

| Part L 2021 Performance |                 |
|-------------------------|-----------------|
| Residential             | Non-residential |

## Residential

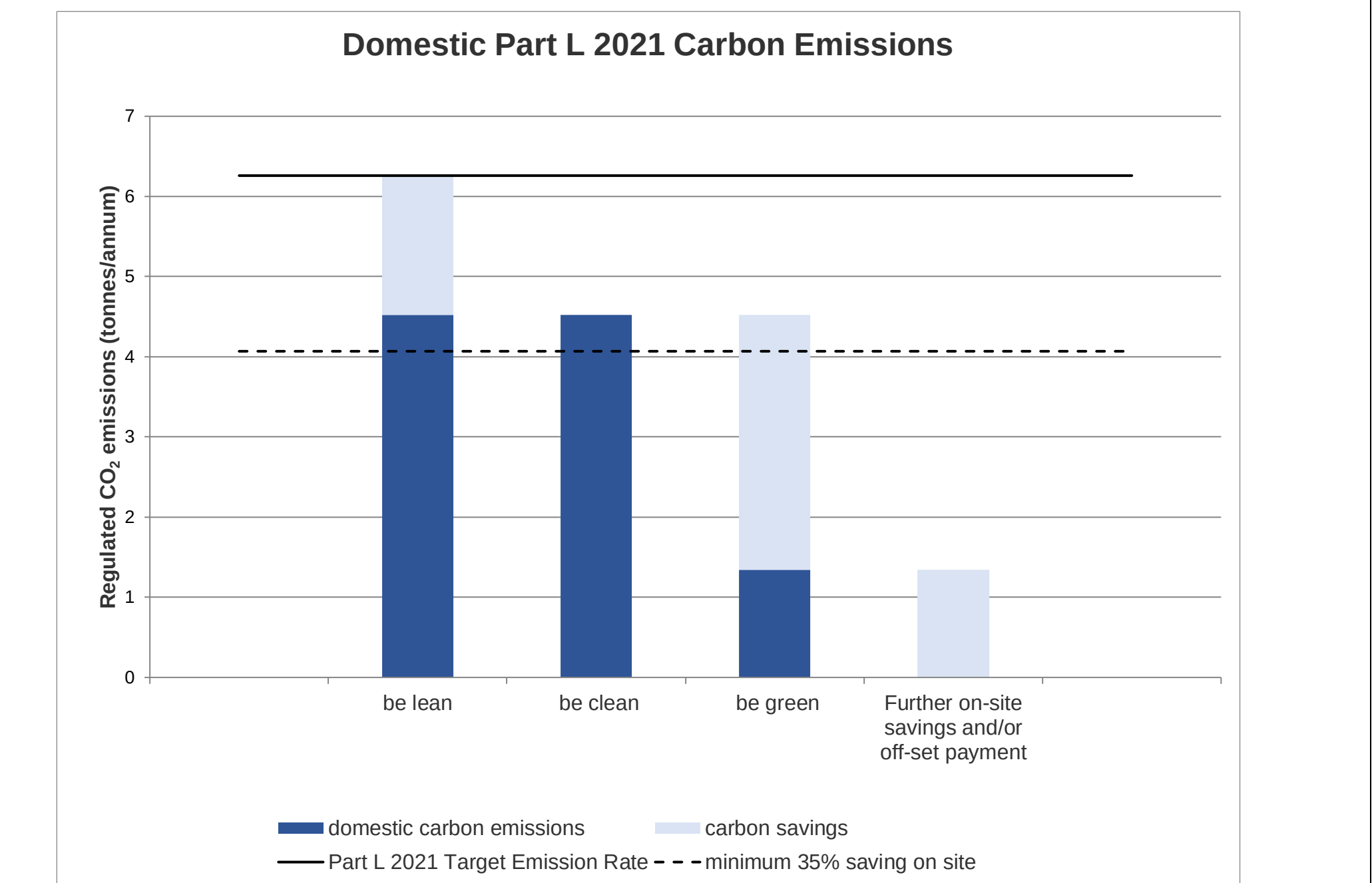
**Table 1:** Carbon Dioxide Emissions after each stage of the Energy Hierarchy for residential buildings

|                                                                         | Carbon Dioxide Emissions for residential buildings<br>(Tonnes CO <sub>2</sub> per annum) |             |
|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------|
|                                                                         | Regulated                                                                                | Unregulated |
| Baseline: Part L 2021 of the Building Regulations Compliant Development | 6.3                                                                                      | 0.8         |
| After energy demand reduction (be lean)                                 | 4.5                                                                                      | 0.8         |
| After heat network connection (be clean)                                | 4.5                                                                                      | 0.8         |
| After renewable energy (be green)                                       | 1.3                                                                                      | 0.8         |

