Customer Ref:	01758 Response Ref: NO_HUB_REF_01	Supporting Info Yes
Name	Jonathan McQuillan	Email jonathanmcquillan@andersonbellchristie.com
Response Type	Agent / Consultant	
On behalf of:	21st Century Homes	

Choice 1 A

We want to connect our places, parks and green spaces together as part of a city-wide, regional, and national green network. We want new development to connect to, and deliver this network. Do you agree with this? - Select support / don't support

Short Response Not Answered

Explanation

Choice

We want to change our policy to require all development (including change of use) to include green and blue infrastructure. Do you agree with this? - Support / Object

Short Response Not Answered

1 B

Customer Ref:	01758 Response Ref: NO_HUB_REF_01	Supporting Info Yes
Name	Jonathan McQuillan	Email jonathanmcquillan@andersonbellchristie.com
Response Type	Agent / Consultant	
On behalf of:	21st Century Homes	
Choice	1 C	
We want to ident	ify areas that can be used for future water management to enable a	adaptation to climate change. Do you agree with this? - Yes / No
Short Response	Not Answered	
Explanation		
Choice	1 D	
We want to clearl	y set out under what circumstances the development of poor quality	y or underused open space will be considered acceptable. Do you agree with this? -
Yes / No		
Short Response	Not Answered	
Explanation		
Choice	1 E	
		t as we grow communities will need access to green spaces more than 5 hectares. Do
you agree with th		
Short Response	Not Answered	

Customer Ref:	01758	Response Ref:	NO_HUB_REF_01	Supporting Info	Yes
Name	Jonathan Mc	Quillan		Email jonathanm	cquillan@andersonbellchristie.com
Response Type	Agent / Consu	ultant			
On behalf of:	21st Century	Homes			
				_	
Choice	1 F				
We want to ident this? - Yes / No	ify specific site	s for new allotments a	nd food growing, both as part	of new development sites a	nd within open space in the urban area. Do you agree with
Short Response	Not Answered				
Explanation					
Choice	1 F				
We want to ident this? - Upload (ma	• •	s for new allotments a	nd food growing, both as part	of new development sites a	nd within open space in the urban area. Do you agree with
Short Response	No				
Explanation					
Choice	1 G				
We want to ident		Iditional cemetery pro	vision, including the potentia	for green and woodland bu	rials. Do you agree with this? - Yes / No
Short Response	Not Answered				
Explanation					
Explanation					

Customer Ref:	01758	Response Ref:	NO_HUB_REF_01	Supporting Info Yes
Name	Jonathan McQuil	lan		Email jonathanmcquillan@andersonbellchristie.com
Response Type	Agent / Consultar	nt		
On behalf of:	21st Century Hon	nes		
Choice	1 H			
	• •	ies and green spac	e designations to ensure that	t new green spaces have long term maintenance and management arrangements in pla
Do you agree with	h this? - Yes/No			
		1		
•	Not Answered			
Explanation				
Choice	2 A			
				tements, to demonstrate how their design will incorporate measures to tackle and ada
to climate change, No	, their future adap	tability and measu	ures to address accessibility f	or people with varying needs, age and mobility issues as a key part of their layouts Ye
Short Response	Not Answered	I		
•	NOT Allsweled			
Explanation				
Choice	2 B			
We want to revise		nsity to ensure th	at we make best use of the l	imited space in our city and that sites are not under-developed. Do you agree with this?
We want to revise		ensity to ensure th	at we make best use of the l	imited space in our city and that sites are not under-developed. Do you agree with this?
Choice We want to revise Yes / No Short Response	e our policies on de	ensity to ensure th	at we make best use of the li	imited space in our city and that sites are not under-developed. Do you agree with this?

Customer Ref:	01758	Response Ref:	NO_HUB_REF_01	Supporting Info	Yes
Name	Jonathan McO	Quillan		Email jonathanm	ncquillan@andersonbellchristie.com
Response Type	Agent / Consu	ultant			
On behalf of:	21st Century	Homes			
Choice	2 C				
We want to revise	e our design an	d layout policies to ac	hieve ensure their layouts deliv	ver active travel and connec	ctivity links. Do you agree with this? - Yes / No
Short Response	Not Answered				
Explanation					
Choice	2 D				
We want all deve densities. Do you	•		to deliver quality open space a	nd public realm, useable fo	r a range of activities, including drying space, without losing
defisities. Do you	agree with this	5: - 1657 100			
Short Response	Not Answered				
Explanation					
Explanation					
Choice	3 A				
	-		o carbon / platinum standards rd. Which standard should new		ottish Building Regulations. Instead we could require new h meet? - Which standard?
Short Response	Other				
Explanation			ion is that it may impose a blan	ket requirement to achieve	Platinum Standard. Our work with the council to do confirms
			all circumstances. It may be sui		

Customer Ref:	01758	Response Ref:	NO_HUB_REF_01	Supporting Info	Yes			
Name	Jonathan McQuilla	in		Email jonathanm	cquillan@a	ndersonbellchristie.c	om	
Response Type	Agent / Consultant	t						
On behalf of:	21st Century Home	es						
Choice	4 A							
		• •	lace Briefs for areas and sit should deliver. Do you agre	es within City Plan 2030 highligh	nting the ke	ey elements of design	, layout, and tra	nsport,
		are development	Siloulu deliver. Do you agri					
Short Response	Not Answered							
Explanation								
	4 B							
We want to suppo	ort Local Place Plans		by our communities. City Pl with local communities to J	an 2030 will set out how Local F prepare Local Place Plans?	Place Plans	can help us achieve g	reat places and s	support
We want to suppo	ort Local Place Plans		-		Place Plans	can help us achieve g	reat places and s	support
We want to suppo	ort Local Place Plans ions How should t		-		Place Plans	can help us achieve g	reat places and s	support
We want to suppo community ambit	ort Local Place Plans ions How should t		-		Place Plans	can help us achieve g	reat places and s	support
We want to suppo community ambit Short Response	ort Local Place Plans ions How should t		-		Place Plans	can help us achieve g	reat places and s	support
We want to suppo community ambit Short Response Explanation	ort Local Place Plans ions How should t Not Answered		-		Place Plans	can help us achieve g	reat places and s	support
We want to suppo community ambit Short Response Explanation Choice	ort Local Place Plans ions How should t Not Answered	the Council work	with local communities to p	prepare Local Place Plans?				
community ambit Short Response Explanation Choice We want City Plan	ort Local Place Plans ions How should t Not Answered 5 A 2030 to direct deve	the Council work	with local communities to p re there is existing infrastru		tion, healtl	ncare and sustainable		
We want to suppo community ambit Short Response Explanation Choice We want City Plan	ort Local Place Plans ions How should t Not Answered 5 A 2030 to direct deve	the Council work	with local communities to p re there is existing infrastru	prepare Local Place Plans? ucture capacity, including educa	tion, healtl	ncare and sustainable		

Customer Ref:	01758	Response Ref:	NO_HUB_REF_01		Supporting Info	Yes		
Name	Jonathan McQ	uillan			Email jonathan	ncquillan@andersor	nbellchristie.com	
Response Type	Agent / Consul	ltant						
On behalf of:	21st Century H	lomes						
Choice	5 B							
-			nity facilities are need ces. Do you agree with		hese must be well con NO	nected to active tra	vel routes and in lo	ocations with high
Short Response	Not Answered							
Explanation								
Choice	5 C							
We want to reflect travel. Do you age			nity services close to t	he communit	ies they serve, suppor	ting a high walk-in p	opulation and red	ucing the need to
Short Response	Not Answered							
Explanation								
Choice	5 D1							
We want to set o	ut in the plan wh	nere development wi	ll be expected to cont	ribute toward	d new or expanded co	nmunity infrastruct	ure. Do you agree	with this? - Yes / No
Short Response	Not Answered							
Explanation								

