

Project details	
Proposition	Former Stag Brewery
Planning application reference number of application	
Site ID	Residential apartment/inde commercial and community (workspace to include: Retail, financial and professional services, cafeterias/restaurant and dining etc)
Brief description of the project	The former Stag Brewery site is located by Lower Richmond Road to the south, the river Thames and the Thames Link to the east and Bulls Alley (off Markham High Street) to the west. The site is bounded by this Lane. The site currently comprises a mixture of large scale mixed use.
GLA	
Assessment details	
Autistic organisation or individual	Hoare Lea
Project reference number	1700-0023
Operational modelling methodology for Module B6/B7	SAF & TM54 (benchmark data)
Reference study period (if not 60 years)	60 years
Software tool used	OneClick LCA - Carbon assessment, RICS Tool
Type of EPDs and carbon databases used	One Click LCA generic construction materials database, Envirodec, DAP/construction, GBC Espana, and AENOR, BAU-EPD, CENB, DAP Habitat, EPD
Please confirm if 80% of the cost allocated to each building element category has been accounted for in the assessment	Yes
Explanation of the free-party mechanisms which have been adopted to qualify assure the information	Hoare Lea Integrated Management System (IMS) Protocol
Please confirm whether you have submitted the assessment to the Built Environment Carbon Database (https://www.becc.co.uk) or if you give permission for the GLA to do this on your behalf by checking one of the following boxes	I have submitted this assessment to the BECD <input checked="" type="checkbox"/> I give permission for the GLA to submit this assessment to the BECD on my behalf <input checked="" type="checkbox"/>

Key	
	Data automatically calculated - no direct input required
	Cells that require information / data inputting
	N/A

Estimated WLC emissions							
N.B. This forms the WLC baseline for the development. The green cells will automatically populate from the tables below							
	Module A1-A5 (excluding fossilised carbon)	Modules B1-C (excl B6 & B7)	Modules A-C (excluding B6-B7, including fossilised carbon)	Module B1-B5	Module B6-B7	Module C1-C4	Module D
TOTAL kg CO ₂ e	14,705,308 kg CO ₂ e	2,214,893 kg CO ₂ e	16,920,201 kg CO ₂ e	2,120,840 kg CO ₂ e	22,999,071 kg CO ₂ e	94,053 kg CO ₂ e	-3,746,697 kg CO ₂ e
TOTAL kg CO ₂ e/m ² GFA	267.554091	40.295	307.849	38.58375566	418.3994654	1.71126716	-68.16885764
Please select most appropriate benchmark from drop-down menu	Residential						
WLC Benchmark	<-850	<-350	<-1200				
Aspirational WLC Benchmark	<-500	<-300	<-800				
Comparison with WLC benchmarks (see Appendix 2 of the guidance)	Mixed use development, therefore not all areas included within this assessment relate to residential. However this makes up the majority of the site.						

Retention of existing buildings and structures	
Construction that applies to existing buildings and structures have been fully reported before considering standalone demolition	A proportion of the site consists of refurbishment/change of use of existing buildings
Carbon emissions associated with pre-construction demolition (kgCO ₂ e)	27248100
Estimate of the percentage of the new build development which will be made up of existing elements	2% existing buildings refurbished

Summary of key actions to reduce whole life-cycle carbon emissions that have informed this assessment, including the WLC reductions	Actions included in WLC assessment results reported		WLC reduction (kg CO ₂ e/m ² GFA)
	Reductions in total energy consumption due to passive design, LDCs, and heat pumps- Reduction from Baseline	Selection of R45GB over R410A	108

Specify further opportunities to reduce the development's whole life-cycle carbon emissions, including the WLC reduction potential	Further potential opportunities		WLC reduction potential (kg CO ₂ e/m ² GFA)
	Increase Cement replacement percentage from 20% to 50%		50
Reduce specification of durable and robust materials and products to reduce B2-S emissions		50	50

