

Thompsons of Prudhoe Limited

Company Registration No.: 01181171

Thompsons of Prudhoe, Princess Way, Low Prudhoe, Northumberland, NE42 6PL.

Telephone: +44 (0)1661 832 422

Email: info@thompsonsofprudhoe.com

Company Website: <https://thompsonsofprudhoe.com/>

THOMPSONS
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Carbon Reduction Plan

Supplier Name: Thompsons of Prudhoe

Publication Date: November 2023

Commitment to achieving Net Zero

Thompsons of Prudhoe is committed to working hard to reduce operational emissions over the coming years to achieve Net Zero by 2050. This is in line with the targets set by the UK Government within the Climate Change Act 2008 (2050 Target Amendment, Order 2019).

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases (GHG) that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured. Thompsons of Prudhoe's financial year runs from 1st April to 31st March. The baseline for future GHG reporting is based on annual data for 2021/22.

Emissions are categorised by the GHG Protocol into three Scopes. The baseline year considers Scope 1 (Direct), Scope 2 (Indirect) and a limited number of Scope 3 (Indirect) emissions associated with company operations which are under direct financial control and occur during the stated reporting period. The emission sources included in the baseline are summarised as:

Scope 1 (Direct):

- *Stationary combustion - diesel for onsite power generation and other stationary equipment, fuel consumption in the biomass boiler; and*
- *Mobile combustion - Fleet Fuel, Plant Machinery, On-Site Vehicle Movement, Haulage Operations.*

Scope 2 (Indirect)

- *Purchased Grid Electricity used in On-Site Operations.*

Scope 3 (Indirect)

- *Fuel Use for Business Travel;*
- *Well-To-Tank (Fuels);*
- *Well-To-Tank (Bioenergy);*
- *Transmission & Distribution (Electricity Network)*

Scope 3 emissions are optional to include under the GHG Protocol. These are reported in the SECR Disclosure where data is available and in accordance with best practice. It currently does not include all of the subset of five Scope 3 categories as required by Procurement Policy Note (PPN) 06/21.

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Thompsons of Prudhoe had 10 key operational sites in the baseline year 2021/22, with three temporary demolition and earthworks sites. An economic intensity ratio (EIR) has been selected and progress is monitored by a decreasing EIR trend. An emissions intensity ratio of 213 tCO₂e per pound (£) of revenue generated has been calculated for the baseline year.

Baseline Year: 1st April 2020 – 31st March 2021	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	11,314
Scope 2	210
Scope 3 (<i>Included Sources</i>)	3,353
Total Emissions	14,876
Ratio Indicators for Emission Intensity: Baseline Year	
tCO ₂ e/£ (Revenue Generated)	213
tCO ₂ e/FTE (Staff Full Time Equivalent)	45

Current Emissions Reporting

Since the baseline year Thompsons of Prudhoe have been making operational efficiencies in the journey to net zero. Emission reductions associated with these activities are yet to be quantified and are not currently reflected in the annual carbon figures reported.

Thompsons of Prudhoe had a total of 137 key operational sites in the current reporting year 2022/23, with 131 temporary demolition and earthworks sites. This is a significant increase on the baseline year. Ratio indicators suggest business operations have become more emissions intensive during this reporting year, with 260 tCO₂e per £ revenue generated compared to 213 tCO₂e per £ revenue generated in the baseline year. This is attributed to an increase in diesel consumption required to complete demolition and earthworks activities at the temporary sites during this reporting year. Emissions per capita have also increased from 45 tCO₂e/FTE to 55 tCO₂e/FTE.

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Reporting Year: 1st April 2022 – 31st March 2023	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	14,123
Scope 2	156
Scope 3 (Included Sources)	3,929
Total Emissions	18,208
Ratio Indicators for Emission Intensity: Reporting Year	
tCO ₂ e/£ (Revenue Generated)	260
tCO ₂ e/FTE (Staff Full Time Equivalent)	55

Emissions Reduction Targets

Detailed findings for the carbon footprint are reported in the separate Energy and Carbon Reports for compliance with the SECR Disclosure for the relevant financial years. These annual reports demonstrate Thompsons of Prudhoe's commitment to ongoing emissions reduction.

