
Northrop Grumman UK Limited

Carbon Reduction Plan

September 2023

Northrop Grumman UK Limited

Carbon Reduction Plan UK PPN 06/21

Supplier name: Northrop Grumman UK Limited

Publication date: September 2023

Commitment to achieving Net Zero

Northrop Grumman UK Limited is committed to achieving net zero emissions in our operations (Scope 1&2) by 2035. We are also committed to achieving net-zero emissions for the subset of Scope 3 categories as defined in PPN 06/21 by 2050.

Baseline Emissions Footprint

Baseline Year: 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 standard¹.

Baseline year emissions:

EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	189
Scope 2	681
Scope 3 (Included Sources)	1,444
Total Emissions	2,314

Current Emissions Reporting

Reporting Year: 2022

EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	71
Scope 2	357
Scope 3 (Included Sources)	867
Total Emissions	1,295

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

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

Emissions Reduction Targets

Northrop Grumman Corporation's 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. Northrop Grumman UK Limited is committed to achieving these goals and in addition 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. Our operational emissions (Scope 1 & 2) continue to decline year on year as a result of operational efficiencies highlighted throughout this plan. The increase in overall carbon emissions is a result of increased scope 3 emissions (business travel) compared to the previous year.

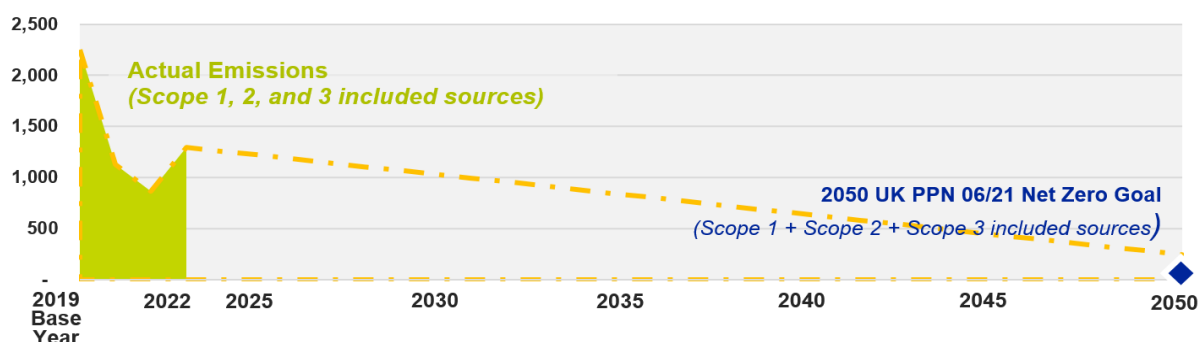


Figure 1: Northrop Grumman UK Ltd UK Greenhouse Gas (GHG) Emissions

Carbon Reduction Projects

The following environmental management measures and projects have been completed or implemented since the 2019 baseline. The carbon emission reduction that has been achieved equates to 1,019 tCO₂e, a 44% reduction against the 2019 baseline.

- Implemented energy efficiency projects such as lighting and air conditioning upgrades, which achieved energy reduction of 9% in 2021
- Northrop Grumman continues to implement ISO 14001 across its UK sites demonstrating our commitment to environmental and energy management
- Our GreeNG Employee Resource Group actively engages employees and promotes environmental stewardship at work, at home, and in our communities. Colleagues implemented recycling schemes for challenging waste streams across our sites
- Installed EV charging infrastructure at key sites, as well as the introduction of an EV salary sacrifice scheme for all colleagues
- Implemented employee commuting programmes including the Cycle to Work Scheme to encourage cycling to work
- Donated furniture from a building closure to Clear Workspace, avoiding Scope 3 waste generation emissions
- Participation in Streamlined Energy Carbon Reporting (SECR) and more recently Energy Savings Opportunity Scheme (ESOS) which has validated our current status and provided clear guidance on energy/carbon reduction opportunities moving forward
- Northrop Grumman actively encourages a flexible/hybrid working approach which has led to notable Scope 3 carbon reduction within business travel and commuting categories when compared to the baseline year (2019)

- Supplier engagement/ collaboration to gain more accurate and reliable scope 3 data (Upstream & Downstream Transportation and Distribution, Waste & Business Travel Data) which has enabled us to improve our reporting transparency and aid decision making for future carbon reduction initiatives.
- Collaborated with our landlords with regard to our leased buildings - implementation of sub-metering energy & water supplies which led to energy efficiency improvements.

For the Future

- To continue working with our partners to promote our EV salary sacrifice scheme highlighting the environmental benefits of switching to an electric vehicle.
- Further improve the EV charging infrastructure across Northrop Grumman sites in the UK including London, Manchester and Cheltenham.
- Use suggestions from our 2023 ESOS report to invest in energy reduction opportunities, which include but not limited to A/C occupancy sensors, improved thermostatic controls & use of solar films.
- Partnering with suppliers to decarbonise the commute to work. Implementation of car sharing schemes, with personal emissions evaluations for all colleagues.
- Sub-metering of energy and water supplies at our energy intensive sites to improve data granularity and help highlight energy wastage.
- Promoting a behavioural change programme through communication and environmental awareness eLearning.
- Actively reduce our business travel emissions through enhanced video conferencing, integrated telephony and creation of a low carbon travel policy.

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21, 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. This uses the appropriate Government emission conversion factors for GHG reporting².

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements. 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:



Nick Chaffey, Chief Executive Officer, Northrop Grumman UK

Date: 29 Sept 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>

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