Building element category	Product and Construction Stage (Module A)		Assumptions made with respect to maintenance, repair and replacement cycles (Module B)	Material 'end of life' scenarios (Module C)	Benefits and loads beyond the system boundary (Module D)	
	Material type	Material quantity (kg)			Estimated reusable materials (kg)	Estimated recyclable materials (kg)
	Breakdown of material type in each category (insert more lines if needed) e.g. Concrete e.g. Reinforcement e.g. Framework	60000 kg 5000 kg 350 kg	For all primary building systems (structure, substructure, envelope, MEP services, internal finishes) including assumed maintenance/repair and annual maintenance/repair %	Declare 'end of life' scenario as per project's Circular Economy Statement, and used in the WLC assessment to produce Module C results	0 kg 2 kg 0 kg	25 kg 8 kg 0 kg
0.1 Demolition: Toxic/Hazardous/Contaminated Material Treatment						
0.2 Major Demolition Works						
0.3 Temporary Support to Adjacent Structures						
0.4 Specialist Ground Works						
1 Substructure	Concrete, Steel, Insulation/Tiles	14122580.3	Permanent	Recycling of concrete, ceramic, bricks, stone, ceramic, stone	0 kg	11,206,064 kg
2.1 Superstructure: Frame	Concrete, Steel	6100912.654	60	Recycling of concrete, ceramic, bricks, stone, ceramic, stone Asphalt to replace primary gravel	0 kg	4,880,730 kg
2.2 Superstructure: Upper Floors	Wood, vinyl	24682904.24	60	Recycling of concrete, ceramic, bricks, stone, ceramic, stone Recycling of steel	0 kg	19,656,339 kg
2.3 Superstructure: Roof	Concrete, Steel, Insulation, Tiles	4110109.839	60	Recycling of concrete, ceramic, bricks, stone, ceramic, stone Asphalt to replace primary gravel	0 kg	3,288,088 kg
2.4 Superstructure: Stairs and Ramps	Concrete, Steel	1182003.509	60	Recycling of concrete, ceramic, bricks, stone, ceramic, stone Asphalt to replace primary gravel	0 kg	945,603 kg
2.5 Superstructure: External Walls	brick, Concrete, Insulation, Plasterboard	5439726.702	35-60	Recycling of concrete, ceramic, bricks, stone, ceramic, stone to replace primary gravel Recycling of aluminium, steel	0 kg	4,351,781 kg
2.6 Superstructure: Windows and External Doors	Glazing, wood, aluminium	0	25-45	Recycling of aluminium, steel	0 kg	0 kg
2.7 Superstructure: Internal Walls and Partitions	Wooden stud, plasterboard	1249590.428	40 for plasterboard	Recycling of plaster to replace primary gravel Wood products to being incinerated for energy recovery	0 kg	999,672 kg
2.8 Superstructure: Internal Doors		0	25 for wooden doors	Wood products to being incinerated for energy recovery	0 kg	0 kg
3 Finishes	Paint, Floor coverings, Tiles	1025151.661	15 years for paint	-	0 kg	800,121 kg
4 Fittings, furnishings & equipment (FFE)	Galvanized steel, Copper coated, Co	32915.2708	25-50 years	Recycling of plaster, ceramic, stone to replace primary gravel Recycling of aluminium, steel	0 kg	26,332 kg
5 Services (MEP)		182647.105	15 and other heat emitters 25 years for electrical services, steel, galvanized steel, copper	Recycling of aluminium, steel Recycling of plaster, ceramic, stone, asphalt to replace primary gravel	0 kg	1,461,318 kg
6 Prefabricated Buildings and Building Units		0	-	-	0 kg	0 kg
7 Work to Existing Building		0	-	-	0 kg	0 kg
8 External works	Soil, Concrete	2922841.644	60 years	Recycling of concrete, ceramic, bricks, stone, ceramic, stone, asphalt to replace primary gravel	0 kg	2,338,273 kg

