Annex 2

AQAP3 – draft measures framework

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: Development and implantation of LES based planning guidance

Measure 5: Planning and delivery of strategic EV charging network

Measure 6: Planning and delivery of CNG refuelling infrastructure in York

Measure 7: Reducing emissions from taxis

Measure 8: Reducing emissions from freight

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 lead to wider congestion reduction and transport improvements in the city

Measure 13: Modal shift and network improvement measures

That will deliver reductions in emission from non-transport sources

Measure 14: Other air quality improvement measures

Table key

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

Measure 1 E	Developmen	t and	l implementation of a Clean Air Zone	e (CAZ)		
Key intervention			·			
	itial emissio	n star	ndards for buses entering the inner ri	ng road ar	ea based on fr	requency of service.
Expected outcom				0		
•		ner rir	ng road will be electric (zero emission	n) by 2018.		
Target			18 1000 1111 20 01001110 (2010 0111100101	., .,		
Emission sources				Local bus	205	
EIIIISSIOII SOUICES					l es	
AQMAs where em	nissions are o	expec	ted to reduce due to this measure	City centre	Fulford	Salisbury Terrace
Key Actions				Responsi	ibility	Target date
(a) Develop a road	dmap for lov	v emi	ssion buses	CYC		completed
(b) Develop draft	proposal for	CAZ	and consult with bus operators	CYC		May 2014
(c) Implement CAZ	7			CYC		2015
(d)Work with open	rators to sec	cure f	unding / loans for vehicle upgrades	CYC		ongoing
			air quality and emissions	CYC		ongoing
Estimated implem			Direct costs to CYC (implementation	n and enfo	rcement) = £1	
			Cost of bus upgrades to meet requi		-	
Estimated emission	on / fuel		Every electric bus introduced into t			emove local
savings	,		emissions of NO2 and PM10 and re			
54485				4400 002	c	.pp. 0x 33 to 13.
Proposed funding	streams		Routine operator investment	Dev	veloper contri	butions
i i oposea i amama	, 50. 00		Green Bus Fund bids		-	ology Fund bids
Related LES meas	oc			Cican	er bas reenine	nogy rana bias
			9G,9I,8J,8L,4J	rabla naar	Jo / Cupportin	a acanamic arouth
Links to council pl	ian		Get York Moving / Protecting vulne / Protect the environment	rable peop	ne/ Supporting	g economic growth
Francisco d			·			
Expected	overall	con	nment			
impacts		1				ive impuliantiana fau
Local economy			emission buses will improve the ima	ige of the o	city with positi	ive implications for
Facath tite.			rism and inward investment	ll NI	tala Elaskata	D0 D
Feasibility			ilar schemes already in place in Oxfor	ra ana wor	wich. Electric	P&R scheme
0 11			ady in place in Coventry.	1.1		
Congestion	a'		change to bus numbers, may be a slig			
			e attractive to current car users or fa			
Capital costs	ffff		rading of buses involves high costs b et by grant applications	ut where p	ossible these	will be met or
Revenue costs	£	Δft	er initial scheme set up resourcing co	sts will he	low	
evenue costs	_		ear serieme set up resourcing co	SCS WIII DC		
Local air quality		7er	emission buses will result in signific	ant emissi	on reductions	for NO. and
Local all quality			cicles across the city, especially in AQ			TOT NO _X aria
Greenhouse gas			uced emissions of CO ₂ in York. Less (red from gene	ration of electricity
emissions			ded to run electric buses than that go	-	_	-
21113310113			of green electricity tariffs can impro			nesci sus crigilies.
Dlanning and			roved air quality offers more opport			7 7ero emission
Planning and						
development			es lessen environmental impact of in		-	· ·
			ulation growth. Contributions towar	us low em	ission buses ca	an be sort from
Caria and			elopers	C		
Socio-economic			act on bus fares currently unknown.	-	· -	_
			uce fares, others may pass on cost of	purchasin	g newer or ret	trofittea venicles
			increase fares	10 - 6 - 11 -		
Communities			oss of bus services anticipated as a r			-
			vision of easy access buses on some i	outes. Wil	ı improve pub	iic nealth and the
			ironment.			
Public			lacement of older diesel buses with r	newer, clea	ner, quieter b	ouses likely to have
perception		pos	itive implications			
Other benefits		Red	uced noise from vehicles, improved	oassenger	experience	

