Greater London Authority - Circular Economy Statement template

How to use this spreadsheet

This template should be used by planning applicants to fulfil the requirements of the Mayor's Circular Economy (CE) Statement policy set out in London Plan Policy SI 7 'Reducing waste and supporting the Circular Economy’. Before completing and submitting this spreadsheet to the GLA, applicants should read the CE statement guidance: https://www.london.gov.uk/what-we-do/planning/implementing-london-plan/london-plan-guidance-and-spgs/circular-economy-statement-guidance-consultation-draft

Applicant are required to submit CE statement information to the GLA at the following three stages: pre-applicaton, outline/detailed planning submission and post-construction. Separate tabs are provided in this spreadsheet for each stage. An outline of the information required at each stage and how to submit it is provided below. Please enter information to the light yellow-coloured cells only, do not enter information in the grey cells as these will be automatically calculated. The light green-coloured cells should be completed to achieve 'pioneering' status.

1. Pre-application stage

At pre-application stage, applicants are required to complete the pre-application information tab of this template which requires applicants to confirm details about the site and to provide details of the circular economy design approaches that are informing the existing and new development (including by building layer for the latter). All tables should be completed. This should be submitted to the GLA along with all other pre-application material.

2. Outline/detailed planning submission stage

At this stage, applicants are required to complete the outline or detailed planning stage tab of this template (whichever is relevant) and submit it to the GLA along with their planning application. Applicants are required to complete all tables, including the Bill of Materials and Recycling and Waste Reporting tables. Please enter information to the light yellow-coloured cells only, do not enter information in the grey cells as these will be automatically calculated. The light green-coloured cells should be completed to achieve 'pioneering' status.

3. Post-construction stage

At the final stage of the CE statement process, applicants should complete the post-construction tab of this template and submit it to the GLA within three months of practical completion. This will require an update of the information provided at planning submission stage and for the actual figures to be reported using actual material quantities during construction. Information should be submitted to: circulareconomystatements@london.gov.uk

Queries

Any queries or feedback on this template should be submitted to:
circulareconomystatements@london.gov.uk

Requirement by application stage (see relevant section of guidance for more information)	Pre-application stage (suggested)
CE targets (see section 4.2)	Encouraged
CE design approaches (see sections 2.3 - 2.5 and 4.3)	Yes
CE design principles (see sections 2.1, 4.4 - 4.5)	Yes
CE design principles by building layer (see sections 4.5)	No
Pre-redevelopment audit (see section 4.6)	Encouraged
Pre-demolition audit (see section 4.6)	Encouraged
Bill of materials (including calculations – see section 4.7)	No
End of life strategy (see section 4.7)	No
Operational waste management plan (see section 4.8)	No
Recycling and waste reporting (see Section 4.9)	No
Lessons learnt and key achievements (see section 4.10)	N/A

[1] Also applicable to the outline and detailed part of hybrid applications.
[2] Also applicable to the outline and detailed part of hybrid applications.

[Outline application[1]]()	[Full application / reserved matters[2]]()	**Post-construction**	**Checklist**	**Information Reference (Please indicate whether thi included in the report to accompany this template submission)**
Yes	Yes	Yes (Performance reported)		Evidence in CES template spreadsheet
Yes	Yes	N/A		Evidence in CES template spreadsheet
No	No	No		Evidence in CES template spreadsheet
Yes	Yes	No		Evidence in CES template spreadsheet
Yes	Yes	N/A		
Yes	Yes	N/A		
Yes (Estimated)	Yes (Estimated)	Yes (Actual)		Evidence in CES template spreadsheet
No	Yes	Encouraged		
No	Yes	Encouraged		
Yes (Estimated)	Yes (Estimated)	Yes (Actual)		Evidence in CES template spreadsheet
N/A	N/A	Yes		Evidence in CES template spreadsheet

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GREATERLO

Circular Economy Design Appr

Circular Economy Design Approach
Is there an existing building on the site
Circular Economy Design Approach
Retain and Retrofit
Partial Retention and Refurbishment
Disassemble and Reuse
Demolish and Recycle
Circular Economy Design Approach
Is the whole building designed to have
Circular Economy Design Approach
Building relocation
Component or material reuse
Adaptability
Flexibility

Replaceability
Disassembly
Longevity

Circular Economy Design Prin

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Designing
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Using systems, elements c

Circular Economy Targets

Circular economy targets for existir
Demolition waste materials (non-ha:
Excavation waste materials

Construction waste materials
Municipal waste
Recycled content

NDON AUTHORITY

Pre-A

Project name
Planning application reference number (if applicable)
Applicant
London Borough
Brief description of the project
Author/s
Date of assessment
Number of Use Types
Use Class / Type
Use Class / Type 1
Overall GIA (m^2)

roaches

les for Existing Structures / Buildings
??
Phase / Building / Area / Layer

les for New Buildings, Infrastructure and Layers Over t

a short life on its current site? (e.g. less than 10 yrs)

Phase / Building / Area / Layer

ciples

Design Principle
)esigning out waste
signing for longevity
for adaptability or flexibility
gning for disassembly
or materials that can be re-used and recycled

ıg and new development
zardous)

pplication Stage - Circular Economy Statement

Project Details
Floor Area by use type (m²)
Use Class / Type 1 GIA
0.00

Applicant Response
Strategic Response
Applicant Response
Strategic Response

Module A - Product Sourcing and Construction Stage
Module B - In-Use Stage
Module C - End-of-Life Stage
Module D - Benefits and Loads Beyond the System Boundary

Policy Requirement
Minimum of 95% diverted from landfill for reuse, recycling or recovery.
Minimum of 95% diverted from landfill for beneficial reuse.

Minimum of 95% diverted from landfill for reuse, recycling or recovery.
Minimum 65% recycling rate by 2030.
Minimum 20% of the building material elements to be comprised of recycled or reused content.

Phase / Building / Area / Layer

Target Aiming For (%)	Policy Met?

