energy		
			uction at a local level.				

### Measure 13 Modal shift and network improvement measures

### **Key intervention**

Continued application of modal shift and congestion reduction measures through Local Transport Plan 3, Better Bus Area and Local Sustainable Transport Fund initiatives. Capital funding for larger transport infrastructure interventions such as an upgrade of the Outer Ring Road, providing an alternative route for city centre through traffic, Bus improvement measures and a further P&R site at Clifton Moor are dependent on the success of the £83.5m West York Plus Transport Fund bid.

£83.5m West York Pl			u a futther PAR Site at Cili I hid	COLLINIOOL (	are depend	icit	on the success of the
Target	us manspc	nt rund	a Diu.				
Emission sources				All vehicles			
Key audiences						hlic	transport usors
Rey addiences				walkers, cyclists, public transport users, motorists			
AOMAs where emiss	ions are ev	nactad	to reduce due to this	City	Fulford		Salisbury Terrace
measure	ions are ex	фестец	to reduce due to this	centre	Tulloru		Salisbury refrace
Key Actions				Respons	ihility	Ta	rget date
Continued delivery o	f I-travel Y	ork sus	tainable travel	Sustaina		_	n going
programme which in				Transpor			. 808
transport improvem							
provision of travel in	-						
http://www.itravelyo		•					
		Phase	1 - delivery of P&R sites	Sustaina	ble	Со	mpleted
•			nts to the A59/A1237	Transpor	t Service		•
roundabout and crea							
Public Transport sch	emes. City	centre	bus stop improvements,	Sustaina	ble	Or	n going
off bus ticket machin	es, interch	ange ir	nprovements, Real Time	Transpor	t		
Information provisio	n.			Services			
Estimated implemen	ntation cos	t	Access York £22.7m, BBA		STF £4.6m	. Ne	w funding from BBA2
			Approx. £1.2m up to 201	.7/18			
Estimated emission		ngs	Not quantified				
Proposed funding st	reams		LTP3, LSTF, Major Schem		_		
			(Dependent on Strategic	Economic	Plan bid by	/ LEF	Ps)
Related LES measure			9F,9L,9R				
Links to council plan		l	efficient and affordable t	transport			
Expected impacts	overall	comn					
Local economy			ced congestion and improv	ved public	transport i	mpr	ove the public realm
			upport economic growth				
Feasibility			ures are included in existir				
Congestion			TP3 aims to control congestion increases by encouraging use of sustainable nodes. LSTF programme aims to increase cycling levels by 20%, walking by 10%				
				o increase	cycling lev	eis b	y 20%, walking by 10%
Canital casts	ldckd		us use by 10%	art intorno	ations such		an ungrada of the Outer
Capital costs		4	confirmed. Major Transpo				
		_		easures and a further P&R site at Clifton Moor fithe £83.5m West York Plus Transport Fund.			
Revenue costs	££		confirmed. £1.2m from th				•
	<b> </b>  "  "	4	rce to support Public Tran		•		•
			beyond 2014/15 is dependent on the success of a bid to the DfT in March 2014.				
Local air quality			estion reduction and susta				
, ,		_	y improvement		•		• •
Greenhouse gas			estion reduction and susta	inable trar	sport mea	sure	es support greenhouse
emissions		gas re	eduction				
Planning And		Meas	ures to reduce congestion	and encou	ırage susta	inab	ole travel can help offset
development			impact of new developm		-		•
Socio-economic		Some	measures may improve a	ccess to so	me areas o	of the	e city for some users
Communities		Moda	ıl shift measures support p	provision of	f accessible	tra	nsport for all
Public perception			measures to reduce cong				•
. aone perception			be unpopular with the gen		-	5565	o .o. paono danoport
Other benefits	11111		identified	1			
Other beliefits	<b>                                     </b>	NOHE	identified				