Please add rows where more than 1 material type exists per building element category

Project details	
Project name	Former Ship Brewery
Building location (address, postal code, coordinates)	Residential apartments Public commercial and community facilities to include shops, financial and professional services, entertainment and drinking establishment uses
Use class	<ul style="list-style-type: none"> Offices Community use Residential Hotel / park with rooms Cherms Open School
Brief description of the project	The former Ship Brewery site is bounded to the north by the road 'The Old Terrace' and the Terrace Walk to the north. Wilson Lane to the east and Ship Lane and Montague High Street to the west. The site is bounded by Ship Lane. The site currently comprises a mixture of large scale industrial building structures, large areas of hardstanding and paved areas.
Project ID	01275

City	Date automatically calculated - no direct input required
Cells that require information / data inputting	

Assessment details	
Assessment location (address, postal code, coordinates)	Home Lea
Assessment methodology (reference to standards)	EN15603
Assessment methodology (reference to standards)	DAP & TMSA (benchmark data)
Reference study period (if not 50 years)	50 years
Software tool used	OneClick LCA - Carbon assessment, RICS Tool
Type of EPDs and carbon database used	The OneClick LCA generic construction materials database, Envision, DfP/Construction, GBC Experts, and AENOR, BAU-EPD, CEDMA, DAP Habitat, EPD Denmark, EPD Impact, B2
Please confirm if 95% of the cost allocated to each building element category has been accounted for in the assessment	Yes
Expansion of materials which have been applied to quantify assets the following	Home Lea Integrated Management System (IMS) Protocol
Please confirm whether you have submitted this assessment to the Built Environment Carbon Database (BECDB) (please have been asked) or if you give permission for the GLA to do so on your behalf by providing one of the following options	I have submitted this assessment to the BECD <input checked="" type="checkbox"/> I give permission for the GLA to submit this assessment to the BECD on my behalf <input type="checkbox"/>

Detailed WLC emissions							
N.B. This forms the WLC baseline for the development. The green cells will automatically populate from the tables below							
	Module A1-A2 (excluding acquisition carbon)	Module B1-C (incl B1 & B7)	Module B1-C (incl B1 & B7) including acquisition carbon	Module B1-B5	Module B6-B7	Module C1-C4	Module D
TOTAL kg CO ₂ e	50,823,414 kg CO ₂ e	17,502,895 kg CO ₂ e	68,436,340 kg CO ₂ e	15,236,670 kg CO ₂ e	35,071,362 kg CO ₂ e	2,383,207 kg CO ₂ e	-10,399,675 kg CO ₂ e
TOTAL kg CO ₂ e/m ² GFA	615.064	211.461	826.495	184.080	363.203	27.356	-126.808
Please select most appropriate benchmark from drop-down menu	Residential						
WLC Benchmark	<800	<300	<1200				
Appropriate WLC Benchmark	<800	<300	<800				
Comparison with WLC benchmarks (see Appendix 2 of the guidance)	Mixed use development, therefore not all areas included within this assessment table to residential. However this makes up the majority of the site.						

Retention of existing buildings and structures	
Options for retaining existing buildings and structures (please list all options including retention, demolition, reconstruction)	Approximation of the site consists of refurbishment/change of use of existing buildings
Carbon emissions associated with pre-construction demolition (kgCO ₂ e)	4139750
Climate of the percentage of the new build development which will be made up of existing buildings	2% existing buildings refurbished

Summary of key actions to reduce whole life-cycle carbon emissions that have informed this assessment, including the WLC reductions		WLC reduction (kg CO ₂ e/m ² GFA)
Reductions in total energy consumption due to passive design, LFCs, and heat pumps - Reduction from Baseline		15
Retention of 2% existing buildings		25
Specify further opportunities to reduce the developer's whole life-cycle carbon emissions, including the WLC reduction potential		WLC reduction potential (kg CO ₂ e/m ² GFA)
Increase current replacement percentage from 20% to 50%		25
Optimize specification of durable and robust materials and products to reduce B1-C emissions		25

