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| Document Control Ref | M-T1-02   |
| Revision             | 01        |
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# Plan

## Carbon Reduction 2022/23

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| Parent document: | Core Policies | Project Filing location: | N/A | Document Owner: | Managing Director |
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**1 DECLARATION AND COMMITMENT**

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance relating to Carbon Reduction Plans. It will outline the measured carbon emissions for the previous year, identify our significant carbon sources and detail the measures that we plan to implement to reduce our emissions approaching 2050.

Our carbon reporting has been completed following the GHG Protocol for corporate carbon emission reporting using BEIS 2020 conversion factors and it is externally certified by Planet Mark. Enable Investment Holdings Ltd. is committed to achieving Net Zero emissions by 2050.

This Carbon Reduction Plan has been reviewed and approved by the Managing Director.

Shane O'Halloran

Managing Director

July 2022

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## 2 SCOPE OF THE CARBON FOOTPRINT

This Carbon Reduction Plan applies to Enable Investment Holdings Ltd. as a whole, including overhead functions and our construction sites.

### 2.1 Reporting and Emission Sources

Our emissions are reported annually via the Planet Mark Certification scheme and publicly published on our website. Our total carbon footprint is summarised in Figure 1 below. We are committed to setting science based GHG reduction targets in future in line with the 2°C climate scenario.



# Total carbon footprint.

## Market *BASED*

**Reporting year:**  
01 April 2021 to 31 March 2022

**Reporting Boundary:**  
Waterloo office, FWRP Resignalling Project and various mobile construction sites

**Emissions measured:**  
Electricity, T&D Losses, Onsite Renewables, Onsite Fuel, Water, Waste, Fleet, Business Travel, Paper, Homeworking (excluded from footprint)

**Highlights:**  
 Carbon footprint (tCO<sub>2</sub>e): **421.9**  
 Per employee (tCO<sub>2</sub>e): **6.1**  
 Next reduction target: **5%**  
 Data quality score: **12 out of 20**

Carbon footprint by emission source for year ending 2022, tCO<sub>2</sub>e

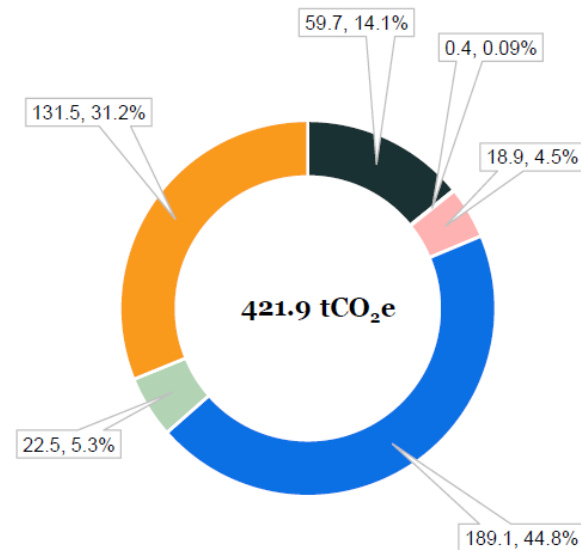


Figure 1. Total Carbon footprint



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**2.2 Calculated emission sources**

Table 1 summarises all emission sources, their relevant scope and their relevant CO2e for years 2021 and 2022. Our carbon emissions between these years demonstrated a reduction of 63.9%. We have also included additional sources of carbon, as noted in Table 1, for non-fleet vehicles specifically; this has also increased our reported emissions.

We are working to improve our data quality noted in Figure 1. Twelve out of twenty lines are specifically for travel expenses and waste management.

**2.3 Compliance with PPN06/21**

With regards to the Scope 3 requirements of PPN06/21 described in the relevant Technical Standard, “Downstream transportation and distribution” is not relevant to our business activities as we are operating in a service industry and our end product is geographically fixed, thus do not have downstream distribution and transportation related emissions.