**Table 2:** Regulated Carbon Dioxide savings from each stage of the Energy Hierarchy for residential buildings

|                                               | Regulated residential carbon dioxide savings |            |
|-----------------------------------------------|----------------------------------------------|------------|
|                                               | (Tonnes CO <sub>2</sub> per annum)           | (%)        |
| Be lean: savings from energy demand reduction | 1.7                                          | 28%        |
| Be clean: savings from heat network           | 0.0                                          | 0%         |
| Be green: savings from renewable energy       | 3.2                                          | 51%        |
| <b>Cumulative on site savings</b>             | <b>4.9</b>                                   | <b>79%</b> |
| Annual savings from off-set payment           | 1.3                                          | -          |
|                                               | <b>(Tonnes CO<sub>2</sub>)</b>               |            |
| <b>Cumulative savings for off-set payment</b> | <b>40</b>                                    | -          |
| <b>Cash in-lieu contribution (£)</b>          | <b>3,817</b>                                 |            |

\*carbon price is based on GLA recommended price of £95 per tonne of carbon dioxide unless Local Planning Authority price is inputted in the 'Development Information' tab



| Non-residential |     |
|-----------------|-----|
| 1               | 1   |
| 2               | 2   |
| 3               | 3   |
| 4               | 4   |
| 5               | 5   |
| 6               | 6   |
| 7               | 7   |
| 8               | 8   |
| 9               | 9   |
| 10              | 10  |
| 11              | 11  |
| 12              | 12  |
| 13              | 13  |
| 14              | 14  |
| 15              | 15  |
| 16              | 16  |
| 17              | 17  |
| 18              | 18  |
| 19              | 19  |
| 20              | 20  |
| 21              | 21  |
| 22              | 22  |
| 23              | 23  |
| 24              | 24  |
| 25              | 25  |
| 26              | 26  |
| 27              | 27  |
| 28              | 28  |
| 29              | 29  |
| 30              | 30  |
| 31              | 31  |
| 32              | 32  |
| 33              | 33  |
| 34              | 34  |
| 35              | 35  |
| 36              | 36  |
| 37              | 37  |
| 38              | 38  |
| 39              | 39  |
| 40              | 40  |
| 41              | 41  |
| 42              | 42  |
| 43              | 43  |
| 44              | 44  |
| 45              | 45  |
| 46              | 46  |
| 47              | 47  |
| 48              | 48  |
| 49              | 49  |
| 50              | 50  |
| 51              | 51  |
| 52              | 52  |
| 53              | 53  |
| 54              | 54  |
| 55              | 55  |
| 56              | 56  |
| 57              | 57  |
| 58              | 58  |
| 59              | 59  |
| 60              | 60  |
| 61              | 61  |
| 62              | 62  |
| 63              | 63  |
| 64              | 64  |
| 65              | 65  |
| 66              | 66  |
| 67              | 67  |
| 68              | 68  |
| 69              | 69  |
| 70              | 70  |
| 71              | 71  |
| 72              | 72  |
| 73              | 73  |
| 74              | 74  |
| 75              | 75  |
| 76              | 76  |
| 77              | 77  |
| 78              | 78  |
| 79              | 79  |
| 80              | 80  |
| 81              | 81  |
| 82              | 82  |
| 83              | 83  |
| 84              | 84  |
| 85              | 85  |
| 86              | 86  |
| 87              | 87  |
| 88              | 88  |
| 89              | 89  |
| 90              | 90  |
| 91              | 91  |
| 92              | 92  |
| 93              | 93  |
| 94              | 94  |
| 95              | 95  |
| 96              | 96  |
| 97              | 97  |
| 98              | 98  |
| 99              | 99  |
| 100             | 100 |