Building element category	Product and Construction Stage (Module A)		Assumptions made with respect to maintenance, repair and replacement cycles (Module B)	Material 'end of life' scenarios (Module C)	Benefits and loads beyond the system boundary (Module D)		
	Material type	Material quantity (kg)			Estimated reusable materials (kg)	Estimated recyclable materials (kg)	
Notes/remarks	Classification of material type in each category (e.g. Concrete)		For all primary building systems (structure, infrastructure, services, MEP services, external finishes) including assumed material/product lifetimes and annual replacement %	Declare 'end of life' scenarios as per project's Circular Economy Statement, and used in the WLC assessment to produce Module C results			
0.1	Construction - Foundation/Commercial Material Treatment				0 kg	25 kg	
0.2	Steel Reinforcement Bars				2 kg	8 kg	
0.3	Engineering Support to Retain Structures				0 kg	0 kg	
0.4	Reinforced Concrete Slabs				0 kg	0 kg	
1	Structures	Concrete, Steel, Insulation, Tiles	3662769.52	Permanent	Recycling of Concrete, Ceramic, Insulation, Ceramic, Tiles Apply to replace primary gravel	0 kg	28,862,156 kg
2.1	Structures - Frame	Concrete, Steel	1720581.26	60	Recycling of Concrete, Ceramic, Insulation, Ceramic, Tiles Apply to replace primary gravel	0 kg	15,762,465 kg
2.2	Structures - Upper Floors	Wood, vinyl	7655270.99	60	Recycling of Concrete, Ceramic, Insulation, Ceramic, Tiles Apply to replace primary gravel	0 kg	61,241,817 kg
2.3	Structures - Roof	Concrete, Steel, Insulation, Tiles	2676955.963	60	Recycling of Concrete, Ceramic, Insulation, Ceramic, Tiles Apply to replace primary gravel	0 kg	2,141,572 kg
2.4	Structures - Stairs and Partitions	Concrete, Steel	2774647.726	60	Recycling of Concrete, Ceramic, Insulation, Ceramic, Tiles Apply to replace primary gravel	0 kg	2,219,858 kg
2.5	Structures - External Walls	Masonry, Concrete, Insulation, Plasterboard	15664276.11	35-60	Recycling of Concrete, Ceramic, Insulation, Ceramic, Tiles Apply to replace primary gravel	0 kg	12,465,421 kg
2.6	Structures - Windows and External Doors	Cladding, wood, aluminium	1151265.278	25-45	Recycling of aluminium, steel	0 kg	921,092 kg
2.7	Structures - Internal Walls and Partitions	Wooden steel, plasterboard	2207177.37	45 for plasterboard	Recycling of plaster to replace primary gravel Wood products to be incinerated for energy recovery	0 kg	2,295,742 kg
2.8	Structures - Internal Doors	-	-	-	-	0 kg	0 kg
3	Floors	Paint (Floor coverings, Tiles	5387156.815	10 years for paint	-	0 kg	2,628,721 kg
4	Roofs, Roofing & equipment (PVE)	see steel, Galvalume steel, Copper coated, Copper zinc	3026.9824	25-50 years	Recycling of aluminium, steel, Insulation, Ceramic, Tiles Apply to replace primary gravel	0 kg	31,266 kg
5	Services (MEP)	-	56412.862	Wires and other heat sensitive 20 years for electrical	Recycling for aluminium, steel, Insulation, Ceramic, Tiles, Copper coated, Copper zinc coated, Steel, Zinc, Lead	0 kg	4,515,370 kg
6	Water-related Buildings and Building Units	-	-	-	-	-	-
7	Work in Existing Building	-	-	-	-	-	-
8	Control works	Soil, Concrete	6654025.11	60 years	Recycling of concrete Control, Brick, Stone	0 kg	6,323,203 kg
Refrigerants							
	Refrigerant name	Initial Charge(kg)	Annual leakage rate %	Refrigerant GWP (kgCO ₂ e/kg)	End of Life recovery rate %		
9	Refrigerant Type 1 (if applicable - please see CENB TR66 for methodology)						
10	Refrigerant Type 2 (if applicable - please see CENB TR66 for methodology)						
11	Refrigerant Type 3 (if applicable - please see CENB TR66 for methodology)						