Customer Ref:	01758 Response Ref: NO_H	UB_REF_01 Supporting In	fo Yes
Name	Jonathan McQuillan	Email jonath	anmcquillan@andersonbellchristie.com
Response Type	Agent / Consultant		
On behalf of:	21st Century Homes		
Choice	5 D2		
We want to use cu	mulative contribution zones to determine i	nfrastructure actions, costs and delivery mecha	anisms. Do you agree with this? - Yes / No
Short Response	Not Answered		
Explanation			
Choice	5 E		
		uidance for developer contributions within the	plan, Action Programme and in non-statutory guidance. Do
you agree with thi		·	
Short Response	Not Answered		
Short Response Explanation	Not Answered		
- 1	Not Answered		
Explanation			
Explanation Choice	6 A		
Explanation Choice We want to create	6 A a new policy that assesses development ag	ainst its ability to meet our targets for public t and high-quality active travel routes. Do you ag	ransport usage and walking and cycling. These targets will vary gree with this? - Yes / No
Explanation Choice We want to create	6 A a new policy that assesses development ag		
Explanation Choice We want to create	6 A a new policy that assesses development ag irrent or planned public transport services a		

Customer Ref:	01758	Response Ref:	NO_HUB_REF_01	Supporting Info	Yes	
Name	Jonathan McQu	uillan		Email jonathanm	cquillan@andersonbellchristie.com	
Response Type	Agent / Consul	tant				<u>_</u>
On behalf of:	21st Century H	omes	<u>,</u>			
				, 		
Choice	6 B					
			by walking, cycling and public c transport. Do you agree wit		and planned transit interventions. This	will determine
Short Response	Not Answered					
Explanation						
Chaica	7 4					
Choice	7 A					
		-	based on targets for trips by w to control on-street parking. I		nsport. These targets could be set by a > / No	irea, development
Short Response	Not Answered					
Explanation						
Choice	7 B					
We want to prote you agree with th	-	evelopment of addition	onal car parking in the city cen	tre to support the delivery o	of the Council's city centre transformati	on programme. Do
, , ,						
Short Response	Not Answered					
Explanation						

Customer Ref:	01758	Response Ref:	NO_HUB_REF_01	Supporting Info	Yes
Name	Jonathan McQuil	llan		Email jonathann	ncquillan@andersonbellchristie.com
Response Type	Agent / Consulta	nt			
On behalf of:	21st Century Hor	nes			
Choice	7 C				
We want to updat agree with this? -		icies to control den	nand and to support parking fo	or bikes, those with disabilit	ies and electric vehicles via charging infrastructure. Do you
Short Response	Not Answered				
Explanation					
Choice	7 D				
Mobility Plan or it	ts action plan. Do	you agree with this		y's park and ride infrastruct	isions, including any other sites that are identified in the City ure by safeguarding sites for new park and ride and
		_			
Short Response	Not Answered				
Explanation					
Choice	8 A				
We want to updat	te our policy on th	e Cycle and Footpa	ath Network to provide criteria	for identifying new routes.	Do you agree with this? - Yes / No
• • •			•	, 0	
Short Response	Not Answered				
Explanation					

Customer Ref:	01758 Response Ref: NO_HUB_REF_01	Supporting Info Yes
Name	Jonathan McQuillan	Email jonathanmcquillan@andersonbellchristie.com
Response Type	Agent / Consultant	
On behalf of:	21st Century Homes	
Choice	8 B	
		improve strategic walking and cycling links around the city, we want to add the proposals to ensure that they are delivered. Do you agree with this? - Yes / No
Short Response Explanation	Not Answered	
Choice	8 C	
to include any nev		within any of the proposed options for allocated sites. We also want the City Plan 2030 oming City Plan 2030 Transport Appraisal, the City Mobility Plan, or which are identified
Short Response Explanation	Not Answered	
Choice	8 C	
to include any new		within any of the proposed options for allocated sites. We also want the City Plan 2030 oming City Plan 2030 Transport Appraisal, the City Mobility Plan, or which are identified
Short Response Explanation	No	

Customer Ref:	01758 Re	esponse Ref:	NO_HUB_REF_(01	Supporting Info	Yes			
Name	Jonathan McQuillan				Email jonathanr	ncquillan@a	ndersonbellchristie.	.com	
Response Type	Agent / Consultant								
On behalf of:	21st Century Homes								
Choice	9 A								
					et Control Area' where p	lanning per	mission will always	be required fo	r the change of
use of whole prop	erties for short-term le	ets. Do you agr	ree with this appro	'oach? - Yes / No)				
Chart Dans and									
Short Response	Not Answered								
Explanation									
Choice	9 B								
We want to creat	e a new policy on the lo			•	cy will be used when plan		sion is required for	a change of u	se of residential
We want to creat	e a new policy on the lo			•	cy will be used when plan agree with this? - Yes /		sion is required for	a change of u	se of residential
We want to create flats and houses t	e a new policy on the lo o short-stay commercia			•			sion is required for	a change of u	se of residential
We want to create flats and houses t Short Response	e a new policy on the lo o short-stay commercia			•			sion is required for	a change of u	se of residential
We want to create flats and houses t	e a new policy on the lo o short-stay commercia			•			sion is required for	a change of u	se of residential
We want to create flats and houses t Short Response	e a new policy on the lo o short-stay commercia			•			sion is required for	a change of u	se of residential
We want to create flats and houses t Short Response Explanation	e a new policy on the lo o short-stay commercia			•			sion is required for	a change of u	se of residential
We want to create flats and houses t Short Response Explanation Choice We want to revise	e a new policy on the lo o short-stay commercia Not Answered 10 A	al visitor accor e-built student	mmodation or oth	her uses. Do you nt to ensure tha	agree with this? - Yes /	No			
We want to create flats and houses t Short Response Explanation Choice We want to revise	e a new policy on the lo o short-stay commercia Not Answered 10 A e our policy on purpose	al visitor accor e-built student	mmodation or oth	her uses. Do you nt to ensure tha	agree with this? - Yes /	No			

Customer Ref:	01758 Response Ref: NO_HUB_REF_01	Supporting Info Yes
Name	Jonathan McQuillan	Email jonathanmcquillan@andersonbellchristie.com
Response Type	Agent / Consultant	
On behalf of:	21st Century Homes	
Choice	10 B	
We want to creat this? - Yes / No	e a new policy framework which sets out a requirement for housi	ng on all sites over a certain size coming forward for development. Do you agree with
Short Response	Not Answered	
Explanation		
Choice	10 C	
1		tre retail units and commercial centres, where their redevelopment for mixed use
	would be supported. Do you agree with this? - Yes / No	
Short Response	Not Answered	
Explanation		
Choice	11 A	
		$r_{\rm exp} = 10^{10}$ to 25^{10} . Do not obviate this approach 2. Not (No.
we want to amer	id our policy to increase the provision of affordable housing requi	rement from 25% to 35%. Do you agree with this approach? - Yes / No
	Not Answered	
Explanation		