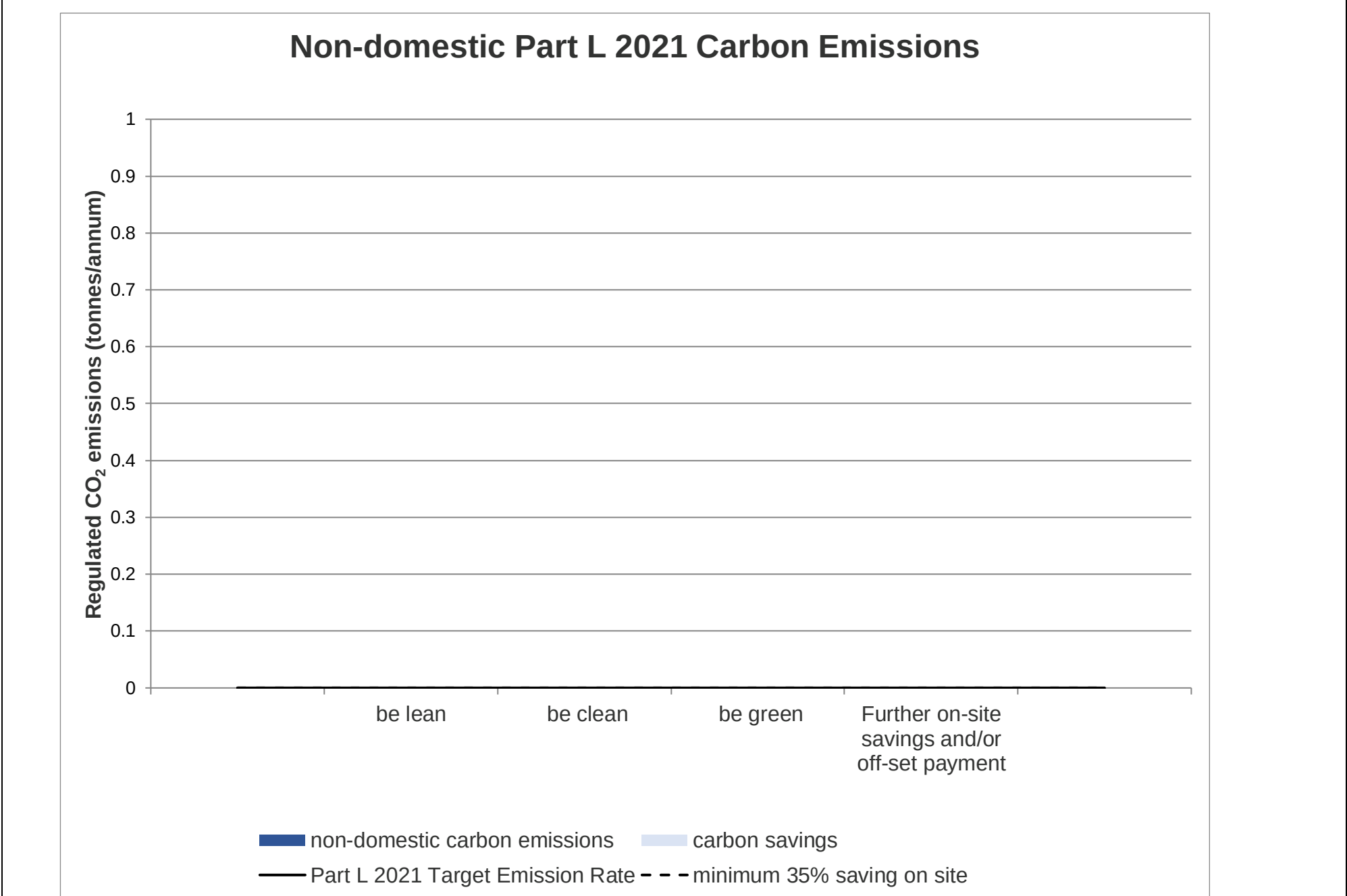
**Table 3:** Carbon Dioxide Emissions after each stage of the Energy Hierarchy for non-residential buildings

|                                                                         | Carbon Dioxide Emissions for non-residential buildings<br>(Tonnes CO <sub>2</sub> per annum) |             |
|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------|
|                                                                         | Regulated                                                                                    | Unregulated |
| Baseline: Part L 2021 of the Building Regulations Compliant Development | 0.0                                                                                          |             |
| After energy demand reduction (be lean)                                 | 0.0                                                                                          |             |
| After heat network connection (be clean)                                | 0.0                                                                                          |             |
| After renewable energy (be green)                                       | 0.0                                                                                          |             |

**Table 4:** Regulated Carbon Dioxide savings from each stage of the Energy Hierarchy for non-residential buildings

|                                               | Regulated non-residential carbon dioxide savings |           |
|-----------------------------------------------|--------------------------------------------------|-----------|
|                                               | (Tonnes CO <sub>2</sub> per annum)               | (%)       |
| Be lean: savings from energy demand reduction | 0.0                                              | 0%        |
| Be clean: savings from heat network           | 0.0                                              | 0%        |
| Be green: savings from renewable energy       | 0.0                                              | 0%        |
| <b>Total Cumulative Savings</b>               | <b>0.0</b>                                       | <b>0%</b> |
| Annual savings from off-set payment           | 0.0                                              | -         |
|                                               | <b>(Tonnes CO<sub>2</sub>)</b>                   |           |
| <b>Cumulative savings for off-set payment</b> | <b>0</b>                                         | <b>-</b>  |
| <b>Cash in-lieu contribution (£)</b>          | <b>0</b>                                         |           |

