APPENDIX 7.2
BENCHMARKS

APPENDIX 7.2 BENCHMARKS

Air Quality Neutral Emissions Benchmarks for Buildings

The following table provides the Building Emissions Benchmarks based on the gross floor area for each type of development class.

Table 7.2.1: 'Air Quality Neutral' Emissions Benchmarks for Buildings (BEBs)

Land Use Class	NO_x (g/m^2/annum)	PM_{10} (g/m^2/annum)
Class A1	22.6	1.29
Class A3 – A5	75.2	4.32
Class A2 and Class B1	30.8	1.77
Class B2 – B7	36.6	2.95
Class B8	23.6	1.90
Class C1	70.9	4.07
Class C2	68.5	5.97
Class C3	26.2	2.28
D1 (a)	43.0	2.47
D1 (b)	75.0	4.30
Class D1 (c - h)	31.0	1.78
Class D2 (a - d)	90.3	5.18
Class D2 (e)	284	16.3

The gross floor area (GFA) is used to define the area.

Air Quality Neutral Emissions Benchmarks for Transport

The following table provides the Transport Emissions Benchmarks based on the gross floor area and the location of the development.

Table 7.2.2: 'Air Quality Neutral' Emissions Benchmarks for Transport (TEBs)

Land Use	CAZ	Inner	Outer
NOx (g/m^2/annum)			
Retail (A1)	169	219	249

Deleted: ES2017 February 2017

Land Use	CAZ	Inner	Outer
Office (B1)	1.27	11.4	68.5
NO$_x$ (g/dwelling/annum)			
Residential (C3)	234	558	1553
PM$_{10}$ (g/m^2/annum)			
Retail (A1)	29.3	39.3	42.9
Office (B1)	0.22	2.05	11.8
PM$_{10}$ (g/dwelling/annum)			
Residential (C3, C4)	40.7	100	267

Deleted: ES2017 February 2017