Customer Ref:	01758	Response Ref:	NO_HUB_REF_C	01	Suppor	ting Info	Yes
Name	Jonathan McQuilla	an			Email	jonathanmo	cquillan@andersonbellchristie.com
Response Type	Agent / Consultant	t					
On behalf of:	21st Century Home	es					
				`			
Choice	11 B						
	n 2030 to require a n Id support for the Pr				•	iptive on th	e required mix, including the percentage requirement for
					-		
Short Response	Not Answered						
Explanation							
Choice	12 A						
		an 1/2/2					
which option do	you support? - Optic	on 1/2/3					
Short Response	Not Answord						
Explanation	Not Answered						
Explanation							
Choice	12 B1						
		e proposed green	field areas? (Plea	ase tick all that	annly) - Sunnor	t Greenfield	I - Support - Calderwood
bo you support o		e hichosed Rigel			. գրիւչյ - ՏսիիՕլ	Greenneid	
Short Possonso	Not Answord						
Short Response	NUT AIISWEIEU						
Explanation							

Customer Ref:	01758 Response Ref: NO_HUB_REF_01	Supporting Info Yes
Name	Jonathan McQuillan	Email jonathanmcquillan@andersonbellchristie.com
Response Type	Agent / Consultant	
On behalf of:	21st Century Homes	
Choice	12 B2	
Do you support o	r object to any of the proposed greenfield areas? (Please tick all that	t apply) - Support Greenfield - Support - Kirkliston
Short Response	Not Answered	
Explanation		
Choice	12 B3	
Do you support o	r object to any of the proposed greenfield areas? (Please tick all that	t apply) - Support Greenfield - Support - West Edinburgh
Short Response	Not Answered	
Explanation		
Choice	12 B4	
Do you support o	r object to any of the proposed greenfield areas? (Please tick all that	t apply) - Support Greenfield - Support - East of Riccarton
Short Response	Not Answered	
Explanation		

Customer Ref:	01758	Response Ref:	NO_HUB_REF_01	Supporting Info	Yes	
Name	Jonathan McQuillan	1		Email jonathan	mcquilla	n@andersonbellchristie.com
Response Type	Agent / Consultant					
On behalf of:	21st Century Homes	S				
Choice	12 B5					
Do you support o	r object to any of the	proposed green	field areas? (Please tick all that	apply) - Support Greenfi	eld - Sup	port - South East Edinburgh
Short Response	Not Answered					
Explanation						
Choice	12 B6					
Do you support o	r object to any of the	proposed green	field areas? (Please tick all that	apply) - Support Greenfi	eld - Obj	ect - Calderwood
Short Response	Not Answered					
Explanation						
Choice	12 B7					
Do you support o	r object to any of the	proposed green	field areas? (Please tick all that	apply) - Support Greenfi	eld - Obj	ect - Kirkliston
Short Response	Not Answered					
Explanation						

Customer Ref:	01758 R	esponse Ref:	NO_HUB_REF_01	Suppo	orting Info	Yes]	
Name	Jonathan McQuillan			Email	jonathanm	cquillan@ar	ndersonbellchristie.com	
Response Type	Agent / Consultant							
On behalf of:	21st Century Homes							
Choice	12 BX							
Do you support o	r object to any of the p	proposed green	field areas? (Please tic	k all that apply) - Explai	n why			
Short Response	Not Answered							
Explanation								
Choice	12 C							
		us to consider ir	the proposed Plan? -	Greenfield file upload				
Short Response	Νο							
Explanation								
Explanation								
Choice	12 C							
		unto consider in	the proposed Dian?	Creanfield file unload				
Do you nave a gre	eenneid site you wish t	us to consider if	i the proposed Plan? -	Greenfield file upload				
Short Response	NO							
Explanation								

Customer Ref:	01758 Response Ref: NO_HUB_REF_01	Supporting Info Yes
Name	Jonathan McQuillan	Email jonathanmcquillan@andersonbellchristie.com
Response Type	Agent / Consultant	
On behalf of:	21st Century Homes	
Choice	12 C	
Do you have a gre	eenfield site you wish us to consider in the proposed Plan? - Gree	enfield file upload
Short Response	No	
Explanation		
Choice	12 D	
Do you have a bro	ownfield site you wish us to consider in the proposed Plan? - Bro	wnfield sites upload
Short Response	Νο	
Explanation		
Choice	13 A	
		-ups, culture and tourism, innovation and learning, and the low carbon sector, where there
is a contribution t	to good growth for Edinburgh. Do you agree with this? - Yes / No	
Short Response	Not Answered	
Explanation		

Customer Ref:	01758 Re	esponse Ref:	NO_HUB_REF	_01	Supportin	ng Info	Yes			
Name	Jonathan McQuillan				Email joi	nathanmo	quillan@a	ndersonbellch	nristie.com	
Response Type	Agent / Consultant									
On behalf of:	21st Century Homes									
Choice	14 A									
inclusive, sustaina	n 2030 to support the b able growth. We will do o you support this app	this through 'a	in area of sear	•		-			•	
Short Response	Not Answered									
Explanation										
Choice	14 B									
	ve the safeguard in the is approach? - Yes / No		or the Royal H	ighland Showgro	ound site to the so	uth of the	e A8 at No	rton Park and	allocate the si	te for other uses. Do
Short Response Explanation	Not Answered									
Choice	14 C									
-	n 2030 to allocate the A you agree with this app	-		the "crosswinds	s runway" for the d	developm	ent of alte	rnative uses n	ext to the Edi	nburgh Gateway
Short Response	Not Answered									

Customer Ref:	01758	Response Ref:	NO_HUB_REF_01	Supporting Info	Yes		
Name	Jonathan McO	Quillan		Email jonathann	ncquillan@	andersonbellchristie.com	
Response Type	Agent / Consu	ltant					
On behalf of:	21st Century H	lomes					
				~			
Choice	15 A						
			first' approach. City Plan 2030 ment and tourism activities. D	-	-	tre as the regional core of south	east Scotland
providing shoppin	ig, commerciari	leisure, and entertain		o you agree with this: - res	/ 110		
Short Response	Not Answered						
Explanation	NOT AIISWEI EU						
Explanation							
Choice	15 B						
		• •				entres) justified by the Commerci bing within walking distance. Do	
Short Response	Not Answered						
Explanation							
Choice	15 C						
			including the potential for ne the outcomes of the City Mobi			anges where they support walki	ng and cycling
,							
Short Response	Not Answered						
Explanation							
-							

Customer Ref:	01758	Response Ref:	NO_HUB_REF	01	Sup	porting Info	Yes		
Name	Jonathan McQuil	Jonathan McQuillan				ail jonathanm	ncquillan	@andersonbellchristie.com	
Response Type	Agent / Consulta	nt							
On behalf of:	21st Century Hon	nes							
Choice	15 D								
balance of uses w		o maintain their vi	tality, viability	and deliver good				atterns and trends, and ensop using supplementary gui	
Short Response	Not Answered								
Explanation	L	1							
Choice	15 E								
We want to support this approach? - Y	•	ision in local, towr	a, commercial c	entres and othe	r locations w	th good public	c transpo	ort access throughout Edin	ourgh. Do you agree with
		1							
Short Response	Not Answered								
Explanation									
Choice	15 G								
	ek to reduce the qu any growing dema				r of alternati	ve uses such as	s increas	sed leisure provision and pe	ermit commercial centres
Short Response	Not Answered								

Customer Ref:	01758	Response Ref:	NO_HUB_REF_01	Supporting Info	Yes	
Name	Jonathan McQuilla	in		Email jonathanr	mcquillan@andersonbellchristie.com	
Response Type	Agent / Consultant	t				
On behalf of:	21st Century Home	es				
Choice	16 A1					
	nue to support offic Do you agree? - Ye	-	office locations at Edinburgh F	Park/South Gyle, the Intern	ational Business Gateway, Leith, the city	centre, and in town
Short Response Explanation	Not Answered					
Choice	16 A2					
We want to suppo	ort office developme	ent at commercia	l centres as these also provide	accessible locations Yes	/ No	
Short Response Explanation	Not Answered					
	16 A3 gthen the requireme	ent within the city	v centre to provide significant	office floorspace within ma	ajor mixed-use developments. Do you agi	ree? - Yes / No
L	Not Answered					, -