Design Response

GREATERLO

Circular Economy Design Appr

Circular Economy Design Approach
Is there an existing building on the site
Circular Economy Design Approach
Retain and Retrofit
Partial Retention and Refurbishment
Disassemble and Reuse
Demolish and Recycle
Circular Economy Design Approach
Is the whole building designed to have
Circular Economy Design Approach
Building relocation
Component or material reuse
Adaptability
Flexibility

Replaceability
Disassembly
Longevity

Circular Economy Design Prin

The Circular Economy Design Pr

1. Is it likely the layer (or components v
2. Is it likely the layer (or components v
The preferred strategy is:
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Bill of Materials

Please click the + symbol to the r

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Recycling and Waste Reportin

The light green-coloured cells should b

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Circular Economy Targets

Circular economy targets for existir
Demolition waste materials (non-ha:
Excavation waste materials
Construction waste materials
Municipal waste
Recycled content
Additional requirements
Reserved Matters Reporting

NDON AUTHORITY

Project name
Planning application reference number (if applicable)
Applicant
London Borough
Brief description of the project
Author/s
Date of assessment
Number of Use Types
Use Class / Type
Use Class / Type 1
Overall GIA (m^2)

roaches

es for Existing Structures / Buildings
?
Phase/Building/Area/Layer

es for New Buildings, Infrastructure and Layers Over t
a short life on its current site? (e.g. less than 10 yrs)
Phase/Building/Area/Layer

ciples by Building Layer

rinciples by Building Layer table should consider w

within it) will need to be moved or otherwise modified withi

within it) will need to be changed, upgraded or replaced wi

Design Principle
esigning out waste
signing for longevity
for adaptability or flexibility
gning for disassembly
r materials that can be re-used and recycled

left hand side of the Bill of Materials table to view c

BUILDING ELEMENT CATEG
Measurement (NRM) classification syste
website/media/products/data-products/bcis-construc

Bu
Demolition: Toxic/Hazardous/Contaminated Material T
Major Demolition Works
Temporary Support to Adjacent Structures
Specialist Ground Works
Substructure

Substructure

Superstructure: Frame

Superstructure: Frame

Superstructure: Upper Floors
Superstructure: Roof
Superstructure: Stairs and Ramps
Superstructure: External Walls
Superstructure: Windows and External Doors
Superstructure: Internal Walls and Partitions
Superstructure: Internal Doors
Finishes
Fittings, furnishings & equipment (FFE)
Services (MEP)
Prefabricated Buildings and Building Units
Work to Existing Building
External works
Overall

g table

ɔe completed to achieve 'pioneering' status.

Type of Waste
Demolition Waste
Excavation Waste
Construction Waste
Demolition / Strip-out Waste
Construction Waste
Municipal Waste
Industrial Waste (if applicable)
Total Materials

ng and new development
zardous)

Outline Application Stage - Circular Economy Stater

Project Details
Floor Area by use type (m²)
Use Class / Type 1 GIA
0.00

Applicant Response
Strategic Response
Applicant Response
Strategic Response

here the Applicant seeks to go beyond standard practice. If there are

n 5-15 years, e.g. due to changing use patterns or user requirements?
thin 5-15 years, e.g. for improved performance, aesthetics
es
Module A - Product Sourcing and Construction Stage
Module B - In-Use Stage
Module C - End-of-Life Stage
Module D - Benefits and Loads Beyond the System Boundary

or hide the input rows for each Building Element Category. The rows fo

GORY - LEVEL 1 (based on the RICS New Rules of m level 2 sub-elements https://www.rics.org/globalassets/rics-ction/bcis-elemental-standard-form-cost-analysis-4th-nrm-edition-2012.pdf)

uilding Element Category

Treatment

Source of Information

Policy Requirement
Minimum of 95% diverted from landfill for reuse, recycling or recovery.
Minimum of 95% diverted from landfill for beneficial reuse.
Minimum of 95% diverted from landfill for reuse, recycling or recovery.
Minimum 65% recycling rate by 2030.
Minimum 20% of the building material elements to be comprised of recycled or reused content.

Policy Requirement
A condition will be attached to an approval of a referable outline planning permission, securing the submission of a CE Statement as a reserved matter. Applications for reserved matters will be required to review and address the information provided at outline stage and update any default values used as far as possible.

nent

multiple phases / buildings / areas with different n

Site
N/A
N/A
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or substructure and frame have been unhidden to

Material Type
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Overall Waste (tonnes)
PRODUCT AND CONSTRUCTION STAGE (MODULE A
USE STAGE (MODULE B)
0
0
Overall Waste (tonnes/annum)
MODULE A - MODULE C
Overall Materials (tonnes)
0

Target Aiming For (%)
Please acknowledge acceptance for a planning cond

measures / strategies, please specify these separ

Substructure

highlight this. A fixed number of rows has been p

Material quantity (Module A) (kg)
0
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TOTAL ESTIMATES OF WASTE
Overall Waste (tonnes/m² GIA)
A)
0.000
0.000
0.000
0.000
0.000
Overall Waste (tonnes/annum /m²)
0.000
-
Overall Materials (Modules A-C) (tonnes /m²)
0.000

Policy Met?
lition

ately within the table below.

Superstructure
All developments should apply the 6 circular

provided for each Building Element Category base

Material intensity (Module A) (kg/m^2 GIA)
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Performance Indicator (Planning Stage Estimate)
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Performance Indicator (LPG Appendix 1)
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Explanation (How will performance against this metr
Please set out an indicative timescale and responsib

Buildin
Shell/Skin
economy principles, including designing for DISASS

ed on a sub-set of typical WLCA submissions. Sh

PRODUCT AND CONSTRU

Performance Indicator (LPG Appendix 1)
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REU
Reuse Onsite (%)
Reuse Onsite (%)
Reuse Onsite (%)

ic be secured through design, implementation and m

ole party for the provision of this information

g Layer

Services
EMBLY and ADAPTABILITY, MATERIAL REUSE ON-SI

ould the number of rows provided not be sufficie

CTION STAGE (MODULE A)

Construction Waste Factor (Module A)
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JSE

Reuse Offsite (%)

Reuse Offsite (%)

Reuse Offsite (%)

onitoring?)

Space
TE and/or RECYCLING should be maximised.

nt to allow input of all materials for a given Buildir

Construction Waste (Module A) (kg)
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WASTE MANAG

RECY

Recycle Onsite (%)

Recycle Onsite (%)

Recycle Onsite (%)

Stuff

ng Element Category, Applicants should prioritise

Recycled Content by mass (kg)
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EMENT ROUTES

YCLE

Recycle Offsite (%)

Recycle Offsite (%)

Recycle Offsite (%)

Construction Stuff
N/A
N/A
-

the inclusion of the materials with the highest qua

Recycled Content by value (%)
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OTHER D
To Landfill (%)
To Landfill (%)
To Landfill (%)

Summary

antity.

