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Northrop Grumman UK Limited

**Carbon Reduction Plan**

September 2024

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# Northrop Grumman UK Limited

## Carbon Reduction Plan UK PPN 06/21

**Supplier name:** Northrop Grumman UK Limited

**Publication date:** September 2024

### Commitment to achieving Net Zero

NGUKL is committed to achieving net zero emissions by 2050. Northrop Grumman Corporation is committed to achieving net zero emissions in operations (Scope 1&2) by 2035.

### Baseline Emissions Footprint

Baseline emissions are a representation of the greenhouse gases that have been produced before the implementation of carbon reduction strategies. It is a reference point against which emissions reduction can be measured.

**Baseline Year: 1st January to 31st December 2019**

#### Additional Details relating to the Baseline Emissions calculations

Our 2019 baseline year emissions inventory represents Scope 1, Scope 2, and the subset of Scope 3 categories defined by PPN 06/21 and is developed in alignment with GHG Reporting Protocol corporate standard<sup>1</sup>.

#### Baseline year emissions:

EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	125 tCO <sub>2</sub> e
Scope 2	558 tCO <sub>2</sub> e (Location Based)
Scope 3 (Included Sources)	2,781 tCO <sub>2</sub> e (Business Travel – Air includes RF)
<b>Total Emissions</b>	<b>3,464 tCO<sub>2</sub>e</b>

Scope 3 included sources includes: Business Travel, Employee Commuting, Waste Generated in Operations, Upstream & Downstream Transportation and Distribution.

### Current Emissions Reporting

**Reporting Year: 1st January to 31st December 2023**

EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	96 tCO <sub>2</sub> e
Scope 2	346 tCO <sub>2</sub> e (Location Based)
Scope 3 (Included Sources)	2,682 tCO <sub>2</sub> e (Business Travel – Air includes RF)
<b>Total Emissions</b>	<b>3,124 tCO<sub>2</sub>e</b>

Scope 3 included sources includes: Business Travel, Employee Commuting, Waste Generated in Operations, Upstream & Downstream Transportation and Distribution.

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

## Emissions Reduction Targets

Northrop Grumman Corporation next generation environmental sustainability goals were announced in 2022 and include sourcing 50 percent of total energy from renewable sources by 2030 and net zero GHG emissions in operations (Scope 1&2) by 2035. NGUKL is also committed to achieving net zero emissions for the subset of Scope 3 categories as defined in PPN 06/21 by 2050.

Our greenhouse gas emissions inventory is shown in Figure 1 below. Lower than targeted GHG emissions between 2020 and 2022 is attributed to minimal business travel, reduced employee commuting and remote working during the COVID19 pandemic. The return of standard business practices following the pandemic and an increase in Full Time Employees (FTE) has contributed to a rise in GHG emissions, however actual emissions remain below NGUKL's targeted reduction. See Carbon Reduction Projects section for details as to how this was achieved.

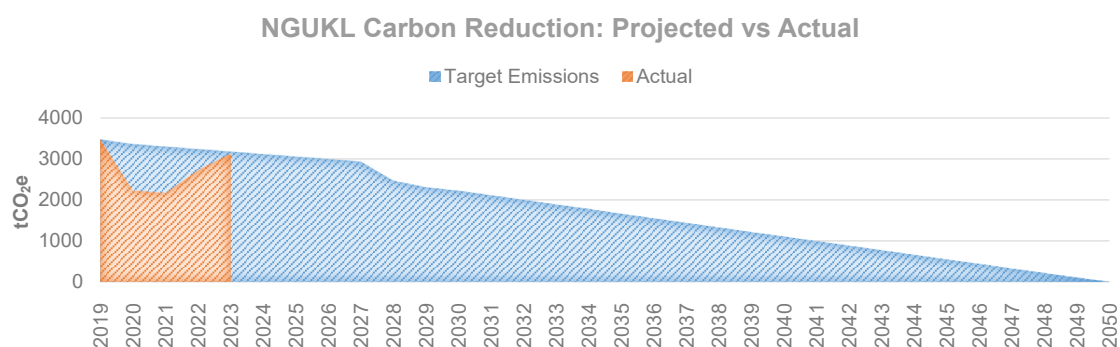


Figure 1: NGUKL Carbon Reduction Projected vs Actual

## Carbon Reduction Projects

The following environmental management measures and projects have been completed or implemented since the 2019 baseline.