Please add rows where more than 1 material type exists per building element category

Please add rows if required

TOTAL	171,152,262 kg	0 kg	136,521,610 kg
Material Intensity (kg/m2 GIA)	2,267 kg/m2 GIA	0 kg/m2 GIA	1,054 kg/m2 GIA

Building element category	Requested (or Negative) carbon (negative value) (kgCO2e)	Product stage (kgCO2e)	Construction process stage (kgCO2e)				Use stage (kgCO2e)				End of Life (EoL) stage (kgCO2e)				TOTAL Material Intensity (kgCO2e/m2 GIA)	Benefits and loads beyond the system boundary (kgCO2e)
			Module A		Module B		Module C		Module D							
			[A1] to [A2]	[A3]	[B1]	[B2]	[B3]	[B4]	[B5]	[B6]	[B7]	[C1]	[C2]	[C3]		
0.1	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e
0.2	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e
0.3	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e
0.4	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e
0.5	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e
1	0 kg CO2e	7,393,785 kg CO2e	257,612 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e
2.1	0 kg CO2e	3,507,954 kg CO2e	126,984 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e
2.2	0 kg CO2e	13,186,428 kg CO2e	507,671 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e
2.3	0 kg CO2e	1,673,286 kg CO2e	16,651 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e
2.4	0 kg CO2e	368,068 kg CO2e	21,356 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e
2.5	0 kg CO2e	5,983,583 kg CO2e	43,246 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e
2.6	0 kg CO2e	1,136,319 kg CO2e	2,395 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e
2.7	0 kg CO2e	2,147,624 kg CO2e	3,088 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e
2.8	0 kg CO2e	1,459,929 kg CO2e	4,711 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e
3	0 kg CO2e	1,885,129 kg CO2e	9,163 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e
4	0 kg CO2e	1,825,229 kg CO2e	2,749 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e
5	0 kg CO2e	6,194,994 kg CO2e	11,918 kg CO2e	0 kg CO2e	3,353,060 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e
6	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e
7	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e
8	0 kg CO2e	425,061 kg CO2e	16,241 kg CO2e	4,060,799 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e
9	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e
TOTAL (kg CO2e)	0 kg CO2e	46,793,720 kg CO2e	1,679,895 kg CO2e	4,660,799 kg CO2e	3,353,060 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e	0 kg CO2e
TOTAL (kg CO2e/m2 GIA)	0 kg CO2e/m2 GIA	623 kg CO2e/m2 GIA	13 kg CO2e/m2 GIA	49 kg CO2e/m2 GIA	46 kg CO2e/m2 GIA	0 kg CO2e/m2 GIA	0 kg CO2e/m2 GIA	0 kg CO2e/m2 GIA	0 kg CO2e/m2 GIA	0 kg CO2e/m2 GIA	0 kg CO2e/m2 GIA	0 kg CO2e/m2 GIA	0 kg CO2e/m2 GIA	0 kg CO2e/m2 GIA	0 kg CO2e/m2 GIA	0 kg CO2e/m2 GIA

Notes: * If you have entered a reference study period in cell C12 because the assumed building life expectancy is greater or less than 60 years, then you will need to fill in this table using a 60 year building life expectancy. If you choose to, you may create a second table below and complete it using the actual assumed life expectancy. This should be clearly labelled.