

Meeting the reporting requirements

This Carbon Reduction Plan complies with PPN 06/21, as published by the Cabinet Office in June 2021. This document will be reviewed and updated annually in accordance with industry standards and regulatory requirements.

Baseline Carbon Emissions

Baseline Year: 6 th February 2024 – 6 th August 2024	
Additional Details relating to the Baseline Emissions calculations.	
<p>Midland Counties Heating Services is a private limited SME company. We are therefore not obligated to report our emissions under the Streamlined Energy and Carbon Reporting (SECR) regulations. As we have not previously reported emissions, we will be using the current reporting year (2023-24) as our baseline moving forward.</p> <p>Our total emissions for the reporting year 2023-24 are 62,998.06kg CO₂e.</p> <p>To provide a comprehensive view of our organisation's emissions, we are reporting our emissions data associated with our office situated at Rees House, Unit 27 Parker Industrial Estate, Mansfield Road, Derby, DE21 4SZ.</p> <p>In our baseline year, our organisation operated with 22 Full-Time Equivalent (FTE) employees. As our business grows and we expand our workforce, we anticipate a proportional increase in our emissions. This potential rise in emissions is accounted for in our Carbon Reduction Plan, and we aim to offset any increase accordingly as we scale.</p>	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	<p>We operate a fleet of 11 diesel vans, which collectively covered an estimated distance of 64,511 miles between February 6, 2024, and August 6, 2024.</p> <p>As we don't have access to fuel records for a full year, we have doubled the emissions calculated for the six-month period to provide a more accurate estimate of our annual emissions.</p> <p>Our emissions for the six-month period are 21656.06.</p> <p>When doubled, our total estimated emissions for Scope 1 are 43,312.13</p>
Scope 2	<p>Our Scope 2 data consists of electricity and gas purchased across our office.</p> <p>Our electricity is purchased on a fixed business plan tariff with an estimated annual usage of 12564.0 kWh.</p> <p>Our gas is purchased on a flexible business tariff with an estimated annual usage of 13553.0 kWh.</p>

	<table border="1"> <thead> <tr> <th>Energy</th> <th>kg CO₂e</th> </tr> </thead> <tbody> <tr> <td>Electricity</td> <td>2601.68</td> </tr> <tr> <td>Gas</td> <td>2746.81</td> </tr> <tr> <td>Total</td> <td>5,348.49</td> </tr> </tbody> </table>	Energy	kg CO ₂ e	Electricity	2601.68	Gas	2746.81	Total	5,348.49								
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Scope 3 (Included Sources)	<p>Over 50% of our Scope 3 emissions originate from waste, with the majority coming from commercial and industrial sources, including some recycled materials.</p> <p>The remaining Scope 3 emissions are primarily employee commuting and water supply and treatment.</p> <table border="1"> <thead> <tr> <th>Category</th> <th>kg CO₂e</th> </tr> </thead> <tbody> <tr> <td>Employee commuting – car (medium petrol)</td> <td>1888.79</td> </tr> <tr> <td>Employee commuting – car (medium diesel)</td> <td>2392.36</td> </tr> <tr> <td>Waste – commercial and industrial</td> <td>9782.29</td> </tr> <tr> <td>Waste – recycled materials</td> <td>250.53</td> </tr> <tr> <td>Water supply</td> <td>10.98</td> </tr> <tr> <td>Water treatment</td> <td>12.49</td> </tr> <tr> <td>Total</td> <td>14,337.45</td> </tr> </tbody> </table>	Category	kg CO ₂ e	Employee commuting – car (medium petrol)	1888.79	Employee commuting – car (medium diesel)	2392.36	Waste – commercial and industrial	9782.29	Waste – recycled materials	250.53	Water supply	10.98	Water treatment	12.49	Total	14,337.45
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Emission reduction targets

To continue our progress toward achieving Net Zero by 2045, we have adopted the following carbon reduction targets:

- Next 10 years to 2034: Target of 50% Carbon reduction to 31499kg CO₂e
- Period to 2040: Target of 75% Carbon reduction to 15749kg CO₂e
- Period to 2045: Target of 100% Carbon reduction to Net Zero