Customer Ref:	01758 Response Ref: NO_HUB_REF_01	Supporting Info Yes
Name	Jonathan McQuillan	Email jonathanmcquillan@andersonbellchristie.com
Response Type	Agent / Consultant	
On behalf of:	21st Century Homes	
Choice	16 A4	
We want to amer	nd the boundary of the Leith strategic office location to remove area	s with residential development consent. Do you agree? - Yes / No
Short Response	Not Answered	
Explanation		
Choice	16 A5	
We want to conti	nue to support office development in other accessible locations else	where in the urban area. Do you agree? - Yes / No
Short Response	Not Answered	
Explanation		
Choice	16 A5	
		where in the urban area. Do you agree? - Do you have an office site you wish us to
consider in the pr		
Short Response		
Explanation		

Customer Ref:	01758 Response Ref: NO_HUB_REF_01	Supporting Info Yes
Name	Jonathan McQuillan	Email jonathanmcquillan@andersonbellchristie.com
Response Type	Agent / Consultant	
On behalf of:	21st Century Homes	
Choice	16 B	
We want to ident	ify sites and locations within Edinburgh with potential for office deve	lopment. Do you agree with this? - Yes/No
Short Response Explanation	Not Answered	
Choice	16 C	
use, unless existin	g office space is provided as part of denser development. This would	This would not permit the redevelopment of office buildings other than for office apply across the city to recognise that office locations outwith the city centre and could Introduce a 'loss of office' policy only in the city centre Yes / No
Short Response Explanation	Not Answered	
Choice	16 E1	
	fy proposals for new modern business and industrial sites to provide rategic Business Centre	necessary floorspace at the following locations. Do you agree? - Yes / No -
Short Response Explanation	Not Answered	

Customer Ref:	01758 Response Ref: NO_HUB_REI	F_01 Supporting Info Yes
Name	Jonathan McQuillan	Email jonathanmcquillan@andersonbellchristie.com
Response Type	Agent / Consultant	
On behalf of:	21st Century Homes	
Choice	16 E2	
We want to ident Support - Newbrid		ial sites to provide necessary floorspace at the following locations. Do you agree? - Yes / No -
Short Response	Not Answered	
Explanation		
Choice	16 E3	
	ify proposals for new modern business and industria ighall Industrial Estate.	ial sites to provide necessary floorspace at the following locations. Do you agree? - Yes / No -
Short Response	Not Answered	
Explanation	Not Answered	
схріанацоп		
Choice	16 E4	
We want to ident Support - The Cro		ial sites to provide necessary floorspace at the following locations. Do you agree? - Yes / No -
Short Response	Not Answered	

Customer Ref:	01758 Response Ref:	NO_HUB_REF_01	Supporting Info Yes	
Name	Jonathan McQuillan		Email jonathanmcquillan@andersonbellchristie.com	
Response Type	Agent / Consultant			
On behalf of:	21st Century Homes			
Choice	16 E5			
	ify proposals for new modern busing rategic Business Centre	ess and industrial sites to provide	le necessary floorspace at the following locations. Do you agree? - Yes / No - Do not	
Short Response Explanation	Not Answered			
Choice	16 E6			
We want to ident support - Newbrid		ess and industrial sites to provide	le necessary floorspace at the following locations. Do you agree? - Yes / No - Do not	
Short Response Explanation	Not Answered			
Choice	16 E7			
	ify proposals for new modern busing ighall Industrial Estate.	ess and industrial sites to provide	le necessary floorspace at the following locations. Do you agree? - Yes / No - Do not	
Short Response Explanation	Not Answered			

Customer Ref:	01758 Response R	ef: NO_HUB_REF_01	Supporting Info	Yes
Name	Jonathan McQuillan		Email jonathanm	cquillan@andersonbellchristie.com
Response Type	Agent / Consultant			
On behalf of:	21st Century Homes			
Choice	16 E8			
We want to identi support - The Cros		siness and industrial sites to provid	de necessary floorspace at the	e following locations. Do you agree? - Yes / No - Do not
upport - The Cros	swinds Runway			
Short Possonse	Not Answered			
Short Response	Not Answered			
Explanation				
Choice	16 EX			
We want to identi	fy proposals for new modern bu	siness and industrial sites to provid	de necessary floorspace at the	e following locations. Do you agree? - Explain why
Short Response	Not Answered			
Explanation				
Choice	16 F			
amount expected		a on what constitutes flexible bus		Place Briefs for greenfield sites. We want to set out the ver it, including the location on-site, and considering
	· · · · · · · · ·			

Customer Ref:	01758 Response Ref: NO_HUB_REF_01	Supporting Info Yes
Name	Jonathan McQuillan	Email jonathanmcquillan@andersonbellchristie.com
Response Type	Agent / Consultant	
On behalf of:	21st Century Homes	
Choice	16 G	
We want to contin	nue to protect industrial estates that are designated under our curre	nt policy on Employment Sites and Premises (Emp 8). Do you agree? - Yes / No
Short Response	Not Answered	
Explanation		
Choice	16 H	
We want to introd	duce a policy that provides criteria for locations that we would suppo	ort city-wide and neighbourhood goods distribution hubs. Do you agree? - Yes / No
Short Response	Not Answered	
Explanation		

From: Jonathan McQuillan <jonathanmcquillan@andersonbellchristie.com>
Sent: 10 June 2020 10:34
To: cityplan2030 <cityplan2030@edinburgh.gov.uk
Subject: Consultation - Energy Standards</pre>

Hi There

I apologise for this late response, you will appreciate that the COVID19 pandemic has been a focus of our attention. If it is not too late, we would like to raise a response to the City Plan 2030 consultation regarding future energy standards.

We are currently a consultant to City of Edinburgh Council on the Professional Services Framework. For the past 6 months we have been developing a net zero carbon strategy for 21st Century Homes in CEC for their new build housing. The report was presented to the Housing and Sustainability Committee in January 2020 and they agreed to progress the concepts further. Attached is a copy of the minute for reference, refer to item 5.2:

5.2 Continued collaboration work with both Edinburgh Napier University and Anderson Bell Christie architects to develop and embed an ambitious new build design principle to support the move towards net zero carbon. A detailed report on this proposed new approach will be reported back to this Committee within two cycles.

Essentially, our findings demonstrate that the building regulations Technical Handbook Platinum Standard is not practicable. We have instead presented an alternative approach that also demonstrates net zero carbon.

During our research we found that we were the only organisation to have queried the definition of the platinum standard and the only ones to try and demonstrate how to achieve it.

Our concern with the 2030 Consultation is that it may impose a blanket requirement to achieve Platinum Standard. Our work with the council to do confirms that this is not the right approach in all circumstances. It may be suitable for some non-domestic projects. It is not however suitable for new build housing.

We would propose a more joined up approach so that the City Plan 2030 reflects the work being done on net zero carbon in new buildings in other parts of the Council.

We are more than happy to discuss our work for CEC and the progress we have made in net zero carbon. We would urge a more flexible approach to net zero, that would not preclude the strategies that have been developed specifically for CEC to date.