Measure 2	Deve	lopm	ent an	d implementation of anti-	idling measures			
Key intervention								
Engagement with	vehi	cle o	erator	s to highlight economic an	d environmental im	pacts of idling.		
Expected outcome	е							
Reduced idling em	issic	ons						
Target								
Emission sources					Local service buse	es. coaches. HGVs		
	issio	ns ar	e expe	cted to reduce due to				
this measure	13310)	c cape	stea to reader ade to		City centre		
Key Actions					Responsibility	Target date		
(a) Undertake anti-	-idli	ng fe	sibility	study	CYC / consultant	completed		
				sult with stakeholders	CYC	May 2014		
				or anti-idling measures	CYC	Sept 2014		
(d) Implement anti					CYC	To be determined		
(e) Evaluate impac					CYC	Ongoing after implementation		
Estimated implem						t), less without enforcement		
Estimated emissio						imated savings per annum of		
savings	,					17949 litres of fuel (assuming no		
					_	rings anticipated to be much higher		
				if enforced at all location				
Proposed funding	stre	eams		To be determined		, , ,		
Related LES measu				4B, 4F				
•					ting vulnerable nec	pple/ Supporting economic growth /		
Links to council pi	an			Protect the environment	-	pic/ Supporting economic growth /		
Expected	01	veral	com	ment				
impacts								
Local economy			Red	uced idling will improve the	e image of the city v	with positive implications for		
,				ism and inward investmen		·		
Feasibility			Simi	lar schemes already in plac	ce around the UK eg	g. North Lincs, Croydon, Scotland,		
•			Dud	ley		•		
Congestion			May	help to discourage waiting	g which could assist	congestion		
Capital costs	£		Som	e small costs associated w	ith signage - possib	ly from Better Bus Area 2 Fund TBC		
Revenue costs	£		Staf	fing costs – possibly from E	Retter Rus Area 2 Fu	and TBC		
	_		0.00.1	2 00010				
Local air quality			Red	uced emissions will have p	ositive impact on lo	cal air quality		
. ,				·	•			
Greenhouse gas			Sign	ificant reduction in local Co	O ₂ emissions			
emissions					-			
Planning and			Imn	roved air quality offers mo	re opportunity for a	city centre living. Anti-idling		
development			•	sures will help reduce imp		,		
derete pinent				ulation growth.				
Socio-economic	П	П		No implications				
	Ш		1,01					
Communities			Will	help protect public health	and improve the er	nvironment.		
Public perception				_	•	about this issue and create a safer		
			and	more pleasant environme	nt.			
Other benefits			Will	assist bus operators to enf	orce their own poli	cies and could result in		
			cons	siderable fuel savings and r	educed operating o	osts. Reduced noise from idling		
			vehi	cles.				

Measure 3 Further development of ECO-stars fleet recognition scheme **Key intervention** Provision of advice and encouragement to fleet operators to help them reduce emissions from their fleets through the use of better driving techniques, improved fuel management and vehicle upgrading **Expected outcome** Reduced emissions from fleet vehicles **Target Emission sources** buses, coaches, HGVs, LGVs (possible expansion to taxis) AQMAs where emissions are expected to reduce due **Fulford** City centre Salisbury Terrace to this measure **Key Actions** Responsibility **Target date** (a) Implement ECO-stars scheme in York CYC / consultant Completed (March 2013) (b)Investigate opportunities to expand ECO-stars CYC /consultant December 2014 scheme to include compulsory sign up linked to CYC contracts and potential taxi scheme December 2014 (c) Evaluate impact of current ECO-stars scheme consultant (d)Investigate future funding for ECO-stars consultant ongoing (e)Draw up action plan for ECO-stars beyond 2014 CYC / consultant December 2014 (if funding is obtained to continue the scheme) Eco-stars currently fully funded until November 2014 – additional costs **Estimated implementation** approximately £30,000 annum cost Estimated emission / fuel A quantitative impact of the ECO-stars scheme in York will be provided by the savings current scheme managers in 2014. **Proposed funding streams** To be determined **Related LES measures** 3A,4A,6A,3C,4E,6G, 7F,3E,4H,5G,6L,7N Get York Moving /Protecting vulnerable people/Supporting economic growth / Links to council plan Protect the environment **Expected** overall comment impacts Local economy Improved driving behaviour and cleaner vehicles will improve the image of the city with positive implications for tourism and inward investment. The implementation of ECO-stars fleet roadmaps can result in considerable fuel cost-savings for local operators allowing them to become more competitive Feasibility Eco-stars is already operational in York. Feasibility of mandatory membership has not been fully explored or used elsewhere. Congestion No impact on congestion Capital costs Scheme already operational no further capital costs anticipated Revenue costs Staffing /consultancy costs associated with continuing the scheme beyond Nov 2014 and expanding it to become mandatory for certain contracts / access. Holding of award ceremonies may also have some small costs associated but the aim would be to cover these through sponsorship. Reduced emissions will have a positive impact on local air quality Local air quality ECO-stars membership also delivers reductions in emissions of greenhouse gases Greenhouse gas both in York and the wider areas travelled through by scheme operators emissions Planning and Eco-stars membership can help offset the impact of increased economic activity and development population growth. Socio-economic ECO-stars is free to join and participate in. It is therefore equally accessible to all fleet operators as long as they are willing to provide the necessary fleet data. Communities No implications Public Improved driver behaviour and cleaner vehicles likely to have a positive impact on perception public perception of buses, coaches and HGVs. Other benefits Eco-driving techniques and the introduction of newer and alternatively fuelled vehicles can help reduce the noise impact of traffic