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Table 1. Emission Sources



| Source                                      | Scope | Unit               | 01 April 2020 - 31 March 2021 |                    | Current<br>01 April 2021 - 31 March 2022 |                    | % Change in tCO <sub>2</sub> e from previous year | % total carbon footprint | % Change in amounts from previous year |
|---|-------|--------------------|-------------------------------|--------------------|--|--------------------|---|--------------------------|--|
|   |       |                    | Amount                        | tCO <sub>2</sub> e | Amount                                   | tCO <sub>2</sub> e |   |                          |  |
| <b>Buildings</b>                            |       |                    |                               |                    |  |                    |   |                          |  |
| Biodiesel                                   | 1     | litres             | 4,000.0                       | 0.7                | -  | -                  | -   | -                        | -                                      |
| Biodiesel ME                                | 1     | litres             | -                             | -                  | 7,813.0                                  | 1.3                | -   | 0.3%                     | -                                      |
| Diesel Fuel                                 | 1     | litres             | -                             | -                  | 2,485.0                                  | 8.2                | -   | 1%                       | -                                      |
| Electricity (location based)                | 2     | kWh                | 109,799.2                     | 25.6               | 26,065.2                                 | 5.5                | -78%  | 1%                       | -78%                                   |
| Electricity (market based)                  | 2     | kWh                | -                             | -                  | 26,065.2                                 | 3.7                | -   | -                        | -                                      |
| Gas Oil                                     | 1     | litres             | 197,475.0                     | 544.6              | 17,358.0                                 | 47.9               | -91%  | 11%                      | -91%                                   |
| HVO   | 1     | litres             | -                             | -                  | 3,950.0                                  | 0.1                | -   | 0.03%                    | -                                      |
| LPG   | 1     | tonnes             | 0.2                           | 0.6                | -  | -                  | -   | -                        | -                                      |
| Transmission and Distribution Losses        | 3     | kWh                | 109,799.2                     | 2.2                | 26,065.2                                 | 0.5                | -78%  | 0.1%                     | -76%                                   |
| <b>Procurement</b>                          |       |                    |                               |                    |  |                    |   |                          |  |
| Paper Primary Content                       | 3     | tonnes             | 1.7                           | 1.6                | 0.4                                      | 0.4                | -77%  | 0.1%                     | -77%                                   |
| <b>Travel</b>                               |       |                    |                               |                    |  |                    |   |                          |  |
| Fleet Diesel Car                            | 1     | km                 | 1,020.8                       | 0.2                | -  | -                  | -   | -                        | -                                      |
| Fleet Diesel Fuel                           | 1     | litres             | 108,826.5                     | 276.6              | 72,441.0                                 | 182.0              | -34%  | 43%                      | -33%                                   |
| Fleet Petrol Car                            | 1     | km                 | 8,159.1                       | 1.0                | -  | -                  | -   | -                        | -                                      |
| Fleet Petrol Fuel                           | 1     | litres             | 4,777.7                       | 10.4               | 3,221.9                                  | 7.1                | -32%  | 2%                       | -33%                                   |
| Air Travel                                  | 3     | passenger km       | 5,690.6                       | 0.7                | 15,679.1                                 | 1.3                | 78%   | 0.3%                     | 176%                                   |
| Diesel Car                                  | 3     | km                 | 30,764.1                      | 5.2                | -  | -                  | -   | -                        | -                                      |
| Diesel Fuel                                 | 3     | litres             | 599.5                         | 1.5                | 65.5                                     | 0.2                | -89%  | 0.04%                    | -89%                                   |
| Hybrid Car                                  | 3     | km                 | 13,955.2                      | 1.6                | -  | -                  | -   | -                        | -                                      |
| Petrol Car                                  | 3     | km                 | 16,787.7                      | 2.9                | 92,354.6                                 | 16.1               | 450%  | 4%                       | 450%                                   |
| Petrol Fuel                                 | 3     | litres             | 81.5                          | 0.2                | 95.8                                     | 0.2                | 19%   | 0.1%                     | 18%                                    |
| Rail Travel                                 | 3     | passenger km       | 17,613.6                      | 0.6                | 26,475.6                                 | 0.9                | 48%   | 0.2%                     | 50%                                    |
| Taxi  | 3     | km                 | 175.9                         | 0.03               | 681.4                                    | 0.1                | 296%  | 0.03%                    | 287%                                   |
| <b>Waste</b>                                |       |                    |                               |                    |  |                    |   |                          |  |
| Composting                                  | 3     | tonnes             | 0.2                           | 0.002              | 0.2                                      | 0.002              | -12%  | 0.01%                    | 0.0%                                   |
| Energy from Waste                           | 3     | tonnes             | 2.4                           | 0.1                | 2.3                                      | 0.04               | -3%   | 0.01%                    | -3%                                    |
| Landfill                                    | 3     | tonnes             | 49.2                          | 3.2                | 607.3                                    | 11.8               | 268%  | 3%                       | 1134%                                  |
| Recycled                                    | 3     | tonnes             | 7,092.4                       | 22.4               | 5,513.0                                  | 10.6               | -53%  | 2%                       | -22%                                   |
| <b>Water</b>                                |       |                    |                               |                    |  |                    |   |                          |  |
| Water Supply                                | 3     | cubic metres       | 258,811.0                     | 89.0               | 312,259.0                                | 46.5               | -48%  | 11%                      | 21%                                    |
| Water Treatment                             | 3     | cubic metres       | 258,811.0                     | 183.1              | 312,259.0                                | 84.9               | -54%  | 20%                      | 21%                                    |
| <b>Location Based</b>                       |       |                    |                               |                    |  |                    |   |                          |  |
| <b>Total</b>                                |       | tCO <sub>2</sub> e |                               | 1,173.9            |  | 423.8              | -64%  |                          |  |
| No. employees                               |       | Number             |                               | 55.0               |  | 69.1               |   |                          |  |
| <b>Total per employee</b>                   |       | tCO <sub>2</sub> e |                               | 21.3               |  | 6.1                | -71%  |                          |  |
| Turnover £m                                 |       | £m                 |                               | 37.9               |  | 32.1               |   |                          |  |
| <b>Total per £m</b>                         |       | tCO <sub>2</sub> e |                               | 31.0               |  | 13.2               | -57%  |                          |  |
| Total floor space                           |       | m <sup>2</sup>     |                               | 348.0              |  | 348.8              |   |                          |  |
| <b>Building emissions per m<sup>2</sup></b> |       | tCO <sub>2</sub> e |                               | 1.6                |  | 0.2                | -89%  |                          |  |
| <b>Market Based</b>                         |       |                    |                               |                    |  |                    |   |                          |  |
| <b>Total</b>                                |       | tCO <sub>2</sub> e |                               | -                  |  | 421.9              | -   |                          |  |
| No. employees                               |       | Number             |                               | 55.0               |  | 69.1               |   |                          |  |
| <b>Total per employee</b>                   |       | tCO <sub>2</sub> e |                               | -                  |  | 6.1                | -   |                          |  |
| Turnover £m                                 |       | £m                 |                               | 37.9               |  | 32.1               |   |                          |  |
| <b>Total per £m</b>                         |       | tCO <sub>2</sub> e |                               | -                  |  | 13.1               | -   |                          |  |
| Total floor space                           |       | m <sup>2</sup>     |                               | 348.0              |  | 348.8              |   |                          |  |
| <b>Building emissions per m<sup>2</sup></b> |       | tCO <sub>2</sub> e |                               | -                  |  | 0.2                | -   |                          |  |

