



PPN 06/21

Carbon Reduction Plan

Northwood Hygiene Products Ltd

Publish Date August 2023

Carbon Reduction Plan

(PPN 06/21)

Supplier name: **Northwood Hygiene Products Ltd**

Publication date: **August 2023**

Commitment to achieving Net Zero

Northwood Hygiene Products Ltd (NHP) is committed to achieving Net Zero emissions by 2050.

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases 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.

Baseline Year: 2022	
Additional Details relating to the Baseline Emissions calculations.	
For the purposes of this Carbon Reduction Plan, the baseline emissions calculations have been taken from 2022. NHP has reported Scope 1 & 2 emissions since 2020 in line with SECR requirements. Due to the impacts of COVID-19 and due to significant business acquisition, we have taken data from the 2022 calendar year, and included Scope 3 for the first time.	
NHP operates across 3 sites, manufacturing jumbo toilet rolls, centrefeed rolls, hygiene rolls and hand towels for the Away-from-Home market.	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	618
Scope 2	1,365
Scope 3 (Included Sources)	76,364

	<ul style="list-style-type: none"> - Purchased Goods and Services <ul style="list-style-type: none"> o 71,260 tCO₂e - Capital Goods <ul style="list-style-type: none"> o 557 tCO₂e - Upstream transportation and distribution <ul style="list-style-type: none"> o 2,691 tCO₂e - Waste generated in operations <ul style="list-style-type: none"> o 114 tCO₂e - Business travel <ul style="list-style-type: none"> o 44 tCO₂e - Employee commuting <ul style="list-style-type: none"> o 481 tCO₂e - Downstream transportation and distribution <ul style="list-style-type: none"> o 761 tCO₂e
Total Emissions	78,347

Current Emissions Reporting

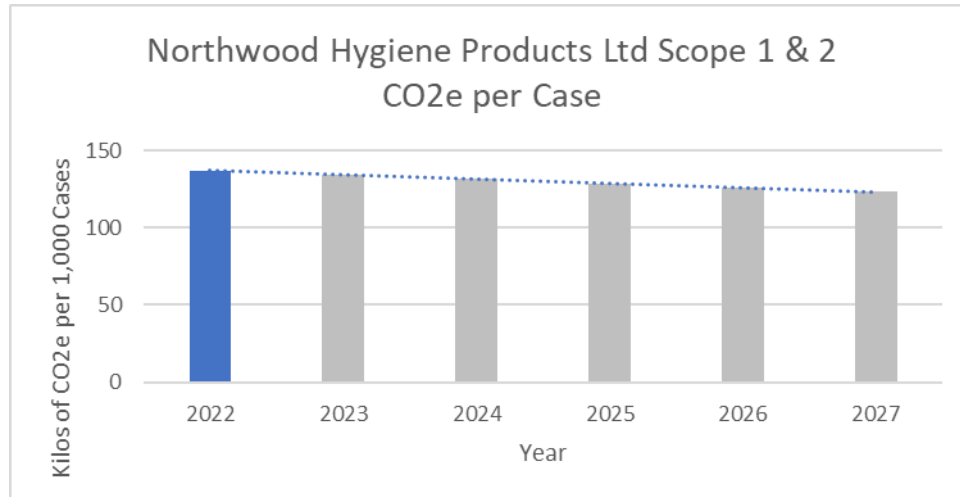
Reporting Year: 2022 (same as baseline year)	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	618
Scope 2	1,365
Scope 3 (Included Sources)	76,364
Total Emissions	78,347