Measure 4 Dev	vel	opr	nent	and	implementation of LES	based plannin	g guidance		
Key intervention									
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									
	elo	pn	nent i	relat	ed emissions and financi	al support for	low emission inf	rastructure projects	
Target									
Emission sources								ort and vehicles that service s, refuse collection	
	sio	ns a	are e	xpec	ted to reduce due to	City centre	Fulford	Salisbury Terrace	
this measure						D 11-112		Townshile to	
Key Actions (a) Embed low emiss	cio	n re	aquir	omo	nts into draft LDP	Responsibilit CYC	ty	Target date Completed	
` '					LES planning guidance	CYC		July 2015	
• • • • • • • • • • • • • • • • • • • •							ff:	·	
Estimated impleme				ST	No additional costs out Additional staff may be	required to in	nplement guidar	nce.	
Estimated emission	/ f	ue			These will be calculated	•	•		
savings					emission savings per ar greenhouse gases.	inum are likely	y to be very large	e for NO _x , Pivi and	
Proposed funding st	tre	am	S		No additional funding r	equired for de	evelopment of gu	uidance note	
Related LES measur	es				2F,2G,1M,1G,2B,2C,2H	,2I,2A,2D,2E			
Links to council plan	n				Get York Moving / Protecting vulnerable people/ Supporting economic growth / Protect the environment				
Expected impacts	(ove	rall	Co	mment				
Local economy				Ef	fective management and	l mitigation of	development re	lated emissions will help	
				m	aximise development op	portunities.			
Feasibility					ES based planning guidance is already adopted and in use in Bradford. Other ocuments are at an advanced stage of development e.g. West Midlands, Sussex				
Congestion	T	П	П	-	impact on congestion	reca stage or e	evelopment e.g	. West Midianas, Sassex	
S	ľ				, ,				
Capital costs			П	1	o capital cost implications				
Revenue costs		Ε£			Staff costs associated with assisting developers to comply with the new guidance				
					nd to check the accuracy and effectiveness of emission impact assessments and				
					nitigation plans. In the longer term may need to increase staffing levels				
Local air quality					mission mitigation measures should help minimise further deterioration in local air				
					iality as the result of dev me cases.	elopment and	may result in air	r quality improvement in	
Greenhouse gas					S planning guidance will	also heln redu	ice greenhouse o	zas emissions	
emissions					- Framming Paragrance Mill	a.ss ricip redu	5	540 511110010710	
Planning and				LE	S planning guidance prir	ciples already	embedded into	draft Local Plan. Enables	
development					w emission measures to	-			
Socio-economic								operty purchase / rental	
					sts which may exclude s				
Communities					ables low emission mea			:	
Public perception								ssion vehicles and travel elopments more attractive	
					_	-		emission measures to the	
					der population of York.				
					ay improve public accept				
Other benefits							-	vice vehicles and other low	
						n infrastructure will have positive air quality and climate change benefits development sites and help to achieve a general improvement in public			
						-	_	-	
				tra	ansport. Developers will	nave a clear if	idication of wha	t is expected from them	

Г								
Moosuro E [Nanning a		reducing the amount of prelivery of strategic EV char		sion requir	ea.		
	rianning ai	na ae	elivery of strategic EV char	ging network				
Key intervention								
Planning and provision of a strategic network of EV charging points to maximise the uptake of electric and plug-in electric hybrid vehicles in the city.								
Expected outcom								
Increased uptake	of electric	vehi	cles					
Target								
Emission sources				Buses, LGVs, tax	is and cars	(fleet and privately owned)		
AQMAs where en this measure	nissions ar	e exp	pected to reduce due to	City centre	Fulford	Salisbury Terrace		
Key Actions				Responsibility		Target date		
<u>-</u>	narge publ	ic EV	charging capacity in CYC	CYC		Achieved (October 2013)		
(b) map existing E further requireme			astructure and identify	CYC		March 2014		
(c) Provide rapid	charge EV	charg	ging facilities	CYC		July 2014		
			to obtaining EV charging EV infrastructure map	CYC		December 2014		
	on of priva	itely	owned EV charging	CYC		Ongoing		
Estimated impler				rovided in CYC ca	r parks, £2	232,500 for 7 rapid chargers		
cost			has already been secured		-	·		
Estimated emissi	on / fuel		Total Impact of implemen					
savings			uncertainties over electric vehicle replaced local em	•		· ·		
Proposed funding	g streams		Developer contributions /	Local sponsorshi	p / provisi	on of open use points / grants		
Related LES meas			2A,2B,2C,2D,2E,2H,2I,4D,					
Links to council p	lan		_ : :	rting economic gr	owth/ Prof	tecting vulnerable people /		
Expected	overall	cor	Protect the environment mment					
impacts	Overan		iiiiciit					
Local economy		Go	od EV charging network pro	ovides EV drivers v	with more	confidence to visit York for		
			siness or leisure trips and m	· •				
			intenance of EV charging n					
Feasibility			nsiderable fuel and tax savio olic EV charging and a pay a					
Congestion			impact on congestion	is you go back offi	ce system	arready in place in Tork		
	, ", ", ", CC			-4.46	al avanta F			
Capital costs	££			•	_	tuture infrastructure provision ponsorship and further grants.		
Revenue costs	££					ystems to support public EV		
			arging. As EV ownership ind ctricity sales to become cos			e offset by profit made from		
local air quality		EVs	s have a positive impact on	local air quality as	s zero emi:	ssion at point of use		
Greenhouse gas					reenhouse	e gas emissions especially if		
emissions			wer is obtained through gre			1 6 1 1 2 1 1 1		
Planning and			planning guidance princip			Iraft Local Plan including		
development Socio-economic			uirement for EV infrastruct ovision of a strategic EV net		•	f EV ownership to more		
Jocio-economic			ople. Initial vehicle purchas					
Communities		Tho	ose unable to afford an EV	will not be able to	benefit fr	om the provision of EV		
Public			arging infrastructure but wi					
perception			cial concerns about need fo come more positive as the			e benefits of EV ownership.		