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### 3 BASELINE AND LATEST EMISSIONS FOOTPRINT

Our baseline year was set as 2019/2020. Due to the availability of data, it was not possible to calculate emissions before then with an acceptable level of accuracy. The emissions sources included in our 2020-21 and 2021-2022 calculations are detailed in Table 1 above; this is contextualised in Figure 2 below.



## Total carbon footprint. Yearly *COMPARISON*

| Source Category | 2021           | 2022         |
|-----------------|----------------|--------------|
| Buildings       | 573.6          | 61.6         |
| Paper           | 1.6            | 0.4          |
| Business Travel | 12.8           | 18.9         |
| Fleet Travel    | 288.1          | 189.1        |
| Waste           | 25.7           | 22.5         |
| Water           | 272.1          | 131.5        |
| <b>Total</b>    | <b>1,173.9</b> | <b>423.8</b> |

Carbon footprint by emission source for year ending 2021 and 2022, tCO<sub>2</sub>e

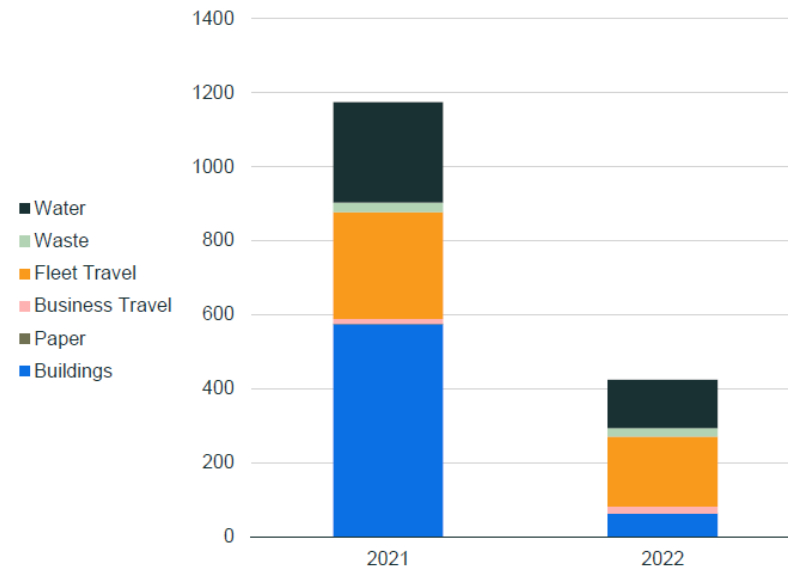


Figure 2 Yearly Carbon Footprint Comparison

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## 4 EMISSIONS TREND AND REDUCTION TARGET

Despite including some additional sources, our emissions have reduced by 63.9% since last year and there was an improvement in our reporting accuracy to better represent our carbon footprint.

