
CARBON REDUCTION PLAN

The UK Government amended the Climate Change Act 2008 in 2019 by introducing a target of at least 100% reduction in the net UK carbon account (i.e. a reduction of greenhouse gas emissions when compared to 1990 levels) by 2050. As a result, Central Government Departments, their Executive Agencies and Non-Departmental Public Bodies are required to ensure that suppliers to contracts with an annual value of in excess of £5 million (excluding VAT) per year are committed to achieving “Net Zero by 2050” for all procurements after 30th September 2021.

This has led to PPN 06/21 which applies to all new procurements from this date including framework call-offs and Dynamic Purchasing Systems where the anticipated individual value of the call-off or DPS is £5 million or more (excluding VAT) per annum. To demonstrate compliance, we have set out our environmental management measures in our Carbon Reduction Plan which includes:

- Confirming our commitment to achieving Net Zero by 2050 for our UK operations.
- Details of our carbon footprint/current emissions for the sources included in Scope 1 and 2 of the GHG Protocol and a defined subset of Scope 3 emissions.
- Providing emissions reporting of the CO₂e (Carbon Dioxide Equivalent) for the greenhouse gases covered by the Kyoto Protocol (predominantly carbon dioxide, methane and nitrous oxide).
- Setting out the environmental management measures we have adopted including specific carbon reduction measures.
- Publication of our Carbon Reduction Plan on our website.

Scope 1, 2 and 3 Emissions Definitions

Scope 1 Direct Emissions - these are direct greenhouse gas emissions that occur from sources that are controlled or owned by us (e.g. emissions from boilers in our buildings, company vehicles etc).



Scope 2 Energy Indirect Emissions - these are indirect greenhouse gas emissions associated with the purchase of electricity, heating or cooling etc, and are measured and reported in alignment with our energy use.

Scope 3 Other Indirect Emissions - these fall into 15 categories and include all sources not specified within Scopes 1 and 2 above. The Scope 3 emissions that we are required to report on are:

- **Transportation of employees for business related activities** in vehicles not owned or operated by us.
- **Transportation of employees between home and work** in vehicles not owned or operated by us including in their own vehicles.
- **“Upstream” transportation and distribution** of products purchased by us from Tier 1 suppliers (e.g. paper, printer cartridges, office consumables etc).
- **“Downstream” transportation and distribution** of products sold by us including retail and storage. This category is not applicable as Nwando Care is a service business and does not produce, transport or distribute products.
- **Disposal and treatment of waste** generated in facilities not owned or controlled by us, but from whom we purchase Tier 1 products.

Carbon Reduction Plan

The tables below show our carbon footprint in our baseline years, 2024 when we first started measuring our emissions and the current year.

Baseline Year:	12 months commencing 01/2024
Baseline Emissions Calculations:	No Scope 3 emissions reporting took place prior to 01/01/2024 so baseline emissions have been calculated according to the baseline on this date.
Scope 1 CO ₂ e:	688 kg CO ₂ e for 2024
Scope 2 CO ₂ e:	0 kg CO ₂ e for 2024
Scope 3 CO ₂ e (included sources):	0 kg CO ₂ e for 2024
Total Emissions:	688 kg CO ₂ e for 2024

Current Year:	12 months commencing 01/2024
Scope 1 CO ₂ e:	688 kg CO ₂ e



Scope 2 CO ₂ e:	0 kg CO ₂ e
Scope 3 CO ₂ e (included sources):	0 kg CO ₂ e
Total Emissions (tCO ₂ e):	688 kg CO ₂ e

Emission Source	Scope (1,2,3)	Total
Intel R core processor i5-2400 CPU at 3.10GHz, 8 GB RAM	1	50 kg CO ₂ e/year
Intel R core processor i5-8500 CPU at 2.10 GHz, 16 GB RAM	1	55 kg CO ₂ e/year
Intel R core processor i5-6500 CPU at 3.20 GHz, RAM 12 GB	1	52 kg CO ₂ e/year
Intel R core processor i5-3470 CPU at 3.20 GHz, RAM 16 GB	1	53 kg CO ₂ e/year
Intel R core processor i3-7000 CPU at 3.90 GHz, RAM 8 GB	1	45 kg CO ₂ e/year
Intel R core processor i5-4690 CPU at 3.50 GHz, RAM 8 GB	1	50 kg CO ₂ e/year
AMD A9-9410 RADEON R5, 5 COMPUTE CORES 2C+3G at 2.90 GHz, RAM 8GB	1	48 kg CO ₂ e/year
Intel R core i5-10400T CPU at 2.00 GHz, RAM 8GB	1	55 kg CO ₂ e/year
Konica Minolta Bizhub C308 multifunctional printer	1	150 kg CO ₂ e/year
Samsung 900 Watt microwave	1	35 kg CO ₂ e/year
Bosch 1.7 litre boiling kettle	1	25 kg CO ₂ e/year



Bosch 90 Watt fridge	1	50 kg CO ₂ e/year.
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Total Estimated Carbon Emission

The total estimated carbon emission for all the listed devices in the Nwando Care central office is approximately 668 kg CO₂e per year.