Measure 6	Planning ar	nd deli	very of CNG refuellir	ng infrastructure in	n York				
Key intervention	1								
Providing the inf	rastructure	require	ed to enable fleet ope	erators to run thei	r vehicles	on compress	ed natural gas		
(CNG) and / or bi	io-methane	which	both offer reduced e	missions of local a	nd global	air pollutant	S.		
Expected outcor	ne								
		l bio-n	nethane as an alterna	ative fuel within lo	cal fleets				
Target									
Emission sources	<u> </u>			Local service bus	es, coache	es. HGVs. LG	Vs. (potential for		
zimosion sources	•			expansion to oth			vo (potential for		
AQMAs where e	missions are	expec	ted to reduce due	City centre	Fulford		Salisbury Terrace		
to this measure				,			,		
Key Actions				Responsibility	l	Target date	2		
(a) Investigate fe	asibility of e	stablis	shing a CNG	CYC / external co	nsultant	Ongoing pr			
			al demand levels			- 0- 01	-,		
(b) Work toward				CYC / external co	nsultant	Ongoing			
CNG refuelling pl		_	-		-				
(c)Deliver a CNG		ant in	York	CYC / external co	nsultant	End of 201	 6		
(-,									
Estimated imple	mentation o	ost	To be determined	l		<u> </u>			
Estimated emiss			To be determined.	Δ vehicle running (on CNG ha	s significantl	v smaller emissions		
savings	non , rue:		of NO ₂ , PM ₁₀ and Co	_		-	•		
Savings			depend on the type	-		•			
			CO ₂ arise from use						
Proposed funding	o streams		Private investment,						
					Julions, Gi	ant scheme.			
Related LES mea			2F,2G,2H,3D,3F,6N,			,			
Links to council	plan		Get York Moving / I	_	ole people	e/ Supporting	g economic growth		
	1		/ Protect the enviro	onment					
Expected	overall	Com	ment						
impacts									
Local economy			· · · · · · · · · · · · · · · · · · ·	ort costs, creates new industry and jobs, allows late night ent of public realm, can help facilitate development of					
			•	•	•		velopment of		
E 11.10			ht consolidation facil			•			
Feasibility		CNG	refuelling plants alre	ady operational in	Leeds and	d Sheffield			
						1			
Congestion			ter operation of CNG	•			_		
0 11 1	0000		arlier in the morning I						
Capital costs	ffff		capital costs involved			•			
Revenue costs	££		e CYC staffing resour	•	-	-			
			ing staffing resources	s. Longer term res	ource cost	ts will be me	t by private		
11 1 22		oper		advard NO	I DA 4				
Local air quality		CNG	and bio-methane pro	oduce iess NO _x and	ı PIVI				
C		Chic		·			ortale altra 1000 f		
Greenhouse gas			and bio-methane off			•	with diesel engines.		
emissions		Bio-r	nethane can be prod	uced trom digestic	on of wast	e materials.			
Planning and			k is ongoing to try an	d secure a site for	CNG refue	elling infrastr	ucture within the		
development			l Plan allocations						
Socio-economic			ence of CNG / bio-me	_		-			
			ators which in turn sl	hould help reduce	the cost o	f local goods	and services.		
Communities		No ir	nplications						
Public perception	n	Clea	ner, quieter vehicles	likely to have a pos	sitive impa	act on public	perception of		
		buse	s, coaches and HGVs	. May be some loo	al objection	ons to develo	opment of		
		refu	elling infrastructure.						
Other benefits		Redu	iced vehicles noise le	vels, potential dive	ersion of w	vaste from la	ndfill or		

incineration to produce bio-methane.