Expected Lifespan (years)
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ISPOSAL

To Other Management (%)

To Other Management (%)

To Other Management (%)

Challenges

Number of Replacements (over assumed 60-year period)
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Total Reuse (%)
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Total Reuse (%)
0%
0%
Total Reuse (%)
0%

Actions & Counter-Actions, Who and When

USE STAGE (MODULE B)

Repair and Replacement quantities of materials (Module B) (kg)
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SUMM
Total Recycle (%)
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Total Recycle (%)
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Total Recycle (%)
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Plan to Prove and Quantify

Construction Waste Factor (Module B)
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MARY

Total Reuse and Recycle (%)
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Total Reuse and Recycle (%)
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Total Reuse and Recycle (%)
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Construction Waste (Module B) (kg)	Design for Disassembly
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Total Waste Reported (%)
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Total Waste Reported (%)
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Total Waste Reported (%)
0%

END OF LIFE STAGE (MODULE C)

Assumed End of Life Scenario (Description)	% Reusing	% Recycling
-	0%	0%
-	0%	0%
-	0%	0%
-	0%	0%
-	0%	0%
	0%	0%
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BENEFITS BEYOND THE SYST

% Landfill	Estimated reusable materials (kg)	Estimated reusable materials intensity (kg/m² GIA)
100%	0	0
100%	0	0
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100%	0	0
100%	0	0
100%	0	0
100%	0	0
100%	0	0
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100%	**0**	**0**

TEM BOUNDARY (MODULE D)

Estimated recyclable materials (kg)	Estimated recyclable materials intensity (kg/m^2 GIA)
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GREATERLO

Circular Economy Design App

Circular Economy Design Approach
Is there an existing building on the site
Is it technically feasible to retain the bu
Is it technically feasible to recover the
The preferred strategy is:
The preferred strategy is:

Circular Economy Design Approach
Retain and Retrofit
Partial Retention and Refurbishment
Disassemble and Reuse

Demolish and Recycle
Circular Economy Design Approach
Is the whole building designed to have
Is it foreseeable that the building will n
All developments should apply the 6 C
Circular Economy Design Approach
Building relocation
Component or material reuse
Adaptability
Flexibility
Replaceability
Disassembly
Longevity

Circular Economy Design Prin

The Circular Economy Design Pr

Is it likely the layer (or components wit
Is it likely the layer (or components wit
The preferred strategy is:
D
De
Designing
Desi
Using systems, elements c

Bill of Materials

Please click the + symbol to the

0.1

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Recycling and Waste Reportin

The light green-coloured cells should b

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Circular Economy Targets

Circular economy targets for existir
Demolition waste materials (non-ha
Excavation waste materials
Construction waste materials
Municipal waste
Recycled content
Additional requirements
Post-Construction Report

NDON AUTHORITY

Project name
Planning application reference number (if applicable)
Applicant
London Borough
Brief description of the project
Author/s
Date of assessment
Number of Use Types
Use Class / Type
Residential
Commercial
Overall GIA (m2)

roaches

ıes for Existing Structures / Buildings
??
ıilding(s) in whole or in part?
'residual value' of the buildings elements or materials?

Phase/Building/Area/Layer
N/A
N/A
Earthworks

Entire existing structure

ıes for New Buildings, Infrastructure and Layers Over t

: a short life on its current site? (e.g. less than 10 yrs)

ıeed to change use/function within its design life?

:ircular Economy principles, including:

Phase/Building/Area/Layer
N/A
Site, Space, Skin
Services, Structure
Space, Stuff
Site, Space, Services, Skin
Site, Space, Services, Skin
Entire building

ciples by Building Layer

rinciples by Building Layer table should consider w

:hin it) will need to be moved or otherwise modified within 5
:hin it) will need to be changed, upgraded or replaced withi

Design Principle
Designing out waste
signing for longevity
for adaptability or flexibility
gning for disassembly
or materials that can be re-used and recycled

left hand side of the Bill of Materials table to view c

BUILDING ELEMENT CATEG Measurement (NRM) classification syste website/media/products/data-products/bcis-construc
Bu
Demolition: Toxic/Hazardous/Contaminated Material T

Major Demolition Works
Temporary Support to Adjacent Structures
Specialist Ground Works
Substructure
Substructure
Superstructure: Frame
Superstructure: Frame
Superstructure: Upper Floors
Superstructure: Upper Floors
Superstructure: Roof
Superstructure: Roof
Superstructure: Stairs and Ramps
Superstructure: Stairs and Ramps
Superstructure: External Walls
Superstructure: External Walls
Superstructure: Windows and External Doors
Superstructure: Windows and External Doors
Superstructure: Internal Walls and Partitions
Superstructure: Internal Walls and Partitions
Superstructure: Internal Doors
Superstructure: Internal Doors
Finishes
Finishes

Fittings, furnishings & equipment (FFE)

Fittings, furnishings & equipment (FFE)

Services (MEP)

Services (MEP)

Prefabricated Buildings and Building Units
Work to Existing Building
External works

External works

Overall

g table

be completed to achieve 'pioneering' status.

Type of Waste
Demolition Waste

Excavation Waste
Construction Waste

Demolition / Strip-out Waste
Construction Waste

Municipal Waste
Industrial Waste (if applicable)

Total Materials

ng and new development
zardous)

Detailed Application Stage - Circular Economy State

Project Details
City House
Macar Developments
Sutton
The proposed City House development is a residential-led development in Sutton, South London comprising a split-level single massing building of 5 and 13 storeys with a commercial ground floor. The development is located adjacent to Sutton Baptist Church, a grade II* listed building and sits on the corner of two A-roads, Carshalton Road and Sutton Park Road. There is an existing 4 storey commercial building located on the site as well as a car park.
Alexander Dhesi (Useful Projects)
02/02/2024
2
Floor Area by use type (m2)
6645
255
6900.00

Applicant Response
Yes
No
No
NEW BUILDING
DEMOLISH/DECONSTRUCT AND RECYCLE
Strategic Response
Unviable for the scale of development
Technically unfeasible due to frame design being unable to support additional stories.
Cut/fill with site-won material

Expedition Engineering's pre-demolition audit provides estimated quantities of material arising from the demoltion of City House, with targeted recycling rates.
Applicant Response
No
No
Designing for DISASSEMBLY and ADAPTABILITY, MATERIAL REUSE ON-SITE and/or RECYCLING should be maximised
Strategic Response
Not required
Building in layers approach to consider separation of building elements enabling reuse at end of life. Assesment of possible opportunities to reuse site-won material for (e.g) external works.
Building in layers approach to allow individual elements to be upgraded and replacement independent of each other. Future potential needs and use cases for the building considered during early design phases.
Specification of internal finishes to be carried out in consultations with design teams and future tenants to avoid over-specifiaction and allow flexibility of finish and fit-out.
Building in layers strategy followed to allow replacement of individual elements without damage or disruption to other layers. Strategic focus on the implementation of modular materials and design access to enable replacement.
Prioritisation of modular metals elements with mechanical fixtures for internal partion walls and finishes. Façade specification to be developed further with consideration of end-of-life options.
City House is built to last, and to serve the current and future needs of its inhabitants.