Kind Regards

Jonathan McQuillan Director

anderson bell + Christie | 382 Great Western Road, Glasgow, G4 9HT t: 0141 339 1515 e: jonathanmcquillan@andersonbellchristie.com w: www.andersonbellchristie.com

Housing, Homelessness and Fair Work Committee

10.00am, Monday, 20 January 2020

Housing Sustainability

Executive/routineExecutiveWardsAllCouncil Commitments	
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1. Recommendations

- 1.1 It is recommended that Housing, Homelessness and Fair Work Committee:
 - 1.1.1 notes that the domestic sector is responsible for around 35% of overall emissions with Council housing responsible for less than 2% of emissions;
 - 1.1.2 notes that the significant investment in improving the energy efficiency of existing Council homes, coupled with the decarbonisation of the grid, has resulted in a 65% reduction in carbon emissions since 2005;
 - 1.1.3 notes the approach to achieving net zero carbon in Council Homes and that progress will be reported as part of the Housing Revenue Account (HRA) Business Plan;
 - 1.1.4 notes the range of innovative energy programmes and projects underway to reduce emissions across the city, tackle fuel poverty and overcome mixed tenure ownership barriers; and
 - 1.1.5 notes that this report will be referred to Policy and Sustainability Committee on 25 February 2020.

Paul Lawrence

Executive Director of Place

Contact: Elaine Scott, Housing Services Manager

E-mail: elaine.scott@edinburgh.gov.uk | Tel: 0131 529 2277



Housing Sustainability

2. Executive Summary

- 2.1 The Council's recent commitment to achieve net zero carbon by 2030 and declaration of a Climate Emergency has placed sustainability and climate change at the centre of strategic and policy discussions.
- 2.2 Council housing is responsible for approximately 2% of Edinburgh's overall carbon emissions, while the owner occupier, private rented sectors (and a small contribution from other registered social landlords) combined are responsible for approximately 33%. A concerted effort is required across the whole domestic sector to help support the transition to net zero carbon. Achieving these higher standards will be challenging both financially and technically, due to the age and construction of existing homes, further compounded by the mixed tenure ownership patterns found across Edinburgh.
- 2.3 Across the Council's existing and new build housing estate significant investment has been made in both building homes to very high energy efficiency standard and retrofitting existing homes to improve their energy performance and help to tackle fuel poverty. Higher standards, as applied to social housing, need to be applied across the wider domestic sector, with the right incentives in place, if carbon emissions are to fall as sharply as is required by 2030.
- 2.4 Opportunities for funding new technologies, collaboration and learning with both the private and academic sectors will continue to be promoted to overcome mixed tenure barriers, invest in its existing housing stock to improve energy performance, promote behaviour change and trial innovative low carbon technology pilots.

3. Background

- 3.1 On <u>24 August 2017</u>, the Council agreed the Programme for the Capital The City of Edinburgh Council Business Plan 2017/22, including a commitment to deliver 20,000 affordable homes over the next ten years.
- 3.2 <u>21 February 2019</u>, the Council approved the five-year Housing Revenue Account (HRA) Budget Strategy 2019/20 to 2023/24. In addition to this, Council approved a draft 2019/20 capital budget, five-year capital investment programme and 30-year

Business Plan. This included £1,823 million capital investment over the next ten years to deliver the Council's own housing development programme.

- 3.3 On <u>21 March 2019</u>, the Housing and Economy Committee approved the 2019/20 HRA capital programme for investment of £108.954 million in new homes, existing homes (including external fabric and estates) and services. This was a 35% increase on the previous year's approved capital programme and is the largest annual capital investment programme to date in Council homes.
- 3.4 On the <u>14 May 2019</u>, the Corporate Policy and Strategy Committee approved the Council's Sustainability Approach, which included Edinburgh working towards a net zero carbon target by 2030, with a hard target of 2037. In response to this the Housing Service is commissioning two separate pieces of consultancy work on options to achieving net zero carbon across the Council's new build housing programme and the Council's existing stock.
- 3.5 On <u>31 October 2019</u>, the Housing, Homelessness and Fair Work Committee approved the Strategy Housing Investment Plan (SHIP) 2020/25. This SHIP outlines a programme over the next five years which would deliver nearly 9,500 affordable homes across the city. Since the commitment was introduced (2017/18), 2,118 homes have been completed and a further 3,101 homes have been approved.

4. Main report

City of Edinburgh Council's Net Zero Carbon target

- 4.1 The Council's recent commitment to achieve net zero carbon by 2030 and declaration of a Climate Emergency has placed sustainability and climate change at the centre of strategic and policy discussions. This has also raised the profile of Edinburgh as one of the most ambitious cities seeking to tackle climate change to deliver a more sustainable and inclusive city. As a large social landlord in the city with over 19,500 homes and ambitions to build a further 10,000 new homes the Council can lead by example in delivering high quality, sustainable homes at a price that is affordable to the Council and its customers.
- 4.2 Unlike absolute zero emissions, 'net zero' or 'carbon neutral' implies some carbon emissions remain but allows for some form of offsetting. 'Net zero' refers to achieving an overall balance between emissions produced and emissions offset.
- 4.3 Reducing emissions across Council housing should not just focus solely on carbon savings but should also balance affordability with the needs of tenants such as thermal comfort and reduced energy bills. The Housing Service has adopted a fabric first approach which reduces energy demand and is technically, environmentally and economically viable.
- 4.4 A Fabric first approach to building design involves maximising the performance of the components and materials that make up the building fabric itself. Buildings

designed and constructed using a fabric first approach aim to minimise the need for energy consumption through methods such as: maximising air-tightness; increased levels of insulation; and optimising solar gain and natural ventilation.

- 4.5 Low carbon and renewable technologies (including decentralised energy supply systems, cogeneration, district heating, and heat pumps) are a key component of any move towards net zero carbon but should only be considered in addition to, or complementary to advanced fabric measures. Many of these systems can be expensive, can have a high embodied energy and rely heavily on customer behaviour to maximise benefit. It is also important that these low carbon and renewable technologies are appropriate for the building type and can evidence affordability and benefit to tenants. Future legislation will likely mandate their use more widely through building standards.
- 4.6 Carbon offsetting is another approach that can help address the issue of a carbon shortfall once measures have been put in place. This means that any remaining hard to reach emission reductions can be calculated and a price per tonne agreed upon. This total amount could then be paid into a verified carbon offsetting scheme that offsets those emissions by the same amount. This could be in the form of planting forestry in Scotland, investing in offshore wind farms or local community renewable schemes.

Domestic sector carbon emissions in Edinburgh

- 4.7 There are approximately 232,000 domestic properties in Edinburgh. Of these 142,000 (61%) are owner occupied, 56,000 (24%) are private rented, 20,000 (9%) are Council homes and 15,000 (6%) are housing association homes.
- 4.8 Edinburgh has a more challenging set of circumstances compared to other cities in Scotland in terms of reducing carbon emissions within the domestic sector. Edinburgh's population has increased by 63,700 (+14%) since 2005. Over the same period Glasgow's population has increased by 51,800 (+9%) and Aberdeen's by 20,110 (+10%).
- 4.9 In terms of the age of overall housing in Edinburgh, 47% (107,704) of homes were constructed before 1945. Of which approximately 70% (76,000) were built before 1919. As such, Edinburgh has a high percentage of hard to treat pre-1945 properties, many of which require significant fabric upgrades to help reduce energy demand. The mixed ownership patterns found in tenement style housing also presents complexities in terms of gaining agreements from all homeowners in mixed tenure blocks to carry out energy efficiency upgrades. All of which presents numerous challenges in improving energy efficiency.

Scottish Governments Energy Efficient Scotland Programme

4.10 The Scottish Government has produced an ambitious Energy Strategy, including a net zero carbon target by 2045. One of the cornerstones of this strategy is the Energy Efficient Scotland Programme (EES). EES builds on existing legislation and programmes that are already supporting the improvement of the energy efficiency of

homes, businesses and public buildings, as well as working with local authorities to develop Local Heat and Energy Efficiency Strategies (LHEES).