Measure 7 R	educing e	missio	ns from taxis				
Key intervention							
Introduction of inco	entives an	d licer	sing requirements the	hat will encourage rep	lacement	of older	r diesel taxis
(hackney and priva	te hire) wi	th nev	wer hybrid vehicles. ⁻	There are currently 750	0+ license	ed vehicl	les operating in York.
Expected outcome							
Removal of older d	iesel vehic	les fro	om taxi fleet				
Target							
Emission sources							ularly diesel vehicles)
AQMAs where emi	ssions are	expec	ted to reduce due	City centre	Fulford	t	Salisbury Terrace
to this measure				D 11 112			
Key Actions	incontino	for the	y untaka of bubrid	Responsibility CYC		Target o	
(a) Develop a local vehicles in the taxi		וטו נוופ	e uptake of flybrid	Cic		In opera	ation
(b) Secure funding		e hvb	rid taxi incentive	CYC		ongoing	<u> </u>
(c) Investigate other				CYC		End of 2	
from taxis, including	•		_	Cic		LIIU OI 2	2014
stars scheme to tax		., 01 6	Apariania LOO-				
(d) Consider chargi		ments	for taxis	CYC		End of 2	2014
(c) develop a taxi e				CYC		End of 2	2015
including a possible						LIIU UI 2	2013
hybrid vehicles			5.22 3				
Estimated impleme	entation c	ost	ТВС	1	I_		
Estimated emission	n / fuel		A hybrid taxi produ	ıces approx 8 tonnes p	er annum	n of CO2	less than a diesel
savings				considerably lower er			
			•	Iready been delivered	through t	the exist	ing grant scheme.
Proposed funding			Under investigation				
Related LES measu			5A,5B,5C,5D,5E,5F,		l - /C		
Links to council pla	an		/ Protect the envir	Protecting vulnerable property	people /S	upportir	ng economic growth
Expected	overall	comi	ment	omment			
impacts	0.1010						
Local economy		A cle	aner taxi fleet will in	nprove the image of th	e city wit	th positiv	ve implications for
				stment. Use of hybrid v	ehicles o	ffers co	nsiderable fuel cost-
			igs for local taxis ope				
Feasibility		•		been very successful t	o date. E	co-stars	has been applied
Congestion	11111		essfully to taxis in De npact on congestion				
Congestion	' 	INUII	iipact on congestion				
Capital costs	££££	A hie	th level of capital inv	estment is needed to i	ncentivis	e replac	ement of the
		_	•	with hybrids. Grant fu		-	
Revenue costs	££			sts associated with intr			
			_	brid incentive. Currer			
			•	expansion of the sche	-		-
Local air quality				ave positive impact on			
Greenhouse gas		Redu	iced emissions will h	ave a positive impact of	on greenh	nouse ga	s emissions
emissions							
Planning and				ars membership can he	elp offset	the imp	act of increased
development	11111		omic activity and po			**	
Socio-economic			-	nd participate in. It is			
Communities	╎╏╏╏ ╏			they are willing to pro late number of wheeld			
Communities	' 		•	neaper to run so could			AIS I CITIAIII III LIIC
Public perception				likely to have a positiv			ic perception of
1		taxis		,	1	1	
		_			_	_	

Other benefits		Redu	iced noise levels fro	m late night tax	xis, newer vehicles	improve taxi fleet image			
Measure 8	Reducing e	Reducing emissions from freight							
Key interventio	n								
Introduction of delivery and servicing plans for major organisations and key streets in the city and provision of a									
freight tranship	ment centre	(FTC)							
Expected outco	me								
			•	entering the city	y centre and other	AQMAs. More deliveries			
being made by f	foot, cycle or	low er	mission vehicle.						
Target				1					
Emission source	-			HGVs, LGVs	T	1			
		expec	ted to reduce due	City centre	Fulford	Salisbury Terrace			
to this measure				B 11-1124-	-	Toward date			
Key Actions	fusials insure			Responsibility		Target date			
(a) Undertake a				CYC / external	i consultant	Completed (June 2013) TBA			
			ht improvement ement study. To	CYC (CS)		IBA			
include mechan		-	-						
FCC.	isin ana tiille	Scale I	or delivery of a						
Estimated imple	ementation of	ost	ТВА	1		I .			
Estimated emis			TBA						
savings	,								
Proposed fundi	ng streams		Private investmen	it, Grant funds					
Related LES me	asures		3B,9A,9C,9E						
Links to council				Protecting vuln	nerable people / Su	oporting economic growth /			
	•		Protect the enviro	_		, ,			
Expected	overall	com	ment						
impacts		D		C		a f dalimenta a mandal			
Local economy						g of deliveries would eate a more pleasant			
			onment for shoppe			· · · · · · · · · · · · · · · · · · ·			
Feasibility						ng discussions with a logistics			
reasionity		comp		, in the Wedsel	ie and batin Ongon	is discussions with a logistics			
Congestion			•	entre congestio	n particularly in sho	opping streets outside foot			
J			t hours	J	,				
Capital costs	££££	Sche	me would need con	siderable inves	tment from private	sector			
					•				
Revenue costs	£££	Staffi	ing and operation o	f the FTC.					
			5	-					
Local air quality		Redu	iced HGV emissions	will have positi	ve impact on local	air quality.			
Greenhouse gas	5	Redu	iced HGV emissions	will have a posi	itive impact on gree	enhouse gas emissions			
emissions									
Planning and		The L	ocal Plan recognise	s the need for f	reight consolidatio	n facilities			
development									
Socio-economic	⋷ <mark>╻</mark> ┇╏╏	No in	nplications						
Communities	────────────────────────────────────	No in	nplications						
Public				s from city cen	tre in the morning	will improve public realm.			
1 abiic			. •	•	J	• •			
perception	Removal of large HGVs from the city centre will help protect historic buildings. CNG								
perception		Remo	oval of large HGVs f	rom the city cer	ntre will help prote	ct historic buildings. CNG			
			_			ct historic buildings. CNG ed together to provide			