Initiative	Date Implemented	Benefits & Outcomes
<b>ISO14001</b>	February 2004	NGUKL has three sites in the UK certified to ISO14001 by LRQA, demonstrating our commitment to environmental excellence and continual improvement.
<b>LED Lighting</b>	June 2017	To increase energy efficiency, NGUKL has progressively been replacing old lighting when it comes to the end of its life with LED lighting. Where office refurbishment projects have taken place lighting has been replaced in a single exercise. 80% of NGUKL offices are now equipped with LED lighting.
<b>greeNG</b>	October 2018	A core Employee Resource Group, greeNG is an employee volunteer community that reinforces NGUKL's commitment to the environment by encouraging employees to take part in educational events, volunteer in the local community and implement projects that deliver transformative change to the business.

Initiative	Date Implemented	Benefits & Outcomes
<b>Hybrid Working and Remote Meetings</b>	March 2020	A remote and hybrid working model was adopted during the COVID-19 pandemic and NGUKL made the transition to a hybrid working framework in November 2021. Optimising technology for remote meetings has contributed to a reduction in our business travel and employee commuting emissions.
<b>Clear Workspace Furniture Donation (Coventry)</b>	December 2020	Clear Workspace, zero waste office specialists, were engaged to ensure no furniture or office equipment was disposed of during an office closure in Coventry. Avoiding waste to landfill and preventing an increase in our Scope 3 emissions.
<b>AHU Upgrades</b>	2021	Critical upgrades made to the Air Handling Unit and lighting at our Chester facility reduced site emissions by 9% in 2021.
<b>Office Consolidation</b>	September 2022	Major projects hosted from our Fareham office were relocated to our existing office space in New Malden.
<b>Cycle-to-Work Scheme</b>	August 2022	NGUKL encourage alternative commuting methods by making greener choices more accessible and affordable. Each site has a secure and sheltered bike storage and changing/showering facilities. NGUKL has supported the cycle-to-work scheme for many years, but in August 2022 we made the decision to increase the employee spend limit to £5,000 to further encourage adoption of this benefit.
<b>Clear Workspace Furniture Donation (Fareham)</b>	September 2022	Clear Workspace, zero waste office specialists, were engaged to ensure no furniture or office equipment was disposed of during an office closure in Fareham. Avoiding waste to landfill and preventing an increase in our Scope 3 emissions.
<b>Electric Vehicle Salary Sacrifice Scheme</b>	January 2023	NGUKL encourage alternative commuting methods by making greener choices more accessible and affordable. We also encourage employees to take sustainable practices home with an ambition to help reduce emissions in the community.
<b>Hybrid Company Pool Cars</b>	February 2023	Our fleet of diesel company pool cars were exchanged for four hybrid-electric vehicles saving approximately 30 tCO <sub>2</sub> e.
<b>Electric Vehicle Charging Points</b>	January 2023	Two charging points were installed at one of our Cheltenham locations in 2023 and four were installed at our New Malden office in 2024 to encourage our employees to consider low emissions vehicles by increase the accessibility and affordability of them. This initiative goes hand-in-hand with our employee EV salary sacrifice scheme.
<b>100% Renewable Electricity Tariff</b>	March 2024	NGUKL entered a 100% renewable electricity tariff with EDF for all our UK sites where we have jurisdiction over our energy provider. Note: Scope 2 figures in this report are reported as Location Based. However, NGUKL see this agreement as an important movement “to do the right thing” and continue to influence the energy market and society.

Initiative	Date Implemented	Benefits & Outcomes
<b>Smarter AHU Schedules</b>	April 2024	By conducting reviews of our occupancy patterns across our offices restricted Air Handling Unit schedules were adopted, ensuring energy is not wasted heating and cooling empty offices.
<b>Tracking of Business Travel Rail Emissions</b>	July 2024	Introduction of a new mandatory field in Concur Expense Tool to enhance the quality and accuracy of our Business Travel associated emissions.

## Future Carbon Reduction Projects

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

1. Investigating sub-metering systems at leased locations without a BMS
2. Engaging with our landlords to increase building efficiency and biodiversity
3. Engagement in green events such as Veganuary
4. Focus on reducing and replacing single-use plastic in our offices
5. Introduction of green travel policies to reduce Business Travel emissions
6. Policies and incentives to encourage employees to choose greener methods when travelling to work.

## 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 standard and uses the appropriate Government emission conversion factors for greenhouse gas company reporting.

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) Standard.

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:**



Date... September 2024 .....

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

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

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

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