- 4.11 EES sets long term domestic standards for the social rented, private rented and owner occupier sectors and proposes that all residential properties in Scotland will be required to achieve an Energy Performance Certificate (EPC) rating of at least EPC C by 2040. For the social rented sector EES is proposing a new Energy Efficiency Standard for Social Housing 2 (EESSH), which proposes to maximise the number of homes in this sector achieving EPC B (SAP ≥81) by 2032.
- 4.12 With a significantly lower percentage of social housing in Edinburgh (15%) compared to the private rented and owner occupier sector, setting higher standards for social housing will have a limited impact on domestic sector carbon emissions. Higher standards as applied to social housing need to be applied across the wider domestic sector, with the right incentives in place, if carbon emissions are to fall as sharply as is required by 2030.
- 4.13 It is anticipated that the Scottish Government will make significant funding available to support the delivery of the EES programme with funding released incrementally over the next 25 years; aligned to the Government's commitment to achieve net zero carbon by 2045. It will be important to work with government to maximise early opportunities to secure enabling funding and support to meet Edinburgh's more ambitious 2030 target.

Current energy efficiency standards for existing Council housing

- 4.14 Almost 70% of social housing in Edinburgh (both Council and housing association homes) has an energy efficiency rating of either EPC B or C; significantly higher than the private rented (51%) and owner occupier sectors (47%). In addition to this, Edinburgh also has the third lowest percentage (23%) in Scotland for social housing households in fuel poverty. A significant reduction of carbon emissions can be achieved by a reduction in energy demand through more ambitious energy efficiency retrofit measures.
- 4.15 One of the core aims of the HRA Budget Strategy 2020/21 is to invest in bringing existing homes up to the standard of new build, with a key focus on improving the energy efficiency of homes to make them easier and cheaper to heat. Since April 2016, over 10,000 measures have been installed to improve energy efficiency in Council homes, which include 4,400 new heating systems; 3,200 homes insulated; and 2,700 new windows and front doors.
- 4.16 It is anticipated that 86% to 90% of homes will meet EESSH 1 by December 2020. Where possible, the remaining homes will be held in temporary exemptions. Work is also underway to understand the implications of meeting the ambitious EESSH 2 standard. Investment to date, coupled with the decarbonisation of the grid, has resulted in a 65% reduction in carbon emissions of Council homes since 2005.
- 4.17 A further 20% reduction in carbon emissions (85% since 2005) could be achieved if all existing homes were retrofitted to the ambitious EESSH 2 (EPC B). This would also help to reduce energy demand, carbon emissions and energy costs; bringing

more residents out of fuel poverty and preventing others from falling into fuel poverty.

- 4.18 Achieving EESSH 2 will be challenging especially for 'hard to treat' buildings; typically, historical or listed buildings. Based on current measures and existing technologies around half of homes can be brought up to EESSH2 standards. New energy efficiency innovation pilots will be trialled to try and ensure EESSH 2 can be fully achieved as far as is practically possible. The 2020/21 Budget Strategy, presented to this Committee, factors in the cost of delivering EESSH 2 and includes a carbon innovation fund starting in 2021 to trial innovative technologies, approaches to retrofit and support carbon offsetting to ensure Council homes will be carbon neutral by 2030. Case studies of innovative retrofit projects are provided in Appendix 3
- 4.19 Along with energy efficiency measures there is a continued commitment to pilot low carbon technologies to achieve further carbon savings and to monitor and evaluate the benefits of certain approaches that have the potential to be rolled out on a much wider basis. Initiatives supporting energy efficiency and behaviour change are also important and can have a significant impact on how people use energy in the home, which can help lower fuel bills, tackle fuel poverty and reduce carbon. A summary of the initiatives underway is included in Appendix One.

Current energy efficiency standards for new build housing

- 4.20 Section 7 of current Scottish Building Standards relates specifically to sustainability, setting out a range of different standards homes can be built to (ranging from Bronze to Platinum). As of 2017 only 3% of homes in Scotland achieved EPC B or better. Within Section 7 'Bronze' standard is the baseline level for sustainability. Optional upper levels, which can include low or zero carbon generating technology, are specified which allow developers to gain recognition for building to higher standards. Planning authorities may also choose to make constructing to a higher level of sustainability a condition of approval or funding.
- 4.21 All Council new build homes are built to a minimum 'Silver Standard Active' level and have a minimum energy efficiency rating of EPC B. The Scottish Government incentivises local authorities and housing associations to build to this high standard by offering additional grant (£4,000 per home) via the Affordable Housing Supply programme.
- 4.22 Sliver Standard achieves 40kWh/m² for houses and 30kWh/m² for flats, between three and four times more energy efficient than homes retrofitted to EESSH 1. For comfort and affordability, silver standard provides benefits to tenants in new homes in terms of energy costs and thermal comfort and includes the use of a low or zero carbon generating technology.
- 4.23 The homes built by the Council up until 2028 will represent an increase of 46% in the total estate. On average these new homes will be 20% larger, representing an increase of +56% in the total floor area, but the impact on increased carbon emissions is only +9%. As such, the carbon impact of the new build housing

programme is minimal. Based on the new build programme incrementally meeting stricter building standards over the course of the ten-year new build programme, it is estimated that the average new build home will produce seven times less carbon than the average existing home.

- 4.24 The piloting of new innovative building design approaches and opportunities for collaborative learning will continue to inform achieving high quality energy efficient homes. A summary of which is set out in Appendix 2.
- 4.25 Opportunities for collaborative learning linked to achieving Passivhaus will be of particular interest. New homes built to the Passivhaus standard help to achieve an ultra-low energy building that requires little energy for space heating or cooling. A number of case studies outlining Passivhaus projects in the UK are detailed in Appendix 3.
- 4.26 A review of the Scottish Building Regulations has commenced to consider the next steps to further enhance the energy performance of buildings and greenhouse gas abatement. The next set of standards and supporting guidance will be introduced in October 2021. Along with these new standards a new version of the national calculation methodology the Standard Assessment Procedure (SAP) will be available before the revised standards and guidance take effect. The revised building standards should provide much clearer guidance for housing developers to achieve higher energy efficiency standards.
- 4.27 Committee is asked to note the significant investment that is being made in Council homes to increase energy efficiency and reduce emissions and to agree that progress with delivering the net zero carbon commitment for Council housing will be reported as part of the HRA business plan process.
- 4.28 Reporting on housing sustainability programmes and initiatives will also be aligned with the Short Window Improvement Plan (SWIP) and form part of the Council's 2030 Sustainability Strategy.

5. Next Steps

- 5.1 Develop a ten-year programme plan outlining how the ambitious EESSH 2 energy retrofit standard will be achieved by 2030 (two years before the rest of the country). This will involve continued collaboration with the Scottish Energy Centre at Edinburgh Napier University to better understand whole house retrofit opportunities and challenges across older housing stock.
- 5.2 Continued collaboration work with both Edinburgh Napier University and Anderson Bell Christie architects to develop and embed an ambitious new build design principle to support the move towards net zero carbon. A detailed report on this proposed new approach will be reported back to this Committee within two cycles.
- 5.3 The HEEPS:ABS 2019-20 programme will be progressed with a target of 1,200 homes and an application for funding for HEEPS:ABS 2020-21 will be submitted to the Scottish Government for consideration, targeting a similar number of homes.