vhere the Applicant seeks to go beyond standard practice. If there are

5-15 years, e.g. due to changing use patterns or user requirements?
n 5-15 years, e.g. for improved performance, aesthetics
es
Module A - Product Sourcing and Construction Stage
Module B - In-Use Stage
Module C - End-of-Life Stage
Module D - Benefits and Loads Beyond the System Boundary

or hide the input rows for each Building Element Category. The rows fo

GORY - LEVEL 1 (based on the RICS New Rules of m level 2 sub-elements https://www.rics.org/globalassets/rics-ction/bcis-elemental-standard-form-cost-analysis-4th-nrm-edition-2012.pdf)
uilding Element Category
Treatment

Source of Information

Expedition Engineering Pre-Demo Audit

Webb Yates Estimate (SWMP)
CE bill of materials appraisal

Expedition Engineering Pre-Demo Audit
CE bill of materials appraisal

Macar Operational waste plan

Policy Requirement
Minimum of 95% diverted from landfill for reuse, recycling or recovery.
Minimum of 95% diverted from landfill for beneficial reuse.
Minimum of 95% diverted from landfill for reuse, recycling or recovery.
Minimum 65% recycling rate by 2030.
Minimum 20% of the building material elements to be comprised of recycled or reused content.

Policy Requirement
A CE Statement is required at post-construction (i.e. upon commencement of RIBA Stage 6 and prior to the building being handed over, if applicable. Generally, it would be expected that the assessment would be received no more than three months post-construction)

ment

multiple phases / buildings / areas with different m

Site
N/A
N/A
-
Re-use of site-won material for levelling
N/A - permanent element
Seek >95% beneficial reuse of excavation waste

Use of paving flags in road buildups to enable future disassembly
Use of paving flags in road buildups to enable future reuse.

or substructure and frame have been unhidden to

Material Type
-

-
-
-
-
Concrete C32/40 (25% GGBS)
Steel Reinforcement (Rebar)
-
Concrete C32/40 (25% GGBS)
Steel Reinforcement (Rebar)
-
Concrete C32/40 (25% GGBS)
Steel Reinforcement (Rebar)
-
Concrete C32/40 (25% GGBS)
Steel Reinforcement (Rebar)
-
Precast Concrete Slab (Hollow Core)
-
Plasterboard
Vapour Control Layer
Cement Particleboard
Breather Membrane
Rockwool Rainscreen
Brick
Precast Concrete Paving Slabs
Greenguard GG3300 Insulation
Geotextile Membrane
Liquid Applied Waterproofing
Metal Stud Framing
-
Double Glazed Windows and Aluminium Frame
-
Plasterboard
Metal Stud Framing
-
Timber (doors)
-
Skim Paint
Rockwool
Separating Layer
Sand/Cement Screed
Kingspan K103 Insulation
Damp-proof Membrane
Metal Furrings for Suspended Ceiling
Plasterboard
Ceramic Tile
Cross Laminted Timber Flooring
Nylon Carpet Tiles

Acrylic Paint
-
Wardrobe
Kitchen cabinet
Porcelain WC
Ceramic washbasin
Shower enclosure
Heated towel rail
-
Lift
Heat interface unit
Air source heat pump
Thermal store
Mechanical ventilation system
-
-
-
Precast Concrete Paving Blocks
Sand Laying Course
Sub-base Aggregate
Geotextile Membrane
Grasscrete
Resin-bound Aggregate Surfacing
Asphalt Binder Course
Loose Pebble Aggregate
Surecell Cellular Reinforcement Structure
Granite Dust
Poured Rubber Surfacing
Wonder Yarn Artificial Grass
ForceField Foam Drainage Pad
Soil

Overall Waste (tonnes)
PRODUCT AND CONSTRUCTION STAGE (MODULE A
1375

404
1,169
USE STAGE (MODULE B)
3,628
216
Overall Waste (tonnes/annum)
169
MODULE A - MODULE C
Overall Materials (tonnes)
27,380

Target Aiming For (%)
95%
95%
95%
65%
20%
Please acknowledge acceptance for a planning condi
It is accepted that the Post Construction Reporting will be

neasures / strategies, please specify these separa

Substructure
No
No
Design for ADAPTABILITY
Specifying low-carbon concrete with cement replacement; use of high recycled conctent rebar
N/A - permanent element
Seek >95% beneficial reuse of crushed concrete and rebar
Durable materials specification (reinforced concrete)
N/A permanent element
Use of high-recycled content rebar which can be recovered at EoL
Use of high-recycled content rebar which can be recovered at EoL

highlight this. A fixed number of rows has been pı

Material quantity (Module A) (kg)
0

0
0
0
11,113,919
10,488,919
625,000
3,133,647
2,941,147
192,500
4,382,246
4,119,746
262,500
500,828
470,828
30,000
70,000
70,000
1,059,071
30,003
548
57,785
548
30,558
835,252
83,660
6,180
222
5,981
8,334
22,934
22,934
136,520
125,297
11,223
15,169
15,169
1,402,374
66,713
20,238
7,052
1,123,251
3,704
1,474
39,371
59,948
27,400
40,528
12,692

2
73,757
53,914
9,610
2,768
2,405
3,700
1,360
12,816
10,068
1,354
177
213
1,004
0
0
444,053
1,238
11,041
270,720
81
18,000
7,753
32,737
1,751
596
12,758
1,872
238
625
84,645
22,367,333

TOTAL ESTIMATES OF WASTE
Overall Waste (tonnes/m^2 GIA)
)
0.199

0.059
0.169
0.526
0.031
Overall Waste (tonnes/annum /m²)
0.024
-
Overall Materials (Modules A-C) (tonnes /m²)
3.968

Policy Met?
Yes
Yes
Yes
Yes
Yes
ition
e conditioned

ately within the table below.