\*carbon price is based on GLA recommended price of £95 per tonne of carbon dioxide unless Local Planning Authority price is inputted in the 'Development Information' tab



| SITE-WIDE |     |
|-----------|-----|
| 1         | 1   |
| 2         | 2   |
| 3         | 3   |
| 4         | 4   |
| 5         | 5   |
| 6         | 6   |
| 7         | 7   |
| 8         | 8   |
| 9         | 9   |
| 10        | 10  |
| 11        | 11  |
| 12        | 12  |
| 13        | 13  |
| 14        | 14  |
| 15        | 15  |
| 16        | 16  |
| 17        | 17  |
| 18        | 18  |
| 19        | 19  |
| 20        | 20  |
| 21        | 21  |
| 22        | 22  |
| 23        | 23  |
| 24        | 24  |
| 25        | 25  |
| 26        | 26  |
| 27        | 27  |
| 28        | 28  |
| 29        | 29  |
| 30        | 30  |
| 31        | 31  |
| 32        | 32  |
| 33        | 33  |
| 34        | 34  |
| 35        | 35  |
| 36        | 36  |
| 37        | 37  |
| 38        | 38  |
| 39        | 39  |
| 40        | 40  |
| 41        | 41  |
| 42        | 42  |
| 43        | 43  |
| 44        | 44  |
| 45        | 45  |
| 46        | 46  |
| 47        | 47  |
| 48        | 48  |
| 49        | 49  |
| 50        | 50  |
| 51        | 51  |
| 52        | 52  |
| 53        | 53  |
| 54        | 54  |
| 55        | 55  |
| 56        | 56  |
| 57        | 57  |
| 58        | 58  |
| 59        | 59  |
| 60        | 60  |
| 61        | 61  |
| 62        | 62  |
| 63        | 63  |
| 64        | 64  |
| 65        | 65  |
| 66        | 66  |
| 67        | 67  |
| 68        | 68  |
| 69        | 69  |
| 70        | 70  |
| 71        | 71  |
| 72        | 72  |
| 73        | 73  |
| 74        | 74  |
| 75        | 75  |
| 76        | 76  |
| 77        | 77  |
| 78        | 78  |
| 79        | 79  |
| 80        | 80  |
| 81        | 81  |
| 82        | 82  |
| 83        | 83  |
| 84        | 84  |
| 85        | 85  |
| 86        | 86  |
| 87        | 87  |
| 88        | 88  |
| 89        | 89  |
| 90        | 90  |
| 91        | 91  |
| 92        | 92  |
| 93        | 93  |
| 94        | 94  |
| 95        | 95  |
| 96        | 96  |
| 97        | 97  |
| 98        | 98  |
| 99        | 99  |
| 100       | 100 |

|                      | Total regulated emissions<br>(Tonnes CO <sub>2</sub> / year) | CO <sub>2</sub> savings<br>(Tonnes CO <sub>2</sub> / year)   | Percentage savings<br>(%) |
|----------------------|--------------------------------------------------------------|--------------------------------------------------------------|---------------------------|
| Part L 2021 baseline | 6.3                                                          |                                                              |                           |
| Be lean              | 4.5                                                          | 1.7                                                          | 28%                       |
| Be clean             | 4.5                                                          | 0.0                                                          | 0%                        |
| Be green             | 1.3                                                          | 3.2                                                          | 51%                       |
| Total Savings        | -                                                            | 4.9                                                          | 79%                       |
|                      | -                                                            | CO <sub>2</sub> savings off-set<br>(Tonnes CO <sub>2</sub> ) | -                         |
| Off-set              | -                                                            | 40.2                                                         | -                         |

|                   | Target Fabric Energy Efficiency (kWh/m²) | Dwelling Fabric Energy Efficiency (kWh/m²) | Improvement (%) |
|-------------------|------------------------------------------|--------------------------------------------|-----------------|
| Development total | 63.92                                    | 43.97                                      | 31%             |

|          | Area weighted<br>non-residential<br>cooling demand (MJ/m <sup>2</sup> ) | Total<br>non-residential<br>cooling demand<br>(MJ/year) |
|----------|-------------------------------------------------------------------------|---------------------------------------------------------|
| Actual   |                                                                         |                                                         |
| Notional |                                                                         |                                                         |