- 5.4 The Decarbonisation Fund project will be commenced early next year with a tenant communications campaign outlining the project and the benefits to tenants.
- 5.5 Further collaboration and partnership working with the Scottish Government will be required to maximise early opportunities to secure enabling funding and support to meet Edinburgh's more ambitious 2030 target.
- 5.6 The Housing Service will seek to maximise learning from work taking place on new low carbon technologies, materials and energy efficiency retrofit methods. This will help to ensure that the right investments are made that can maximise opportunities to reach the highly ambitious EESSH2 standard.
- 5.7 A communications strategy will be developed to target the wider domestic sector with a particular focus on the owner occupier and private rented sectors. This would enable targeted communications to reach householders and private sector landlords advising them of their options in relation to funding available for energy efficiency retrofit or the installation of low carbon technologies. It would also address upcoming legislation that may affect them and signposting to agencies that can offer further support and advice.

6. Financial impact

- 6.1 The Budget Strategy 2020/21, report to this Committee, sets out a draft five year capital investment programme of £190 million (before inflation) to improve the quality of existing homes and estates, with dedicated resources to be made available to upgrading mixed tenure blocks. This also includes c.£12 million towards meeting EESSH 1. The strategy also identifies that an estimated £40 million will be required until 2030 to meet the ambitious EESSH 2 standards. In addition to this, a carbon innovation fund starting in 2021 to trial innovative technologies, approaches to retrofit and support carbon offsetting to ensure Council homes will be carbon neutral by 2030.
- 6.2 The strategy also includes £1.4 billion (before inflation) to develop new affordable homes over the next 10 years, with another £155 million to acquire land for housing development.
- 6.3 As set out in the SHIP 2020/25, there is a funding gap of c.£72 million in order to achieve the 20,000 new affordable homes target. Additional energy efficiency measures, if not backed by further funding from Scottish Government, will only widen this gap or will have to be funded by an increase in tenants' rents.
- 6.4 Over the last two years £6.8 million of funding through the HEEPS:ABS programme has helped approximately 1,800 households. The 2019/20 financial year will see grant funding of £3.6 million targeting approximately 1,200 homes. This funding is extremely important in helping to overcome mixed tenure challenges.
- 6.5 Collaboration with strategic partners is ongoing with a particular focus on joint funding bids for innovation pilots. Other opportunities to maximise funding sources to test new technology pilots, which have the potential to be rolled out on a wider

basis, are prioritised. The recent grant award of £500k in match funding from the Scottish Governments Decarbonisation Fund to trial solar PV and battery storage across 112 properties in Kirkliston is evidence of this.

6.6 For new build housing to meet higher sustainability standards beyond Silver standard it is likely to require significant additional investment. This additional cost is partly due to the limited availability of materials and skilled workforce. As more developers build to higher sustainability standards the supply chain will have greater certainty of demand to be able to make the necessary investments in capacity and industrialised capability. As such over the coming years the cost of constructing to these standards and retrofitting existing homes should become less financially challenging.

7. Stakeholder/Community Impact

- 7.1 The Council's ongoing and planned housing sustainability initiatives will have a positive community impact helping to alleviate fuel poverty, reduce carbon emissions, lower fuel bills and address the challenges of mixed tenure ownership in the city.
- 7.2 Around 26% of the homes in Edinburgh are privately rented and there were over 42,000 registered landlords with approximately 57,000 homes. Traditionally, landlords have been slow to improve the energy efficiency of their homes. The Council will continue to work with partners such as Home Energy Scotland to engage private owners and landlords, promoting advice and information services and to encourage landlords to undertake energy efficiency measures.
- 7.3 There is an extensive programme of consultation and engagement with tenants, including surveys, focus groups, tenant panels, tenant led service inspections and resident and community meetings. There is also a dedicated annual budget consultation exercise designed. Making homes easier and cheaper to heat remains a key priority for tenants. A quarter of tenants said they had difficulties affording to heat their homes. Energy costs and the efficiency of homes is a central concern for tenants and feedback has demonstrated a demand for support and investment to make homes more efficient and easier to heat.
- 7.4 On 27 November 2019, a workshop was held with members of the Housing Homelessness and Fair Work Committee covering the current and planned work of the Housing Service and Economy Service in the context of the wider net zero carbon commitment. Both service areas will continue to engage with elected members as work on sustainability strategy is progressed.

8. Background reading/external references

- 8.1 Scottish House Condition Survey: 2017 Key Findings
- 8.2 Scottish House Condition Survey Local Authority Analysis 2015-2017

- 8.3 UK local authority and regional carbon dioxide emissions national statistics: <u>2005 to</u> <u>2017</u>
- 8.4 Home Energy Efficiency Programmes for Scotland: delivery report 2017-2018
- 8.5 Energy Efficient Scotland: route map
- 8.6 Update on Short Window Improvement Plan, Policy and Sustainability Committee on <u>25 October 2019</u>
- 8.7 HRA Budget Strategy 2019/24, Finance and Resources Committee on <u>1 February</u> 2019
- 8.8 2019/20 HRA Capital Programme, Housing and Economy Committee on <u>21 March</u> 2019
- 8.9 Housing Service Improvement Plan, Housing and Economy Committee on <u>6 June</u> 2019
- 8.10 Mixed Tenure Improvement Strategy Update, Housing and Economy Committee on <u>6 June 2019</u>

9. Appendices

- 9.1 Appendix 1 Summary of existing Council homes sustainability projects.
- 9.2 Appendix 2 Summary of new Council homes sustainability projects
- 9.3 Appendix 3 Case studies of exemplar low carbon new build and existing homes retrofit projects

Project/theme	Detail of project	Time frame
EESSH 1	 It is anticipated that 86% to 90% of Council homes will meet EESSH 1 by December 2020. The remaining 2,000 homes (10%) will be held in temporary exemptions. Around 8% are due to legal or disposal reasons, i.e. homes in listed buildings, or homes due to be demolished or sold. The remaining exemptions are for technical reasons (i.e. hard to treat or prohibitive costs prevent the upgrade to be carried out) or social reasons (i.e. sitting tenants declining or the Council failed to gain agreement with other owners to carry out the upgrade in communal areas). The Council will continue to work with these latter exempted homes to achieve EESSH 1 wherever possible. 	December 2020
The Council's Energy Advice Service	• The Council's Energy Advice Service, delivered by Changeworks, is now in its second year and is on track to help around 1,000 Council tenants a year, delivering a financial saving of approximately £210.00 per tenant.	Date On going
Energy Efficiency Scotland Programme, Area Based Scheme (HEEPS:ABS)	 HEEPS:ABS acts as an enabling fund by providing financial support to home owners in mixed tenure blocks, which allows the Council to raise the energy efficiency standard of its housing. The 2019-20 programme aims to target 1,200 homes (640 owner occupiers and 570 Council homes) in Edinburgh and will leverage in approximately £8.8 million in total funding. 	On going
Scottish Government Decarbonisation Fund	 In November 2019, the Council was successful in receiving £500k match funding from the Scottish Government's Decarbonisation Fund to pilot the installation of solar PV and battery storage in 112 Council homes in Kirkliston. If successful, the pilot could be considered for a more widespread roll out across similarly suitable building types. 	2021