Measure 9 **Reducing emissions from CYC fleet 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_x and PM₁₀ emissions from CYC fleet vehicles and those operated on behalf of CYC (including staff owned vehicles). Reduced CO₂ emissions and significant fuel cost savings should also be achieved. **Target Emission sources** CYC owned vehicles, CYC staff owned vehicles (grey fleet) AQMAs where emissions are expected to reduce Fulford Salisbury Terrace City centre due to this measure Responsibility **Target date Key Actions** (a) Introduction of further electric and hybrid Fleet manager First replacements scheduled for vehicles into CYC fleet summer 2014. Ongoing upgrades across the fleet to follow. (b) Trial of 'Light Foot' system to reduce Fleet manager 2014 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 CO₂ emission limit for personal vehicles eligible for mileage payments **Estimated implementation cost TBA** Estimated emission / fuel TBA savings **Proposed funding streams** Fleet renewal funding, grants **Related LES measures** 4C,4G,5C,5F,6F,6K,7A,7B,7C,7D,7E,7F,7H,7J Links to council plan Protecting vulnerable people /Supporting economic growth /Protect the environment comment **Expected** overall impacts Local economy A cleaner CYC fleet improves city image and reduces operating costs. Uptake of new 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. Requires investment in new vehicles. Where possible this will be offset using grant Capital costs ££££ funding for alternatively fuelled vehicles. Revenue costs Fleet improvements to be delivered by existing staff. A cleaner CYC fleet will contribute towards improving local air quality Local air quality Greenhouse gas A cleaner CYC fleet will help contribute towards reducing local CO₂ 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 emission vehicles by others perception

Alternatively fuelled vehicles can provide a better driving experience for operator,

Other benefits

potential for considerable financial savings for CYC

Measure 10 M	/larketing a	and Communic	ations Strat	egv						
Key intervention										
Raising awareness of air quality and health issues and providing information and advice on the purchase and										
use of low emission	-	•	·	J	·					
Expected outcome	•									
Increased awarene	ess of the h	ealth impacts a	arising from	vehicle emissions and behavio	oural change in relation					
to the purchase an	id use of lo	w emission vel	nicles							
Target	Target									
Key Audiences				Local residents, businesses a						
AQMAs where emi	issions are	expected to re	duce due	No direct impact but will sup	pport wider AQMA					
to this measure				improvement measures	Towart data					
(a) Develop a mark	oting and	communication	ac ctratogy	Responsibility CYC EPU and public health	TBA					
(b) Undertake a pu				CYC EPU and public health	TBA					
		- Campaig		CYC EPU and public health	TBA					
(c) Upgrade JorAir				·	IBA					
Estimated implem				ir quality grant)						
Estimated emissio		vings	Not quanti							
Proposed funding				grant (secured funding)	20.01					
Related LES measu				D,1E,1F,1H,1I, 1J,1K,1L1N,8A,8	38,81					
Links to council pla Expected	overall	comment	Protect vui	vulnerable people						
impacts	Overall	comment								
Local economy		Increasing aw	areness of a	ir quality and health issues an	d providing advice can					
,		_		reduce pressure on local heal						
		made on pers	onal transpo	ort costs may result in more sp	pending in other areas eg.					
		shopping, eat								
Feasibility		Air quality an	d health can	npaigns are taking place in oth	ner cities					
Congestion		Campaign wil	l link to exist	ting I-travel York sustainable t	ravel initiatives.					
Capital costs		AQ grant fund	ding has bee	n secured to support this wor	k					
Revenue costs		To be met fro	m existing s	taff resources and grant fund						
Local air quality				age investment in cleaner veh air pollutants	icles that will help					
Greenhouse gas				age investment in cleaner veh	vicles that will help					
emissions		reduce emiss		age investment in cleaner ver	ncies triat will help					
Planning and		Not applicabl	e							
development	╎╏╏╏									
Socio-economic		Campaign wil grants	l provide eco	onomic advice based on vehic	le choice and access to					
Communities		Campaign wil on health	l provide inf	ormation and advice on the in	npact of poor air quality					
Public perception		A successful o	ampaign wil	ll be perceived as worthwhile	and informative.					
Other benefits		Potential for i	increased su	pport for CYC work on air qua	lity and transport issues					