In order to continue to progress to achieving Net Zero, Thompsons of Prudhoe are currently in the process of developing realistic carbon reduction targets to adopt.

Based on a linear trajectory, projected carbon reduction targets can be seen in the graph below:

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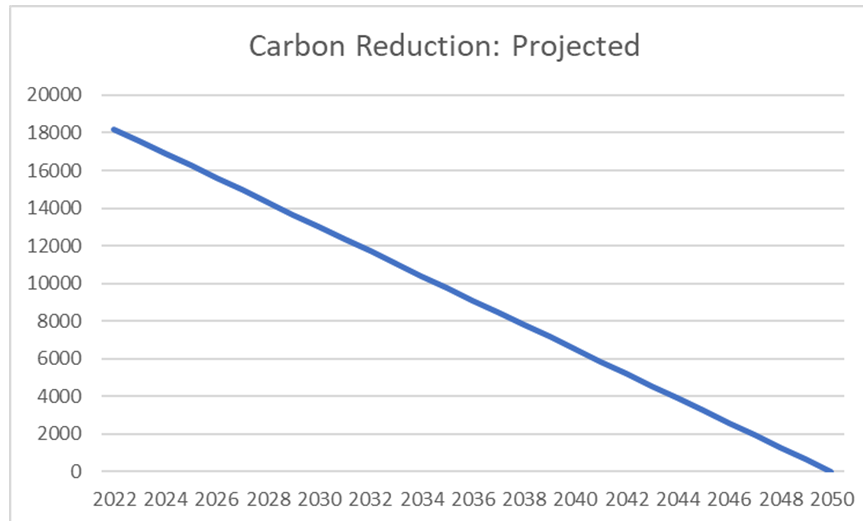
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Carbon Reduction Projects

Completed Carbon Reduction Initiatives

Thompsons of Prudhoe has ISO accreditations for Environmental Management (ISO 14001) and Energy Management (ISO 50001).

LED lighting has been implemented across all static sites which has reduced energy consumption at these locations.

Solar panels have been installed in the financial year 2022/23 across Head Office and Workshop facilities in Low Prudhoe.

Three electric vehicles are now in operation, to substitute emissions from internal combustion engine vehicles. Thompsons of Prudhoe are constantly upgrading wagon fleet to latest specification engines, with new trucks currently on order.

Preference has been given to contracts with electricity providers that can supply a higher percentage of renewable electricity. The current provider buys 63% renewable electricity and these substitution benefits for energy generation are passed onto the consumer.

A biomass boiler is already installed at Head Office and use isolates the need for gas at this site. In addition, it may also be feasible to substitute reliance on onsite diesel generators for power generation with mobile renewable energy systems at specific site locations.

Future Carbon Reduction Initiatives

In the future Thompsons of Prudhoe hope to implement further measures such as:

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Where appropriate technology is available and viable, it may be possible to substitute plant machinery with electric-powered alternatives to limit the use of fossil fuels and thus reduce GHG emissions from these sources.

Detailed diesel consumption will be implemented on a per-contract basis to track and monitor performance to ensure latest goals are being met.

Solar panels are planned to be installed across satellite quarry and quarry restoration sites.

Consideration will be given to joining an accredited carbon offsetting scheme and/or carbon permit trading to compensate for any remaining GHG emissions once other measures within the hierarchy have been implemented.

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Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard 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 standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

Scope 1 and Scope 2 emissions have been reported in accordance with 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) Standard³.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed on behalf of the Supplier:

A handwritten signature in blue ink, appearing to read "R. Moh", positioned above a dotted line.

Date: ...23/11/2023.....

¹<https://ghgprotocol.org/corporate-standard>

²<https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³<https://ghgprotocol.org/standards/scope-3-standard>