Appendix 1 – Summary of existing Council homes sustainability projects

Appendix 2 - Summary of new Council homes sustainability projects

Project/theme	Detail of project	Time frame
Current New build sustainability standards	 All Council and RSL new build homes are built to a minimum 'Silver Standard Active'. The Scottish Government incentivises local authorities and housing associations to build to silver by offering additional grant (£4,000 per home) via the Affordable Housing Supply programme. Sliver Standard achieves 40kWh/m² for houses and 30kWh/m² for flats, between three and four times more energy efficient than homes retrofitted to EESSH 1. 	On going
Future new build energy standards	 The Housing Service is currently working with the developer CCG on a pilot to achieving gold standard within the Craigmillar Town Centre development. This hopefully will provide a blue print for achieving further gold standard developments. In addition, there are a number of collaborative learning opportunities currently underway which includes building up a relationship with and learning from Exeter City Council, linked to their Passivhaus programme and also a recent visit to see a Passivhaus scheme in Shettleston, Glasgow. The Housing Service is also working closely with colleagues in Corporate Property to learn from the design and delivery process for Passivhaus schools. Work is ongoing with Anderson Bell Christie architects to explore options for embedding more ambitious new build design principles that help support the move towards net zero carbon. 	On going
Transforming UK construction – Edinburgh & South East Scotland Home Demonstrator	• A bid has been submitted to the UK Government Industrial Challenge Fund to support a Demonstrator project. The project brings together public sector partners (City of Edinburgh Council, Scottish Futures Trust, Scottish Government, the Construction Scotland Innovation Centre and Edinburgh Napier University with Off Site Scotland (OSS). OSS	2021

consists of nine member companies active in the offsite sector both as timber manufacturers and house builders. The project would seek to deliver a new, innovative business model that would support use of offsite construction methods to deliver high quality new homes with a focus on whole life performance and low carbon options. The model seeks to transform core housing development, procurement and construction processes; which if successful, presents an e opportunity to positively transform the construction sector and deliver a step change in supply of new homes.

Appendix 3 – Case studies of exemplar low carbon new build and existing homes retrofit projects

Norwich City Council - Passivhaus

Location: Norwich

Innovation: Delivering Passivhaus at scale

Project Summary: The £14.7m Goldsmith Street development consists of nearly 100 houses and flats laid out in traditional terraced streets built to Passivhaus standard. With all homes to be available for social rent. Constructing to this standard averaged £1875 / m², in line with the average for the country. Each home faces south in order to maximise solar gain and exposure to natural daylight. The terraces' asymmetrical pitched roofs have a longer, lower and shallower profile to



the north, letting no house experience overshadowing from the one in front of it and permitting a narrower 14-metre street profile that references the nearby Victorian terraces. The higher upfront costs of Passivhaus, greater insulation and triple-glazing plus increased labour costs to ensure airtightness, have been compensated for by using timber frames. The terraces come in regular, orthogonal blocks to reduce the form factor (surface-to-volume ratio, making them easier to heat), which also makes them cheaper to build. Inside, the habitable rooms have larger south facing windows, and smaller rooms; studies and bathrooms are north facing with small windows to lower heat loss.

Impact: One of the main drivers for building to Passivhaus certification was the issue of fuel poverty and the performance gap. Annual energy bills are estimated to be 70% lower than the average households, with expected fuel bills to be approx. £150 per year.

Nottingham CityHomes - Energiesprong

Location: Nottingham

Innovation: The first Energiesprong UK pilot

Project Summary: The Energiesprong (energy leap) initiative, has radically upgraded the energy efficiency of thousands of homes in the Netherlands is now being piloted in Nottingham. Nottingham CityHomes is the first housing association in the UK to pilot near net zero retrofits using the Energiesprong approach. A number of hard to treat social housing homes in Nottingham will be upgraded utilising a manufacturing solution that includes new outside walls and windows, a solar roof and a state-of-the-art heating

system, all installed in a matter of days. The first 10-home pilot project was delivered by Melius Homes. This pilot, which transformed a mix of terraced houses and bungalows, launched in December 2017. A second pilot will improve a further 17 homes, comprising of 10 bungalows and 7 two-bedroom, three-storey houses and is the first wave of a rollout of Energiesprong to 155 Nottingham homes to 2020.



Costs are high, at £85,000 per property initially but are expected to fall to £62,000 by the end of the programme as the supply chain adapts. The local authority won £5m from the European Regional Development Fund to support this project.

Impact: The aim is to generate as much energy as the homes need – making them almost zero net energy. Tenants in phase one, seen monthly energy bills halve. Works not only improve the homes' energy performance, but also dramatically improve the look and feel of the neighbourhood. The model uses an innovative, whole life approach to finance, with the price of the works, equal to the expected planned maintenance costs and energy savings over a 30-year period.

Exeter Living – Passivhaus

Location: Exeter

Innovation: Multi storey Passivhaus

Project Summary: St Loye's Extra Care Scheme, a new £9.8 million development by Exeter City Council is currently under construction. Extra Care housing provides independent living in self-contained apartments for older people who have a range of care needs, with varying levels of support as and when residents need it. The development



includes lounges, dining rooms with roof terraces, hobby spaces, salon and spa treatment rooms and landscaped gardens. The planned four and five-story residential development has incorporated new design thinking that aligns better with the requirements of elderly life, placing strong focus on community and companionship. The scheme will provide 53 affordable apartments aiming to achieve the Passivhaus standard with the overall objective to reduce energy use and make the homes more affordable for tenants.

Impact: The key objectives for creating this exemplar Extra Care scheme was to incorporate the latest thinking with regards to elderly and dementia care design along with

meeting the rigorous Passivhaus energy standard. The Passivhaus standard allows the development to be designed to create optimal internal conditions and to ensure energy bills are reduced by 80% of those of a standard build; a particularly pertinent issue for vulnerable residents.

Portsmouth – EnerPHit retrofit

Location: Portsmouth

Innovation: Multi storey EnerPHit retrofit

Project Summary: The

Wilmcote House (a 1960's concrete pre-fab construction) energy retrofit project was designed to meet the EnerPHit standard (Passivhaus retrofit standard). The 11-storey building is owned and managed by Portsmouth City Council and the significant energy savings will



address the serious fuel poverty issues previously experienced by the residents in this development many of whom were unable to adequately heat their homes. Ongoing maintenance issues with the building had led Portsmouth City Council to consider demolition; however, given the scale of relocation costs it became clear that refurbishment was the only practical and cost-effective solution with a long-term financial payback (15 years) against standard over-cladding measures. The extent of the £13m contract included insulating the external envelope with cladding and external wall insulation, replacing the roof, installing triple glazed windows, fitting new hot water cylinders, electric showers and mechanical ventilation heat recovery. The retrofit build cost was approximately £920/m2, which is comparable with new-build housing of similar density and quality, providing a strong business case for upgrading existing multi-storey concrete buildings at scale.

Impact: The project will resolve the ongoing maintenance issues with the building and create a new thermal envelope which effectively insulates residents against future energy price rises and significantly extends the lifespan of the building and will result in energy savings of approximately 90%.

Together Housing – Integrated low carbon technology solution

Location: Lancashire and Yorkshire

Innovation: Integrated low carbon and renewable technology

Project Summary: Together Housing one of the largest housing associations in the North of England, managing over 36,000 homes across Yorkshire and Lancashire recently launched an innovative renewable energy pilot which aims to reduce the carbon footprint of their homes, save tenants money on their bills and demonstrate the commercial return of investing in green energy. The £2 million project is jointly funded by European Regional

Development Fund and Together Housing and will see the installation of solar panels on 250 homes. The panels will be complemented by battery storage units, which will enable most of the power generated by the panels to be used in the property during the day and night. Typically, households with solar panels only use a third of the energy generated, with the



surplus going to the National Grid as the energy can only be generated and used during the hours of daylight, often when the house is empty. In return for free installation of the system and free electricity, residents will have a device fitted to their homes which will remotely capture data which can be used to assess the feasibility of the pilot, with the long-term aim of rolling it out to other Together Housing properties across Lancashire and Yorkshire.

Impact: The project is expected to save each household up to £300 a year on their electricity bills and reduce their electricity-based carbon emissions by 70-80%. It is also anticipated that around 20% of the electricity generated will be surplus, which can eventually be sold directly to energy suppliers.