Measure 14 Regulation of industrial and domestic emissions												
Key intervention												
Control of emissions to air from PPC regulated industries, enforcement of Clean Air Act provisions in relation												
to dark smoke and	smoke co	ntrol a	reas									
Target				T								
Emission sources				Industrial and domestic point source emissions								
this measure	ssions are	expec	ted to reduce due to	City centre	Salisbury Terrace							
Key Actions				Responsibility	Target date							
-	on of indu	ıstries	subject to PPC regs	CYC Public Protection	ongoing							
			oke offences under	CYC Public Protection ongoing								
(c) Active enforce	ment of s	moke d	control areas	CYC Public Protection ongoing								
Estimated implem	entation o	cost	Ongoing costs delivered by existing staff resources									
Estimated emission / fuel savings			Not quantified									
Proposed funding streams			Existing staff resources									
Related LES measures			Wider air quality measure not related directly to LES delivery									
Links to council pla	1	1	Improving air quality	ty, healthy lives, environmentally sustainable city								
Expected impacts	overall	com	ment									
Local economy		EPU provides advice and support to local industries to help them to meet										
Facaibilit.				irements. This can also reduce costs.								
Feasibility		All II	measures are currently ongoing and resourced									
Congestion	<mark>'           </mark>	No ir	mpact on congestion									
Capital costs	<b>!!!!!</b> !	No c	apital costs									
Revenue costs	££	Ongo	Ongoing CYC staffing resources only									
Local air quality			Control of domestic and industrial emissions helps to protect and improve local air quality									
Greenhouse gas emissions			Control of domestic and industrial emissions helps to reduce and control greenhouse gas emissions									
Planning and development	ı I I I I I	Ŭ.	No issues arising									
Socio-economic		Legislation applies to everyone irrespective of socio-economic status. Large fines can arise if offences take place.										
Communities		Legislation exists to protect the health and environment of local people										
Public perception			Most people are generally supportive and comply with controls on industrial and domestic emissions									
Other benefits			· · · · · · · · · · · · · · · · · · ·	to avoid occurrence of smoke nuisance and odours if illegal waste disposal								

Measure 14 Provide more green infrastructure in the city												
Key intervention												
Provision of more green infrastructure to remove pollution from the environment												
Target												
Emission sources				All								
AQMAs where emis	ed to reduce due to	City centre Fulf		rd Salisbury								
this measure				Terrace								
Key Actions		Responsibility		Target date								
(a) Develop green i		City Strategy		ongoing								
(d) Investigate inclusion of green infrastructure in York BID				York BID		To be determined – BID still in development phase						
Estimated implementation cost			Not known									
Estimated emission	n / fuel sav	ings	Not quantified									
Proposed funding streams			Existing staff resources/ developer contributions									
Related LES measures			Wider air quality measure not related directly to LES delivery									
Links to council plan			Improving air quality, healthy lives, environmentally sustainable city									
Expected impacts	overall	comment										
Local economy		Providing a more attractive environment may encourage more visitors to the city										
Feasibility		A similar approach is already taken in many other cities. A green wall is in place at Marks and Spencer on the York Vanguard site.										
Congestion	, , , , , , , , , , , , , , , , , , , ,	No impact on congestion										
Capital costs		Provision of green infrastructure requires significant investment. Most of this investment could be obtained from developers / local business sponsorship.										
Revenue costs	£	Trees and other green infrastructure require significant ongoing maintenance										
Local air quality			including pruning and leaf collection.  In the right conditions certain species of plant have been shown to improve local									
		air quality										
Greenhouse gas emissions		Plants remove CO <sub>2</sub> from the atmosphere.										
Planning and development		Green infrastructure can enhance new developments										
Socio-economic		Green infrastructure is free to be enjoyed by all										
Communities		Green infrastructure can provide meeting places and places to play										
Public perception		Green infrastructure improves the appearance of the urban environment										
Other benefits		Green infrastructure has been shown to have many other health and well being benefits, provides shade in summer months and provides habitats for wildlife										