Emissions reduction targets

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

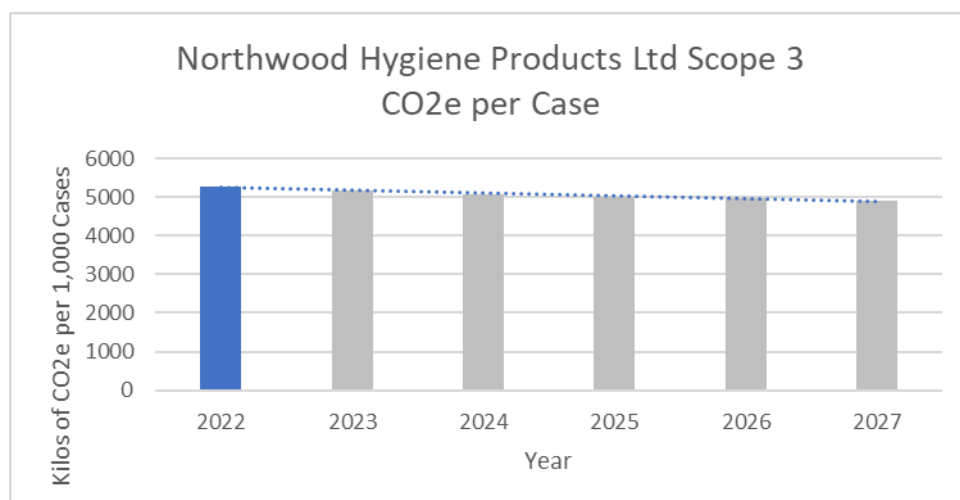
We project that Scope 1 & 2 carbon emissions will decrease over the next five years by 10%, based on the 2022 baseline (emissions and output). This reflects emissions from NHP manufacturing and office facilities.

Expected progress against this target can be seen in the graph below:



We project that Scope 3 carbon emissions will decrease over the next five years by 7% (emissions and output). This reflects emissions purchased raw materials and goods, incoming and outgoing deliveries and production waste. This category represents the majority of total Scope 3 emissions.

Expected progress against this target can be seen in the graph below:



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

Due to our baseline reporting year only being last year we are unable to demonstrate the effectiveness of any historical carbon reduction projects, however, since 2019 we have completed the following initiatives:

- ISO14001 certification at Disley & Chesterfield sites
- Upgraded majority of our Car Fleet from Diesel to Petrol Hybrids
- Flexible home working arrangements
- Purchasing REGO Electricity since 2020
- Upgrade of old equipment with more efficient technology across paper making, converting and distribution operations.
- Rollout of LED lighting across all NHP operations
- Installation of a heat recovery system at Chesterfield Mill
- Investment in UK sites to increase capability and reduce reliance on purchasing factored products from Europe and Far East
- Product engineering to increase logistics and distribution efficiency
- Consolidated geographical infrastructure & logistics

In the future we hope to implement further measures such as:

- Review of Sustainable Sourcing Policy
- Transition from Hybrid to Electric Vehicles (or alternatives) across our Company Car, & FLT fleet
- Enhancement of EV charging points across all sites
- Investigate Cycle to Work, Car Share and EV employee support
- Investigate installation of Solar Panels across all NHP sites
- Continued investment in UK sites to ensure more paper products are made in UK
- Improved preventative maintenance programme
 - o Compressed air leakage management plan
 - o Thermal surveys
 - o Vibration monitoring
- Investment in a new Transport Management System to improve efficiency through logistics and distribution
- Investigate Hydrogen use at Paper Mills to replace natural gas. Subject to HyNet development
- Continued investment in state of the art logistics fleet & high standards of emission requirements from Third Party hauliers
- Review of online & print marketing strategy
- Introduce ISO14001 to all manufacturing sites
- Continued upgrade of old equipment with more efficient technology, including:
 - o Installation of new boiler at Disley site that recycles waste heat
 - o Upgrade of machinery insulation to increase efficiency
 - o Installation of converting machinery to optimise Chesterfield Mill reel width
 - o Investigate variable frequency drives on machinery motors
 - o Continued investment in fibre recovery capability
 - o Investment in new pure pulp paper making machine to reduce reliance on importing parent reels

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).



Paul King
Chief Executive Officer
Northwood Hygiene Products Ltd

Date: 04/08/2023