Superstructure
No
No
Design for ADAPTABILITY
All developments should apply the 6 circular
Compact material form to minimise superstructure area
Optimisation of monitoring and repair schedule to avoid unecessary materials use
Seek >95% beneficial reuse of crushed concrete and rebar
Durable materials specification (reinforced concrete)
Separate skin from structural layer to allow upgrade
Design of floor spaces with options for future adaptation
Use of high-recycled content rebar which can be recovered at EoL

rovided for each Building Element Category base

Material intensity (Module A) (kg/m^2 GIA)
0

0
0
0
1,611
1,520
91
454
426
28
635
597
38
73
68
4
10
10
153
4
0
8
0
4
121
12
1
0
1
1
3
3
20
18
2
2
2
203
10
3
1
163
1
0
6
9
4
6
2

0
11
8
1
0
0
1
0
2
1
0
0
0
0
0
0
64
0
2
39
0
3
1
5
0
0
2
0
0
0
12
3,242

Performance Indicator (Planning Stage Estimate)

2nd Quartile

1st Quartile
4th Quartile
-
-
Performance Indicator (LPG Appendix 1)
2nd Quartile
-
-
-

Explanation (How will performance against this metri
See CE statement and pre-demolition audit for breakdow
Emplyment of waste contractor to guarantee 95% benefic
See CE statement for detailed breakdown of site waste c
See Macar operational waste management plan - munici
See CE statement for recycled content by value calculati
Please set out an indicative timescale and responsibl
Macar, 3 months post-construction

Buildin
Shell/Skin
No
Yes
Design for REPLACEABILITY
economy principles, including designing for DISASSI
Compact material form to minimise façade area
Optimisation of monitoring and repair schedule to avoid unecessary materials use
Encourage deconstruction over demoliton at EoL
Durable materials specification (brickwork)
Separate skin from structural layer to allow upgrade
Use of modular SFS systems for internal walls and suspended ceilings
Use of modular SFS systems for internal walls and suspended ceilings

d on a sub-set of typical WLCA submissions. Sho

PRODUCT AND CONSTRU
Performance Indicator (LPG Appendix 1)
-

-
-
-
Building Element Category 1, 4th Quartile
-
-
Building Element Category 2.1, 4th Quartile
-
-
Building Element Category 2.2, 4th Quartile
-
-
Building Element Category 2.3, 4th Quartile
-
-
-
-
Building Element Category 2.5 & 2.6, 3rd Quartile
-
-
-
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-
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-
-
Building Element Category 2.5 & 2.6, 3rd Quartile
-
Building Element Category 2.7 & 2.8, 2nd Quartile
-
-
Building Element Category 2.7 & 2.8, 2nd Quartile
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REU
Reuse Onsite (%)
0%

0%
0%
Reuse Onsite (%)
0%

Reuse Onsite (%)

ic be secured through design, implementation and mo
›n of waste streams and management plans.
cial reuse of excavation waste
›onsiderations, and RGP's site waste management plan.
pal waste provision in line with London Plan has been pro
on - current BOM meets 20% threshold.
le party for the provision of this information

g Layer

Services
No
Yes
Design for REPLACEABILITY
EMBLY and ADAPTABILITY, MATERIAL REUSE ON-SIT
Centralised MEP system reduces material needs
Optimisation of monitoring and repair schedule to avoid unecessary materials use
Soft-strip to remove MEP components at EoL
Design services layout to enable access for repair and replacement without damage or disturbance to surrounding building layers
Design of plant room layout with consideration of future upgrade and repair needs, space, loading and access requirements
Use of paving flags in road buildups to enable future disassembly
Encourage removal and reuse of valuable MEP components at end-of-life

uld the number of rows provided not be sufficient

CTION STAGE (MODULE A)
Construction Waste Factor (Module A)
-

-
-
-
-
5%
5%
-
5%
5%
-
5%
5%
-
5%
5%
-
1%
-
4%
7%
4%
7%
7%
6%
1%
7%
7%
6%
1%
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1%
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4%
1%
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10%
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7%
1%
4%
6%
10%
10%

10%
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4%
4%
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0%
6%
1%
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1%
0%
10%
7%
5%
6%
6%
10%
8%
10%
6%
6%
7%
10%

JSE
Reuse Offsite (%)
0%

95%
0%
Reuse Offsite (%)
0%
Reuse Offsite (%)

nitoring?)
vided.

Space
No
Yes
Design for REPLACEABILITY
TE and/or RECYCLING should be maximised.
Minimal finishes and avoidance of over-specification prior to tenant agreement'
Optimisation of monitoring and repair schedule to avoid unecessary materials use
Soft-strip to remove valuable finishing materials at EoL
Durable, replaceable modular SFS systems.
Use of modular SFS systems for internal walls and suspended ceilings
Use of modular SFS systems for internal walls and suspended ceilings
Use of modular SFS systems for internal walls and suspended ceilings

to allow input of all materials for a given Building

Construction Waste (Module A) (kg)
0

0
0
0
555,696
524,446
31,250
156,682
147,057
9,625
219,112
205,987
13,125
25,041
23,541
1,500
700
700
57,569
1,200
38
2,311
38
2,139
50,115
837
433
16
359
83
229
229
5,124
5,012
112
1,517
1,517
104,559
2,669
1,417
494
89,860
259
103
394
2,398
1,644
4,053
1,269

0
2,555
2,157
384
0
0
0
14
95
0
81
2
2
10
0
0
40,553
12
0
27,072
6
900
465
1,964
175
48
1,276
112
14
44
8,465
1,169,433

WASTE MANAGI
RECY
Recycle Onsite(%)
0%

0%
0%
Recycle Offsite(%)
0%
Recycle Offsite(%)

Stuff
No
Yes
Design for REPLACEABILITY
Minimal finishes and avoidance of over-specification prior to tenant agreement'
Encouraging a culture of sharing and repair within the development
Central WEEE waste collection zone.
Specification of durable appliances and fittings.
Minimal finishes and avoidance of over-specification prior to tenant agreement

Element Category, Applicants should prioritise the

Recycled Content by mass (kg)
-

-
-
-
-
0
606,250
-
0
186,725
-
0
254,625
-
0
29,100
-
3,500
-
10,801
0
0
0
7,640
0
4,183
0
0
0
5,834
-
0
-
45,107
7,856
-
4
-
0
5,059
0
33,698
0
0
5,906
21,581
0
0
2,094

0
-
25,920
4,620
0
0
0
0
-
0
0
0
89
0
-
-
-
0
0
0
0
540
1,551
6,547
0
0
0
0
0
113
0

EMENT ROUTES
YCLE
Recycle Offsite (%)
96%

5%
96%
Recycle Offsite (%)
65%
Recycle Offsite (%)

Construction Stuff
N/A
N/A
-

e inclusion of the materials with the highest quant

Recycled Content by value (%)
-

-
-
-
-
-
-
-
-
-
-
-
-
-

-
-
-
-
-

OTHER D
To Landfill (%)
4%

0%
4%
To Landfill (%)
35%
To Landfill (%)

Summary
Low-carbon concrete specification and minimal internal fi
In-use waste will be minimised primarily by optimising a r
End of life waste reduced by encouraging deconstruction
Longevity will be achieved through the specification of du
Adaptability has been considered by avoiding the over-sp
Modular SFS systems have bene used for all internal wal
Metals have been prioritised in the materials specificatior

ity.