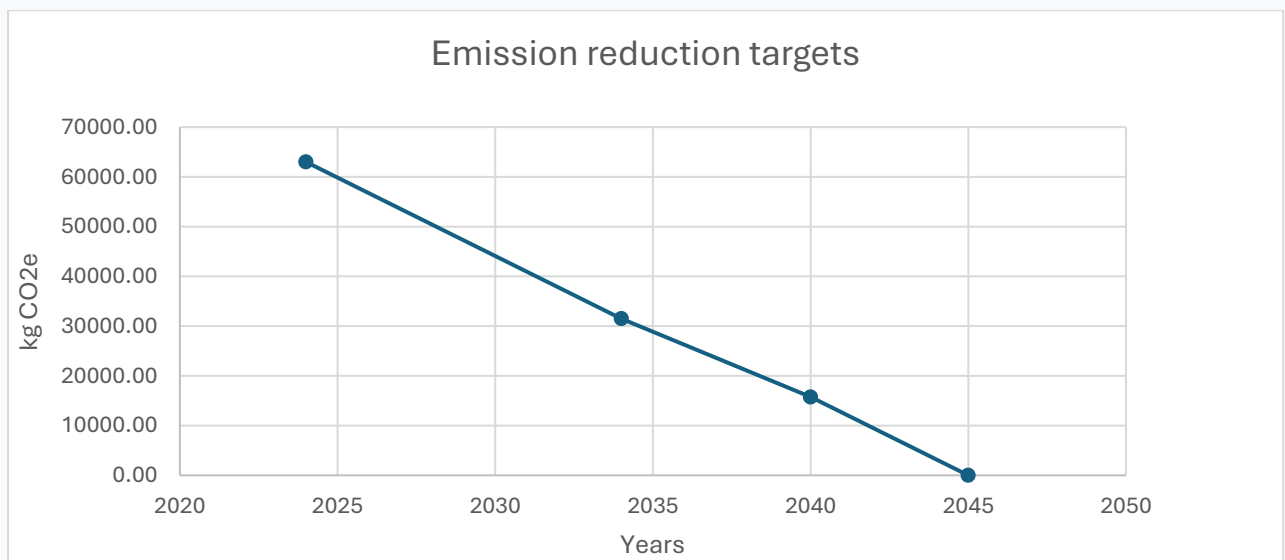


Figure 1: Our carbon reduction targets by year

As illustrated in Figure 1, our targets project a significant initial reduction. This ambitious approach is deliberate, recognising the urgent need to reduce carbon emissions.

Carbon reduction projects

The carbon reduction opportunities outlined in this section, once fully implemented, will reduce our GHG emissions annually, aligning with our goal of achieving Net Zero emissions by 2045.

We also aim to improve our data tracking and monitoring processes to improve the quality and accuracy of the carbon related data in future years.

Scope 1 actions

- Gradually replace diesel vans with electric or hybrid alternatives, starting with our highest emission vehicles to maximise impact
- Improve our current systems to provide optimised route planning, reducing distance travelled and fuel usage
- Install telematics to monitor driving behaviour (harsh braking, rapid acceleration) and provide training to improve fuel efficiency
- Offset any residual CO₂ emissions through the purchase of equivalent carbon emissions credits from an International Carbon Reduction & Offset Alliance (ICROA) provider

Scope 2 actions

- Transition to 100% renewable energy through our electricity supplier and by investing in solar power for our sites
- Invest in an energy management system to monitor and optimise energy use
- Introduce power management policies for hardware such as laptops, PCs, printers
- Offset any residual CO₂ emissions through the purchase of equivalent carbon emissions credits from an International Carbon Reduction & Offset Alliance (ICROA) provider

Scope 3 actions

Business travel (including employee commuting)

- Recruit within the local area to reduce travel needs – for each contract/Framework we plan to recruit within a 40-mile radius of the client site
- We will interrogate our data from travel to better understand if and where carbon reductions can be made
- Continue to encourage the use of walking or public transport, particularly trains
- Encourage car sharing
- Continue to support and encourage hybrid/homeworking
- Encourage the continued use of virtual meeting platforms where possible
- Promote cycling to work by providing information and participating in cycle-to-work schemes

Waste management and reduction

- Work towards a paperless office

- Work with our waste management provider to ensure we prioritise sustainable practices
- Complete waste audits to maximise recycling and minimise waste production
- For non-recyclable waste we will establish relationships with local energy recovery facilities such as Veolia.

Water use

- Install water-saving fixtures and appliances in all office facilities
- Promote water conservation awareness among employees through regular communication and training
- Regularly monitor and report on water usage to identify areas for improvement

Declaration and sign-off


This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standards for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard and use the appropriate government emission conversion factors for GHG company reporting.

Scope 1 and Scope 2 emissions have been reported in accordance with Streamlined Energy and Carbon Reporting (SECR) requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard.

This Carbon Reduction Plan has been reviewed and signed off by the Board of Directors.

Signed on behalf of Midland Counties Heating Services Limited:


Signature:
Name: Brendan Cockerham
Position: Director
Date: 28/08/2024