Carbon Reduction Commitments/Actions

Nwando Care is committed to achieving Net Zero by 2050 and as part of this commitment, has an interim target of reducing emissions by 50% by 2030. This plan is reviewed annually by the Directors to check progress and establish if changes should be made to the actions we have in place to maximise our reduction in carbon emissions.

The basis of our Carbon strategy is one of **Measure – Prioritise – Act – Measure – Repeat.**

Measure

We report on the sources of environmental impact over which we have operational control, calculate our carbon footprint monthly in accordance with the Greenhouse Gas (GHG) Protocols Corporate Standard, and report against the Kyoto Protocol greenhouse gases in terms of:

- Actual targets – absolute reduction targets which compare actual figures in the target year to those in the base year.
- Intensity targets – based on a normalising factor.

We subscribe to a proprietary online carbon calculator service to manage our data inputs, conduct the required calculations, set and record our intensity metrics, and provide monthly carbon reporting. The data that sits behind this is the UK Government Greenhouse Gas reporting database, updated when appropriate.

This provides us with our emissions by source, and total emissions by month, sets our intensity metrics and tracks performance month-on-month.

Our chosen intensity metric is kg/CO₂ per employee.

Our base year for all measurements is 01/ 2024. This will not change unless there is a significant change to our company structure (e.g. a merger or acquisition) or a change in the



company's ownership, in which case the base year may move to the reporting year following the structural change.

Specific inputs and output used to calculate figures quoted in our Carbon Reduction Plan include:

1. Intel R core processor i5-2400 CPU at 3.10GHz, 8 GB RAM
2. Intel R core processor i5-8500 CPU at 2.10 GHz, 16 GB RAM
3. Intel R core processor i5-6500 CPU at 3.20 GHz, RAM 12 GB
4. Intel R core processor i5-3470 CPU at 3.20 GHz, RAM 16 GB
5. Intel R core processor i3-7000 CPU at 3.90 GHz, RAM 8 GB
6. Intel R core processor i5-4690 CPU at 3.50 GHz, RAM 8 GB
7. AMD A9-9410 RADEON R5, 5 COMPUTE CORES 2C+3G at 2.90 GHz, RAM 8GB
8. Intel R core i5-10400T CPU at 2.00 GHz, RAM 8GB
9. Konica Minolta Bizhub C308 multifunctional printer
10. Samsung 900 Watt microwave
11. Bosch 1.7 litre boiling kettle



12. Bosch 90 Watt fridge

Prioritise

Our monthly carbon calculation has enabled us to identify the largest sources of GHG emissions, and to focus those which have most impact. That does not imply however that we are not implementing actions across the board. We have been able to identify quick and easy wins;

1. Assessment and Monitoring
2. Energy Efficient Equipment Upgrades
3. Optimising Equipment Usage
4. Renewable Energy Integration
5. Creating of Server and IT infrastructure to accommodate cloud computing

which relate to relatively low impact areas whilst also implementing longer term multi-facet strategies for the larger emission areas.

Act

Our action plan involves Behaviour Change, Process Change and Technology Change.

We have taken the obvious first step and committed to sourcing electricity from a 100% Renewable Energy tariff.

Behaviour Change

We have communicated our Net Zero ambitions across our workforce and have tasked staff with identifying where they can affect carbon reductions through behaviour change.

Examples include:

- Encouraging the turning-off or powering-down of appliances and lights when not in use.
- Eliminating unnecessary heating in unoccupied areas.
- Education programme relating to the importance of saving water as a carbon mitigation measure.
- Permitting home-working and encouraging videoconferencing.
- Encouraging alternative travel to work e.g. walk, cycle, car-share, public transport

Process Change



We have conducted a thorough review of all our process to identify opportunities to reduce or eliminate physical waste and making more efficient use of materials (e.g. electronic data storage and moving towards paperless systems).

Scope 3

Whilst we can influence the Scope 3 emissions arising from our staff travel to work, other upstream and downstream emissions are harder to measure and report.

We have communicated our Net Zero ambitions to our Tier 1 supply chain partners and are engaging with them to support us with reporting Scope 3 emissions that are not under our control.

Measure

Our monthly carbon reporting means that we are in a continual measurement programme, and by implementing the above actions, we are able to see how well each specific measure is working and refine our processes accordingly.

Offsetting

Offsetting the emissions that we can't mitigate will become part of our strategy, but only at the point that we've implemented all of the possible behavioural, process and technology changes that we can influence.

Review

This carbon reduction plan will be reviewed at least annually and may be altered from time to time in light of legislative changes or other prevailing circumstances.

Declaration

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

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans, the GHG Reporting Protocol Corporate Standard and we use the appropriate Government emission conversion factors for greenhouse gas company reporting.



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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.

We confirm this Carbon Reduction Plan is reviewed and signed off at board level on an annual basis and is available on the home page of our website.

Signature: 

Name: Emmanuel Akubue

Job Title/Designation: Director/Business Development

Date: 06/02/2024