## EUI &amp; space heating demand (predicted energy use)

## Residential

| Building type | EUI<br>(kWh/m <sup>2</sup> /year)<br>(excluding renewable energy) | Space heating demand<br>(kWh/m <sup>2</sup> /year)<br>(excluding renewable energy) | EUI value from Table 4 of the guidance<br>(kWh/m <sup>2</sup> /year)<br>(excluding renewable energy) | Space heating demand from Table 4 of the guidance(kWh/m <sup>2</sup> /year )<br>(excluding renewable energy) | Methodology used<br>(e.g. 'be seen' methodology or an alternative predictive energy modelling methodology) | Explanatory notes<br>(if expected performance differs from the Table 4 values in the guidance) |
|---------------|-------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Residential   | 53.32334587                                                       | 37.49386874                                                                        | 35                                                                                                   | 15                                                                                                           | Part L1 - SAP 10.2 & none dwellings / & Landlord Circulation                                               |                                                                                                |

**Non-residential**

| Building type | EUI<br>(kWh/m <sup>2</sup> /year)<br>(excluding renewable energy) | Space heating demand<br>(kWh/m <sup>2</sup> /year)<br>(excluding renewable energy) | EUI value from Table<br>4 of the guidance<br>(kWh/m <sup>2</sup> /year)<br>(excluding renewable<br>energy) | Space heating demand<br>from Table 4 of the<br>guidance(kWh/m <sup>2</sup> /year<br>)<br>(excluding renewable<br>energy) | Methodology used<br>(e.g. 'be seen' methodology or<br>an alternative predictive energy<br>modelling methodology) | Explanatory notes<br>(if expected performance differs from the Table 4 values in the<br>guidance) |
|---------------|-------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
|               |                                                                   |                                                                                    |                                                                                                            |                                                                                                                          |                                                                                                                  |                                                                                                   |
|               |                                                                   |                                                                                    |                                                                                                            |                                                                                                                          |                                                                                                                  |                                                                                                   |
|               |                                                                   |                                                                                    |                                                                                                            |                                                                                                                          |                                                                                                                  |                                                                                                   |
|               |                                                                   |                                                                                    |                                                                                                            |                                                                                                                          |                                                                                                                  |                                                                                                   |
|               |                                                                   |                                                                                    |                                                                                                            |                                                                                                                          |                                                                                                                  |                                                                                                   |
|               |                                                                   |                                                                                    |                                                                                                            |                                                                                                                          |                                                                                                                  |                                                                                                   |
|               |                                                                   |                                                                                    |                                                                                                            |                                                                                                                          |                                                                                                                  |                                                                                                   |
|               |                                                                   |                                                                                    |                                                                                                            |                                                                                                                          |                                                                                                                  |                                                                                                   |
|               |                                                                   |                                                                                    |                                                                                                            |                                                                                                                          |                                                                                                                  |                                                                                                   |
|               |                                                                   |                                                                                    |                                                                                                            |                                                                                                                          |                                                                                                                  |                                                                                                   |
|               |                                                                   |                                                                                    |                                                                                                            |                                                                                                                          |                                                                                                                  |                                                                                                   |
|               |                                                                   |                                                                                    |                                                                                                            |                                                                                                                          |                                                                                                                  |                                                                                                   |
|               |                                                                   |                                                                                    |                                                                                                            |                                                                                                                          |                                                                                                                  |                                                                                                   |
|               |                                                                   |                                                                                    |                                                                                                            |                                                                                                                          |                                                                                                                  |                                                                                                   |
|               |                                                                   |                                                                                    |                                                                                                            |                                                                                                                          |                                                                                                                  |                                                                                                   |
|               |                                                                   |                                                                                    |                                                                                                            |                                                                                                                          |                                                                                                                  |                                                                                                   |
|               |                                                                   |                                                                                    |                                                                                                            |                                                                                                                          |                                                                                                                  |                                                                                                   |
|               |                                                                   |                                                                                    |                                                                                                            |                                                                                                                          |                                                                                                                  |                                                                                                   |
|               |                                                                   |                                                                                    |                                                                                                            |                                                                                                                          |                                                                                                                  |                                                                                                   |
|               |                                                                   |                                                                                    |                                                                                                            |                                                                                                                          |                                                                                                                  |                                                                                                   |
|               |                                                                   |                                                                                    |                                                                                                            |                                                                                                                          |                                                                                                                  |                                                                                                   |

|  |
|--|
|  |
|--|