Expected Lifespan (years)
-

-
-
-
-
60
60
-
60
60
-
60
60
-
60
60
-
60
-
30
30
30
30
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30

10
-
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10
10
10
10
-
20
20
15
20
20
-
-
-
20
60
60
60
20
20
60
20
60
60
20
20
60
20

ISPOSAL
To Other Management (%)
0%

0%
0%
To Other Management (%)
0%
To Other Management (%)

Challenges
Minimum material specifications required to meet building
Unforseen maintenance and replacement needs.
Lack of incentives to design for reuse at this stage.
No challenege, the building is designed to last.
Need for columns/walls for structural integrity, may not be
Lack of accepted industry practise on design for disasser
Concrete remains the best option for this type of structure

Number of Replacements (over assumed 60-year period)
-

-
-
-
-
0
0
-
0
0
-
0
0
-
0
0
-
0
-
1
1
1
1
1
1
1
1
1
1
1
-
1
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1
1
-
1
-
5
1
1
1
1
1
2
2
1
1
1

5
-
5
5
5
5
5
5
-
2
2
3
2
2
-
-
-
2
0
0
0
2
2
0
2
0
0
2
2
0
2

Total Reuse (%)
0%

	95%
	0%
	0%
	0%
Total Reuse (%)	
	0%
	0%
Total Reuse (%)	
	0%

Actions & Counter-Actions, Who and When
Design team to further slim down materials palette and s
Operational waste management provision (Macar) throug
Plans for the end-of-life of City House considered from be
N/A
e practical to remove and replace for future needs
mbly
e, and does not have a useful end-of-life application

USE STAGE (MODULE B)
Repair and Replacement quantities of materials (Module B) (kg)
0

0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
1,059,071
30,003
548
57,785
548
30,558
835,252
83,660
6,180
222
5,981
8,334
22,934
22,934
136,520
125,297
11,223
15,169
15,169
1,768,554
333,565
20,238
7,052
1,123,251
3,704
1,474
78,743
119,896
27,400
40,528
12,692

11
368,785
269,570
48,050
13,840
12,025
18,500
6,800
25,809
20,136
2,708
531
426
2,008
0
0
230,992
2,476
0
0
0
36,000
15,506
0
3,502
0
0
3,744
475
0
169,290
3,627,835

SUMM
Total Recycle (%)
96%

5%
96%
0%
0%
Total Recycle (%)
65%
0%
Total Recycle (%)
0%

Plan to Prove and Quantify
As-built BOM to be appraised in further CE statement.
Outcome of operational waste management provision to
Pre-redevelopment audit to be carried out at City House I
Building structural health to be monitored and reported ag
Tenant consultantions regarding needs and future options
End-of-life considerations to be made throughout building
End-of-life considerations to be made throughout building

Construction Waste Factor (Module B)
-

-
-
-
-
5%
5%
-
5%
5%
-
5%
5%
-
5%
5%
-
1%
-
4%
7%
4%
7%
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6%
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10%
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4%
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6%
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-
1%
0%
10%
7%
5%
6%
6%
10%
8%
10%
6%
6%
7%
10%

MARY

Total Reuse and Recycle (%)
96%

100%
96%
0%
0%
Total Reuse and Recycle (%)
65%
0%
Total Reuse and Recycle (%)
0%

be monitored by Macar and appraised in further CE statement

End of Life

gainst

s for adaptation

g lifetime and appraised in pre-redevelopment audit.

g lifetime and appraised in pre-redevelopment audit.

Construction Waste (Module B) (kg)	**Design for Disassembly**
0	-

0	-
0	-
0	-
0	-
0	No
0	Yes
0	-
0	No
0	Yes
0	-
0	No
0	Yes
0	-
0	No
0	Yes
0	-
0	No
57,569	-
1,200	No
38	No
2,311	No
38	No
2,139	No
50,115	No
837	No
433	No
16	No
359	No
83	Yes
229	-
229	No
5,124	-
5,012	No
112	Yes
1,517	-
1,517	No
118,026	-
13,343	No
1,417	No
494	No
89,860	No
259	No
103	No
787	Yes
4,796	No
1,644	No
4,053	No
1,269	No

1	No
12,773	-
10,783	No
1,922	No
0	No
0	No
0	No
68	No
192	-
0	No
162	No
5	No
4	No
20	No
0	-
0	-
20,287	-
25	Yes
0	No
0	No
0	No
1,800	No
930	No
0	No
350	No
0	No
0	No
225	No
29	No
0	No
16,929	No
215,718	

Total Waste Reported (%)
100%

100%
100%
0%
0%
Total Waste Reported (%)
100%
0%
Total Waste Reported (%)
0%

END OF LIFE STAGE (MODULE C)		
Assumed End of Life Scenario (Description)	% Reusing	% Recycling
-	0%	0%

-	0%	0%
-	0%	0%
-	0%	0%
-	0%	6%
te (for sub-base layers),	0%	0%
Steel recycling	0%	100%
-	0%	6%
te (for sub-base layers),	0%	0%
Steel recycling	0%	100%
-	0%	6%
te (for sub-base layers),	0%	0%
Steel recycling	0%	100%
-	0%	6%
te (for sub-base layers),	0%	0%
Steel recycling	0%	100%
-	0%	0%
arated (2 %), concrete to	0%	0%
-	0%	4%
Gypsum recycling	0%	100%
ic-based material inciner	0%	0%
te (for sub-base layers),	0%	0%
ic-based material inciner	0%	0%
ndfilling (for inert materia	0%	0%
shed to aggregate (for su	0%	0%
concrete to aggregate	0%	0%
ic-based material inciner	0%	0%
ic-based material inciner	0%	0%
ic-based material inciner	0%	0%
Steel recycling	0%	100%
-	0%	100%
aining product recycling (	0%	100%
-	0%	8%
Gypsum recycling	0%	0%
Steel recycling	0%	100%
-	0%	0%
ning product incineration	0%	0%
-	0%	6%
ndfilling (for inert materia	0%	0%
ndfilling (for inert materia	0%	0%
ic-based material inciner	0%	0%
Cement/mortar use in a	0%	0%
ic-based material inciner	0%	0%
ic-based material inciner	0%	0%
Steel recycling	0%	0%
Gypsum recycling	0%	100%
shed to aggregate (for su	0%	0%
Wood incineration	0%	0%
ic-based material inciner	0%	0%

