Cabinet Office

CARBON REDUCTION PLAN GUIDANCE

RM6116 Network Services 3

Carbon Reduction Plan Template

Supplier name: Node4 Ltd…………………………………………….

Publication date: 10th May 2023.………...

Commitment to achieving Net Zero

Node4 Ltd 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.
Node 4 have calculated and reported our emissions in line with the GHG Protocol Corporate Accounting and Reporting Standard (revised edition) and emission factors from the UK Government's GHG Conversion Factors for Company Reporting. *SECR methodology and the CO2 calculation has been verified by ISO 50001 UKAS accredited auditor.* *2022 is used as the baseline year, due to it being the first year that Scope 3 data was made available. Node4 did not have the data available for previous years to accurately calculate Scope 3 data.* *Usage Data has been taken from energy supplier billing information*
Baseline year emissions: 2022.

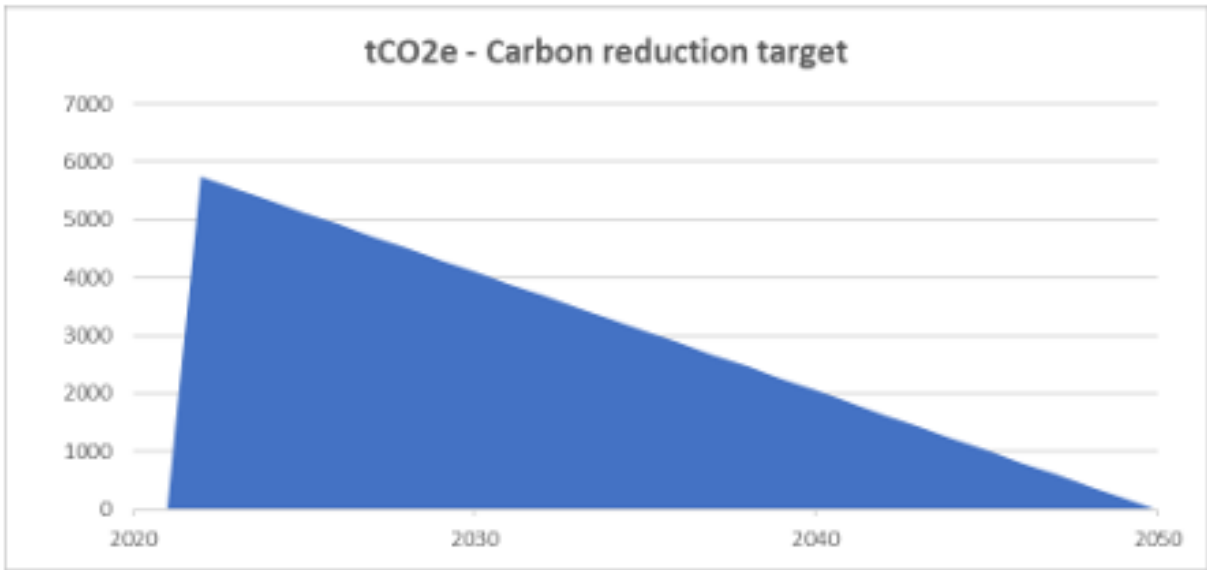| EMISSIONS	TOTAL (tCO$_2$e)
Scope 1	Emissions from activities for which the group is responsible including combustion of fuel and operation of facilities (Scope 1)/ tCO2e. Data centres and attached offices (Generator Diesel - average biofuel blend): 38,919 kWh = 9.4 tonnes CO2e
Scope 2	Emissions from purchase of electricity, heat, steam and cooling purchased for own use (Scope 2)/ tCO2e. Data centres and attached offices: 27,615,172 kWh (Mains) = 5,340 tonnes CO2e
Scope 3 (Included Sources)	Emissions from offices (not attached to data centres), vehicles, water, employee communicating, homeworking (Scope 1)/ tCO2e Offices, vehicles, water, employee communicating, homeworking: = 394 tonnes CO2e
Total Emissions	5,743 tonnes CO2e

Current Emissions Reporting

Reporting Year: 2022	
EMISSIONS	TOTAL (tCO$_2$e)
Scope 1	Emissions from activities for which the group is responsible including combustion of fuel and operation of facilities (Scope 1)/ tCO2e. Data centres and attached offices (Generator Diesel - average biofuel blend): 38,919 kWh = 9.4 tonnes CO2e
Scope 2	Emissions from purchase of electricity, heat, steam and cooling purchased for own use (Scope 2)/ tCO2e.

	Data centres and attached offices: 27,615,172 kWh (Mains) = 5,340 tonnes CO2e
Scope 3 **(Included Sources)**	Emissions from offices (not attached to data centres), vehicles, water, employee communicating, homeworking (Scope 1)/ tCO2e Offices, vehicles, water, employee communicating, homeworking: = 394 tonnes CO2e
Total Emissions	5,743 tonnes CO2e

Emissions reduction targets

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

We project that carbon emissions will decrease over the next five years to 4,717 tCO2e by 2027. This is a reduction of 17.85%.

Progress against these targets can be seen in the graph below:

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

To support Node4 carbon reduction, Node4 obtained ISO 140001 for the provision of co-location and managed data centre services, managed cloud services, unified communications, network connectivity and IT based projects with associated management and support.

As part of the ongoing ISO 140001 commitment the following investments have already been made to support the drive for energy efficiencies:

- Replacement for existing lighting with LED lighting,
- Improvement configuration of HVAC Air conditioning system
- Replacement of equipment to drive reductions in including new Chillers DC3 Halls 1 & 2
- Ongoing maintenance testing to identify and implement efficient saving
- Refreshing equipment with more efficient models.

In addition, Node4 is in the process of replacement the company fleet of vehicles to include electric and hybrid models. The carbon emission reduction achieved by these activities will be in effect when performing the contract Node4 are committed to developing policies and initiatives to support the Governments goal to reduce greenhouse gas emissions.

This carbon reduction commitment is supported by the internal Energy Management Team reporting directly to the Chief Operations Officer and the Board. In the future we hope to implement further measures such as:

- Reducing energy consumption in our operations performance
- Improvements in the design and modification of our facilities, equipment, systems and processes this includes
    - Upgrade of the CRAC units DC3 Hall1
    - DC1 Condenser refresh
    - DC4 Orange & blue Capacitors and fans

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[1] 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:

Paul Bryce – Group Managing Director

Signature .……………………………………………………………………….

Date: 10th May 2023