Measure 11 Lo	ocal incent	ives for low emission ve	hicles and altern	ative fuel use	
Key intervention					
•	es for the p	ourchase and use of low	emission vehicles	by residents. v	visitors, commuters and
businesses				,	•
Expected outcome	•				
		sion vehicles by resident	s, visitors, comm	uters and busi	nesses
Target		,	<u>, , , , , , , , , , , , , , , , , , , </u>		
Key Audiences			Residents, visit	ors commuter	s husinesses
	ssions are	expected to reduce	City centre	Fulford	Salisbury Terrace
due to this measur		expected to reduce	City certific	Tallora	Suisbury Terruce
Key Actions			Responsibility		Target date
•	emission ve	ehicle incentive plan to	CYC		June 2015
include parking inc		-			
incentives and veh		The state of the s			
(b) Implement low	emission v	vehicle incentive plan	CYC		Ongoing beyond June
and report against	delivery ti	mescales within it.			2015
Estimated implem	-	TBA			
cost					
Estimated emissio	n / fuel	TBA			
savings					
Proposed funding	streams	To be investigated			
Related LES measu	ıros	5E,6N,6I,8F			
Links to council pla			otecting vulnerah	ole neonle /Sur	porting economic growth
Links to council pie	211	/ Protect the environ	_	ne people / sup	porting economic growth
Expected	overall	comment	mene		
impacts	Overan	Comment			
Local economy		Financial savings made	through purchase	and use of lov	w emission vehicles will
,		_			iveness for local business
		and greater consumer s		-	
		emission vehicles will he	elp improve publi	c realm with b	enefits for tourism and
		inward investment. Link	ks to an "Oyster"	type card	
Feasibility		The incentives will be in	novative and the	re will be prev	iously untested risks and
		challenges associated w	ith implementati	on.	
Congestion		No impact on congestio	n		
Carattal anata		Th			
Capital costs	£	There may be some sma collection cards etc	ali capital costs re	elating to signa	ge, leariets, point
Revenue costs	££				costs e.g. potential loss
Landata 19		of parking income, prov			dation transitional Conference
Local air quality		•	emission vehicle	es will have pos	sitive implications for local
Cupant		air quality	. a mainaire de la		dation impuliately of
Greenhouse gas		Increased uptake of low	emission vehicle	s will have pos	sitive implications for
emissions		greenhouse gases			
Planning and		Some incentives may be	e able to be linked	d to developer	emission mitigation
development		measures			
Socio-economic				•	low emission vehicle use
					d and not limited only to
Communities		those able to afford low			and these with dissility
Communities					and those with disabilities
Public			cial or material ga	iin are likely to	be viewed positively by
perception		the majority			
Other benefits		Incentives can be linked	through to touri	sm and inward	investment opportunities