ndfilling (for inert materia	0%	0%
-	0%	0%
Wood incineration	0%	0%
l-containing product recy	0%	0%
l-containing product recy	0%	0%
l-containing product recy	0%	0%
l-containing product recy	0%	0%
l-containing product recy	0%	0%
-	0%	0%
l-containing product recy	0%	0%
l-containing product recy	0%	0%
l-containing product recy	0%	0%
l-containing product recy	0%	0%
l-containing product recy	0%	0%
-	0%	0%
-	0%	0%
-	8%	0%
concrete to aggregate	0%	0%
N/A	0%	0%
N/A	0%	0%
ic-based material inciner	0%	0%
concrete to aggregate	0%	0%
›halt reuse via reprocess	100%	0%
›halt reuse via reprocess	100%	0%
N/A	0%	0%
ic-based material inciner	0%	0%
N/A	0%	0%
ic-based material inciner	0%	0%
ic-based material inciner	0%	0%
ic-based material inciner	0%	0%
N/A	0%	0%
	0%	**6%**

	BENEFITS BEYOND THE SYST	
% Landfill	Estimated reusable materials (kg)	Estimated reusable materials intensity (kg/m^2 GIA)
100%	0	0

100%	0	0
100%	0	0
100%	0	0
94%	0	0
100%	0	0
0%	0	0
94%	0	0
100%	0	0
0%	0	0
94%	0	0
100%	0	0
0%	0	0
94%	0	0
100%	0	0
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100%	0	0
96%	0	0
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100%	0	0
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100%	0	0
100%	0	0
100%	0	0
100%	0	0
0%	0	0
0%	0	0
0%	0	0
92%	0	0
100%	0	0
0%	0	0
100%	0	0
100%	0	0
94%	0	0
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100%	0	0
100%	0	0
100%	0	0
100%	0	0
100%	0	0
100%	0	0
100%	0	0
92%	55,995	8
100%	0	0
100%	0	0
100%	0	0
100%	0	0
100%	0	0
0%	23,259	3
0%	32,737	5
100%	0	0
100%	0	0
100%	0	0
100%	0	0
100%	0	0
100%	0	0
100%	0	0
94%	**55,995**	**8**

TEM BOUNDARY (MODULE D)	
Estimated recyclable materials (kg)	Estimated recyclable materials intensity (kg/m^2 GIA)
0	0

0	0
0	0
0	0
625,000	91
0	0
625,000	91
192,500	28
0	0
192,500	28
262,500	38
0	0
262,500	38
30,000	4
0	0
30,000	4
0	0
0	0
76,674	11
60,006	9
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
16,668	2
45,868	7
45,868	7
22,446	3
0	0
22,446	3
0	0
0	0
179,844	26
0	0
0	0
0	0
0	0
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179,844	26
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1,434,832	**208**

GREATERLONDONAUTHO

Project name
Planning application reference number (if applicable)
Applicant
London Borough
Brief description of the project
Author/s
Date of assessment
Number of Use Types
Use Class / Type
Use Class / Type 1
Overall GIA (m2)

Bill of Materials

Please click the + symbol to the left hand side of the Bill of Materials ta

	BUILDING ELEMENT CATEG Measurement (NRM) classification syste website/media/products/data-products/bcis-construc
	Bu
0.1	Demolition: Toxic/Hazardous/Contaminated Material T
0.2	Major Demolition Works
0.3	Temporary Support to Adjacent Structures
0.4	Specialist Ground Works
1	Substructure
1	Substructure

2.1	Superstructure: Frame
2.1	Superstructure: Frame
2.2	Superstructure: Upper Floors
2.3	Superstructure: Roof
2.4	Superstructure: Stairs and Ramps
2.5	Superstructure: External Walls
2.6	Superstructure: Windows and External Doors
2.7	Superstructure: Internal Walls and Partitions
2.8	Superstructure: Internal Doors
3	Finishes
4	Fittings, furnishings & equipment (FFE)
5	Services (MEP)
6	Prefabricated Buildings and Building Units
7	Work to Existing Building
8	External works
	Overall

Recycling and Waste Reporting table

The light green-coloured cells should be completed to achieve 'pioneering' status.

	Type of Waste
1	Demolition Waste
2	Excavation Waste
3	Construction Waste
3	Demolition / Strip-out Waste
4	Construction Waste
5	Municipal Waste
6	Industrial Waste (if applicable)
7	Total Materials

Circular Economy Targets

Circular economy targets for existing and new development
Demolition waste materials (non-hazardous)
Excavation waste materials
Construction waste materials
Municipal waste
Recycled content

Key Achievements and Gap Assessment:

Summary of key actions undertaken to achieve circular economy outcomes, i
Key Achievements
[This list does not need to be exhaustive but should identify the actions with the biggest impacts.]

Lessons Learnt:

Lessons learnt from the process of undertaking a CE Statement that will infor
Description

RITY

Post-Construction Stage - Circular Economy S

Project Details
Floor Area by use type (m2)
Use Class / Type 1 GIA
0.00

ble to view or hide the input rows for each Building Element Category.

GORY - LEVEL 1 (based on the RICS New Rules of m level 2 sub-elements https://www.rics.org/globalassets/rics-tion/bcis-elemental-standard-form-cost-analysis-4th-nrm-edition-2012.pdf)
ilding Element Category
Treatment

Source of Information

Policy Requirement
Minimum of 95% diverted from landfill for reuse, recycling or recovery.
Minimum of 95% diverted from landfill for beneficial reuse.
Minimum of 95% diverted from landfill for reuse, recycling or recovery.
Minimum 65% recycling rate by 2030.
Minimum 20% of the building material elements to be comprised of recycled or reused content.

including achievements and reasons for any differences between targets/per
Measure / Target Proposed at Application Stage (if applicable)

rm future projects
Explanation / Solution / Future Approach
[i.e. Design options or materials that could be used, design principles that could b

tatement

The rows for substructure and frame have been u

Material Type
-
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Overall Waste (tonnes)
PRODUCT AND CONSTRUCTION STAGE (MODULE A
USE STAGE (MODULE B)
0
0
Overall Waste (tonnes/annum)
MODULE A - MODULE C
Overall Materials (tonnes)
0