We have a minimum 5% reduction target next year, meaning our emissions must be reduced by at least 21.1 tCO<sub>2</sub>e. Our long-term carbon reduction target to achieve net zero by 2050 is shown in Figure 3 below, together with our certification partners overall membership target of 12% annual reduction.

### Target setting.

A Decade of Action: Pathways to Net Zero through varying emissions reduction trajectories

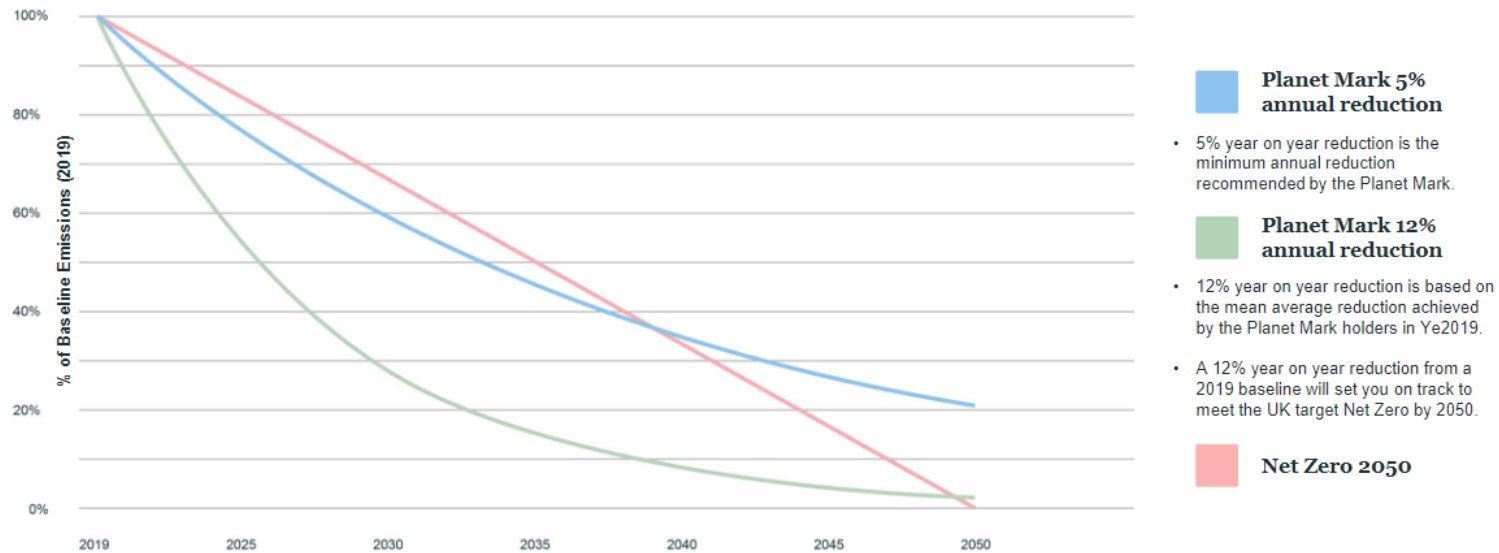


Figure 3 Carbon reduction targets

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## 5 CARBON REDUCTION INITIATIVES

Our key carbon reduction initiatives are highlighted here:

- All future fleet procurement will be electric or hybrid vehicles, where available on the market; employees are incentivised to select low emission vehicles with restrictions on tailpipe emissions.
- Where feasible and not restricted by manufacturer specification and/or warranty, we will replace diesel with Hydrotreated Vegetable Oil (HVO).
- We are introducing requirements with regards to carbon embedded within our supply chain, including both organisational requirements on measurement and reduction and project-specific initiatives.
- We have implemented a Grid Power Policy (sourced from renewable suppliers) requiring all of our construction sites to connect to the mains grid wherever feasible, reducing the need for on-site energy production and use of fossil fuels. Where it is not technically feasible to connect to the electricity grid, we will use 100% ‘solar pods’ or low-emission hybrid generators.
- In support of the above, we are aiming to use 100% electric-powered tools and equipment in place of traditional petrol-driven options.
- We commit to providing safe and fuel-efficient driver training.
- We are encouraging and incentivising the use of public transport for employee travel and implement a working from home policy which provides most office staff to work from home for a minimum of two days a week if desired.
- We are working to reduce our on-site water consumption, which is required for activities such as dust suppression, by implementing such solutions as temporary road and site surfacing solutions, in addition to ensuring that the welfare facilities we provide have water efficiency measures in place.

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