Measure 12 A	ttracting l	ow en	nission industries, bus	siness and jobs to York				
Key intervention								
Promotion of York	as a suppo	ortive a	and welcoming enviror	nment for low emission busi	nesses 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 ir	ndustries. Educational			
				establishments and other	training providers.			
AQMAs where emi	ssions are	expec	ted to reduce due to	No direct impact but will s	upport wider AQMA			
this measure				improvement measures				
Key Actions				Responsibility	Target date			
_	_		development area to	EDU	ongoing			
encourage investm	ent by 'gr	reen' a	nd 'low emission'					
industries								
Creation of more h	igh value ,	/ high	productivity jobs in	Task and Finish Working	ongoing			
the 'green' busines	ss sector			Group – York Economic				
				Partnership Board				
Estimated implem	entation c	ost		g staff resources in EDU				
Estimated emission	n / fuel		Not quantifiable					
savings								
Proposed funding	streams		To be investigated	o be investigated				
Related LES measu			1C,6D,6H,7I,8A,8C,8E					
Links to council pla		1	Supporting economic	growth				
Expected	overall	comi	ment					
impacts								
Local economy		Deve	lopment of new job ar	nd training opportunities				
Feasibility		York	has already successful	ly marketed itself as a 'scien	ce city' a similar			
				ace an emphasis on low emi				
Congestion			•	sult in traffic growth, but this				
			~	ble sites and good travel pla	•			
Capital costs				ivestment may be needed to				
			_	arger capital projects such a				
		training facilities are likely to be met through private investment or partnerships						
			other organisations.					
Revenue costs				by existing EDU staff resourc	ces and partner			
Local air quality			nisations	ndustries will help raise the p	arafila of the Low			
Local air quality								
		Emission Strategy and promote further use of low emission vehicles and renewable energy sources. This will help reduce emissions of local air pollutants						
Greenhouse gas				ndustries will help raise the				
emissions				omote the use of low emission				
emissions			•	This will help reduce emission				
Planning and				sion industries can be incorp				
development		syste		oron maastries can be meorp	oracea into the planning			
Socio-economic				gh productivity jobs and tra	ining opportunities			
Communities		Emn	ovment and other car	portunities will be available t	الدو			
Public perception				aining opportunities likely to				
Other benefits				ste from landfill and incinera	_			
				otential for increased uptake	e of wind and solar energy			
		prod	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	us Transpo	rt Func	l bid.				
Target							
Emission sources				All vehicles,			
Key audiences				walkers, cyclists, public transport users, motorists			sport users, motorists
AQMAs where emiss	ions are ex	pected	to reduce due to	City centre	Fulford		Salisbury Terrace
this measure							
Key Actions	Key Actions						get date
Continued delivery of	f I-travel Y	ork sust	tainable travel	Sustainable		On	going
programme which in	cludes wal	king, cy	cling and public	Transport Se	ervice		
transport improvem	ents, perso	onalised	l journey planning,				
provision of travel in		promo	tional events etc.				
http://www.itravelyo							
Implementation of A			-	Sustainable		Con	npletion June 2014
sites at Poppleton ar		-		Transport Se	ervice		
A59/A1237 roundab			•				
Public Transport sch	-		•	Sustainable		On	going
improvements, off b			_	Transport Se	ervices		
improvements, Real			•	DDAE 63.5 :	CTE CA C		of a diagram
Estimated implemen	itation cos	τ	Access York £22.7m,		.51F ±4.6M	. Nev	v tunding trom BBA2
Fatimental aminut	/ fuel seed		Approx. £1.2m up to	201//18			
Estimated emission	Not quantified	1°	- Datt		and Constituting the Constitution		
Proposed funding st	reams		3, LSTF, Major Schemes Funding, Better Bus Area, Local Growth Fund pendent on Strategic Economic Plan bid by LEPs)				
Dolotod LCC mooning				egic Economic	Plan blu by	/ LEPS	5)
	Related LES measures 9F,9L,9R					la /C	nnorting aconomic
Links to council plan			Get York Moving /Progrowth / Protect the	_	able peop	ie/Su	pporting economic
Expected impacts	overall	comn	· ·	environment			
Local economy	over a		ced congestion and imp	proved public	transnort i	mnro	wa tha public roalm
Local economy			upport economic grow	· ·	transporti	прго	ive the public realiti
Feasibility			ures are included in ex		rias		
Congestion			aims to control conges			aging	ruse of sustainable
Congestion			s. LSTF programme ain		-		
			us use by 10%	to increase	Cycling icv	C.5 Dy	, 2070, Walking by 1070
Capital costs	4 £££		•	nsport interve	ntions such	as a	n upgrade of the Outer
	 	1	Road, Bus improvemen	-			
			ependent on the succe				
Revenue costs	f£						ge will provide revenue
	<u> </u>	1			-		tion of the LSTF project
		beyor	nd 2014/15 is depende	nt on the succ	ess of a bio	to t	he DfT in March 2014.
Local air quality		Conge	estion reduction and su	ustainable tran	sport mea	sures	support local air
		_	y improvement				
Greenhouse gas		_	estion reduction and su	ustainable trar	sport mea	sures	support greenhouse
emissions		gas re	duction				
Planning And		Meas	ures to reduce congest	tion and encou	ırage susta	inabl	e travel can help offset
development		traffic	impact of new develo	pment			
Socio-economic		Some	measures may improv	e access to so	me areas o	of the	city for some users
Communities		Moda	l shift measures suppo	ort provision of	faccessible	tran	sport for all
Public perception			measures to reduce co				•
			e unpopular with the	_	-		1 1
				- '			

Other benefits			No	one identified			
Measure 14 Other air quality improvement measures							
Key intervention							
Control of emissions to air from PPC regulated industries, enforcement of Clean Air Act provisions in relation to							
dark smoke and sn	noke	cont	rol are	as			
Target							
Emission sources						point source emissions	
AQMAs where emissions are expected to reduce due to this measure					City centre	Salisbury Terrace	
Key Actions					Responsibility	Target date	
(a) Active regulation of industries subject to PPC regs					CYC EPU	ongoing	
(b) Active enforcement of dark smoke offences under					CYC EPU	ongoing	
Clean Air Act							
(c) Active enforcement of smoke con				control areas	CYC EPU	ongoing	
Estimated implementation cost				Ongoing costs delivered by existing staff resources			
Estimated emission / fuel				Not quantified			
savings				Evicting staff recourses			
Proposed funding streams				Existing staff resources			
Related LES measures Links to council plan				Wider air quality measure not related directly to LES delivery Supporting economic growth			
Links to council plan				Protecting the environment			
Expected	0\	erall	com	comment			
impacts							
Local economy				EPU provides advice and support to local industries to help them to meet emission regulation requirements. This can also reduce costs.			
Feasibility				All measures are currently ongoing and resourced			
reasibility				course die carrettay ongoing und resourced			
Congestion				No impact on congestion			
<u> </u>	Ш	<u> </u>		No control control			
Capital costs	И		Noc	apital costs			
Davianus santa		CC 0::-:		ngoing CYC staffing resources only			
Revenue costs	ff Ongo			going CYC starting resources only			
Local air quality	Co			Control of domestic and industrial emissions helps to protect and improve local			
			air quality				
Greenhouse gas				Control of domestic and industrial emissions helps to reduce and control			
emissions				reenhouse gas emissions			
Planning and development	╟┃			issues arising			
Socio-economic		Le		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				ost people are generally supportive and comply with controls on industrial			
				domestic emissions			
Other benefits				ntrol of smoke can help to avoid occurrence of smoke nuisance and odours didentify occurrences of illegal waste disposal			
			and	identify occurrences of	ı illegal waste disposal		