Target at Application Stage (%)
95%
95%
95%
65%
20%

rformance

e applied.]

unhidden to highlight this. A fixed number of rows

Material quantity (Module A) (kg)
0
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TOTAL ESTIMATES OF WASTE
Overall Waste (tonnes/m² GIA)
))
0.000
0.000
0.000
0.000
0.000
Overall Waste (tonnes/annum /m²)
0.000
0.000
Overall Materials (Modules A-C) (tonnes /m²)
0.000

Rate Achieved (%)

Actions Undertaken / Explanation (How has this been differences between targets/performance?)

has been provided for each Building Element Ca

Material intensity (Module A) (kg/m² GIA)
0
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Performance Indicator (Planning Stage Estimate)
Performance Indicator (Planning Stage Estimate)
Performance Indicator (Planning Stage Estimate)

Policy Met?

n achieved? What are the reasons for any

ategory based on a sub-set of typical WLCA subm

PRODUCT AND CONSTRUC
Performance Indicator (LPG Appendix 1)
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REU
Reuse Onsite (%)
Reuse Onsite (%)
Reuse Onsite (%)

Actions Undertaken / Explanation (How has this beer

issions. Should the number of rows provided not

CTION STAGE (MODULE A)
Construction Waste Factor (Module A)
-
-
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0%
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USE
Reuse Offsite (%)
Reuse Offsite (%)
Reuse Offsite (%)

n achieved? What are the reasons for any differences

be sufficient to allow input of all materials for a gr

Construction Waste (Module A) (kg)
0
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WASTE MANAG
RECY
Recycle Onsite(%)
Recycle Offsite(%)
Recycle Offsite(%)

between targets/performance?)

iven Building Element Category, Applicants shoul

Recycled Content by mass (kg)
-
-
-
-
-

-
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-
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EMENT ROUTES
YCLE
Recycle Offsite (%)
Recycle Offsite (%)
Recycle Offsite (%)

d prioritise the inclusion of the materials with the

Recycled Content by value (%)
-
-
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-
-

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-

OTHER D
To Landfill (%)
To Landfill (%)
To Landfill (%)

highest quantity.

Expected Lifespan (years)
-
-
-
-
-

-
-
-
-
-
-
-
-
-
-
-
-
-
-

ISPOSAL
To Other Management (%)
To Other Management (%)
To Other Management (%)

Number of Replacements (over assumed 60-year period)
-
-
-
-
-
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Total Reuse (%)
0%
0%
0%
0%
0%
Total Reuse (%)
0%
0%
Total Reuse (%)
0%

USE STAGE (MODULE B)
Repair and Replacement quantities of materials (Module B) (kg)
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0
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SUMM
Total Recycle (%)
0%
0%
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0%
0%
Total Recycle (%)
0%
0%
Total Recycle (%)
0%

Construction Waste Factor (Module B)
-
-
-
-
-
0%
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MARY
Total Reuse and Recycle (%)
0%
0%
0%
0%
0%
Total Reuse and Recycle (%)
0%
0%
Total Reuse and Recycle (%)
0%

Construction Waste (Module B) (kg)	Design for Disassembly
0	-
0	-
0	-
0	-
0	-
0	
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Total Waste Reported (%)
0%
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Total Waste Reported (%)
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Total Waste Reported (%)
0%

END OF LIFE STAGE (MODULE C)		
Assumed End of Life Scenario (Description)	% Reusing	% Recycling
-	0%	0%
-	0%	0%
-	0%	0%
-	0%	0%
-	0%	0%
	0%	0%
	0%	0%
	0%	0%
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	0%	**0%**

	BENEFITS BEYOND THE SYS	
% Landfill	Estimated reusable materials (kg)	Estimated reusable materials intensity (kg/m^2 GIA)
100%	0	0
100%	0	0
100%	0	0
100%	0	0
100%	0	0
100%	0	0
100%	0	0
100%	0	0
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100%	0	0
100%	**0**	**0**

TEM BOUNDARY (MODULE D)	
Estimated recyclable materials (kg)	Estimated recyclable materials intensity (kg/m² GIA)
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0	0
0	0
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Greater London Au

Version Control
Current Issue
Date
Author

Update Version
Update Location
Outline Application Stage / Detailed Application Stage (Cell B70)
Outline Application Stage / Detailed Application Stage (Cell B88) Post-Construction Stage (B35)
Outline Application Stage / Detailed Application Stage / Post-Construction Stage (Bill of Mateirals, Column I and P)
Outline Application Stage / Detailed Application Stage (Bill of Materials, Columns K and L)
Outline Application Stage / Detailed Application Stage / Post-Construction Stage (Bill of Materials, Column N)
Outline Application Stage / Detailed Application Stage / Post-Construction Stage (Bill of Materials, Column O)
Outline Application Stage / Detailed Application Stage / Post-Construction Stage (Bill of Materials, Column Q)

Detailed Application Stage (Cells E470, E471 and E477) / Post-Construction Stage (Cell E417, E418 and E424)
Outline Application Stage / Detailed Application Stage (Cell Q455) / Post-Construction Stage (Cell Q402)
Outline Application Stage / Detailed Application Stage (Cell W455, X455, Y455 and Z455) / Post-Construction Stage (Cell W402, X402, Y402 and Z402)
Pre-App Stage / Outline Application Stage / Detailed Application Stage / Post-Construction Stage

ıthority - Circular Economy Statement template

1.1
01/06/2023
Greater London Authority

1.1
Description of changes made to GLA Circular Economy Statement Template
Update to wording to reference the Circular Economy Principles by Building Layer table.
Added wording to clarify the approach should the number of entries exceed the number of rows provided.
Where it is anticipated this figure will come directly from OneClick, eTool LCA or other similar software, the Construction Waste Factor in Columns I and P is now input at a percentage for clarity and consistency.
Cell colour has been amended to show that these are pioneering considerations.
Calculation has been adjusted so that components with an Expected Lifespan of 60-years are not counted as being replaced over the assumed 60-year lifecycle period.
Calculation has been updated to show correct multiplication of Material Quantity by Number of Replacements.
Calculation has been updated to show correct multiplication of Repair and Replacement quantities of materials by Construction Waste Factor.

Calculations in cells updated in line with the calculations in the Outline Application Stage tab.
Calculation has been updated to show correct total for Construction Waste (Module B).
Calculation has been updated to show correct total for Benefits Beyond the System Boundary (Module D).
Accessibility updates across all tabs wherever possible to provide alt text, address low contrast text/backgrounds and merged cells.