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Carbon Reduction Plan

Supplier name: Network Utilities (Systems) Ltd

Publication date: 11th January 2023

Network Utilities (Systems) 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: 1st of April 2021 to 31st March 2022 **This is the first Carbon Reduction Plan for the company and is based on Operational Control methodologies**	
Additional Details relating to the Baseline Emissions calculations.	
There is no previous Carbon Reduction Plan reporting due to company restructure and introduction to CCS Frameworks in June 2021.	
Baseline year emissions: 1st April 2021 to 31st March 2022	
EMISSIONS	**TOTAL (tCO_2e)**
Scope 1	**Company Vehicle - 7.74 tonnes Co2e** 2 identical company vehicles – diesel – total miles driven between the 1st of April 2021 and the 31st of March 2022 = 9826.79 miles x 0.91652 = 9006.44 KWh These company cars were allocated to 2 individual engineers and only used for customer site visits for technical support and installation of hardware. During 2021/22 these visits were reduced due to Covid restrictions. The calculations are based on the UK Government GHG Conversion Factors for Lower medium SECR kWh pass & Del Vhhs conversion factor from 2021 using a factor of 0.91652
Scope 2	**Electricity Total – 156.04 tonnes Co2e** Electricity used in the office (144 m2) between the 1st of April 2021 and the 31st of March 2022 – 120,047 kwh Electricity used by staff working from home between the 1st of April 2021 and the 31st of March 2022 – 36,000 kwh Total electricity used = 156,047 KWh x 0.21233 kg CO2e

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	The calculations are based on the UK Government GHG Conversion Factors for Company Reporting for UK Electricity 2021 of 0.21233 kg CO2e. The company put in place hybrid working allowing the staff to continue to work from home between April 2021 and March 2022 following the Covid restrictions of the previous year.
Scope 3 **(Included Sources)**	**4.Upstream transportation & distribution** – The data was not measured between the 1st of April 2021 and the 31st of March 2022 as the company did not have access to the transportation & distribution information from the vendors in order to provide the required details. Requests have since been submitted to the relevant vendors and Network Utilities hopes to provide measured Upstream data by the 2025 report. **5. Waste generated in operations** – **Zero.** The company is an office and does not manufacture any goods. The only waste generated is general day-to-day waste which is recycled and disposed of through regular council collection. All IT disposal is carried out by a WEEE/GDPR/ISO registered company. **6. Business Travel – Total 0.82 tonnes CO2e** Business travel consists of the following between the 1st of April 2021 and the 31st of March 2022. Business travel Petrol car total miles – 1,093.42 miles x 0.28053 = 306.73 KG CO2e Business travel Diesel car total miles – 975 x 0.27108 = 264.30 KG CO2e Business travel Train total km – 2,867 x 0.03549 = 101.75 KG CO2e Business travel Flight – 1148 miles = 156 KG CO2e (data provided by EasyJet) Business Hotels – 1 night – 4 rooms = 0.04 KG CO2e (data provided by hotel footprint calculator) The calculations are based on the UK Government GHG Conversion Factors for Company Reporting for Business Travel Air & Land 202. **7. Employee commuting – Total – 0.36 tonnes CO2e** Total miles travelled by staff between home address and office between the 1st of April 2021 and the 31st of March 2022. 1,286 (round trip) miles x 0.28053 = 360.76 These calculations are based on the UK Government GHG Conversion Factors for Company Reporting for Business Travel – Land average petrol car 2021. **8. Downstream transportation & distribution** - The data was not measured between the 1st of April 2021 and the 31st of March 2022 as the company did not have access to the transportation & distribution information from the vendors in order to provide the required details. Requests have since been submitted to the relevant vendors and Network Utilities hopes to provide measured Downstream data by 2025.
Total Emissions	**164.96 tonnes CO2e**

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Current Emissions Reporting

Reporting Year: 1st of April 2021 to 31st March 2022 **This is the first Carbon Reduction Plan for the company and is based on Operational Control methodologies**	
EMISSIONS	**TOTAL (tCO_2e)**
Scope 1	**Company Vehicle -7.74 tonnes Co2e** 2 identical company vehicles – diesel – total miles driven between the 1st of April 2021 and the 31st of March 2022 = 9826.79 miles x 0.91652 = 9006.44 These company cars were allocated to 2 individual engineers and only used for customer site visits for technical support and installation of hardware. During 2021/22 these visits were reduced due to Covid restrictions. The calculations are based on the UK Government GHG Conversion Factors for Lower medium SECR kWh pass & Del Vhhs conversion factor from 2021 using a factor of 0.91652
Scope 2	**Electricity Total – 156.04 tonnes Co2e** Electricity used in the office (144 m2) between the 1st of April 2021 and the 31st of March 2022 – 120,047 kwh Electricity used by staff working from home between the 1st of April 2021 and the 31st of March 2022 – 36,000 kwh Total electricity used = 156,047 KWh x 0.21233 kg CO2e The calculations are based on the UK Government GHG Conversion Factors for Company Reporting for UK Electricity 2021 of 0.21233 kg CO2e. The company put in place hybrid working allowing the staff to continue to work from home between April 2021 and March 2022 following the Covid restrictions of the previous year.
Scope 3 **(Included Sources)**	**4.Upstream transportation & distribution** – The data was not measured between the 1st of April 2021 and the 31st of March 2022 as the company did not have access to the transportation & distribution information from the vendors in order to provide the required details. Requests have since been submitted to the relevant vendors and Network Utilities hopes to provide measured Upstream data by the 2025 report. **5. Waste generated in operations** – **Zero.** The company is an office and does not manufacture any goods. The only waste generated is general day-to-day waste which is recycled and disposed of through regular council collection. All IT disposal is carried out by a WEEE/GDPR/ISO registered company.

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	6. Business Travel – Total 0.82 tonnes CO2e Business travel consists of the following between the 1st of April 2021 and the 31st of March 2022. Business travel Petrol car total miles – 1093.42 miles x 0.28053 = 306.73 KG CO2e Business travel Diesel car total miles – 975 x 0.27108 = 264.30 KG CO2e Business travel Train total km – 2867 x 0.03549 = 101.75 KG CO2e Business travel Flight – 1148 miles = 156 KG CO2e (data provided by EasyJet) Business Hotels – 1 night – 4 rooms = 0.04 KG CO2e (data provided by hotel footprint calculator) The calculations are based on the UK Government GHG Conversion Factors for Company Reporting for Business Travel Air & Land 202. **7. Employee commuting – Total – 0.36 tonnes CO2e** Total miles travelled by staff between home address and office between the 1st of April 2021 and the 31st of March 2022. 1286 (round trip) miles x 0.28053 = 360.76 These calculations are based on the UK Government GHG Conversion Factors for Company Reporting for Business Travel – Land average petrol car 2021. **8. Downstream transportation & distribution** - The data was not measured between the 1st of April 2021 and the 31st of March 2022 as the company did not have access to the transportation & distribution information from the vendors in order to provide the required details. Requests have since been submitted to the relevant vendors and Network Utilities hopes to provide measured Downstream data by 2025.
Total Emissions	**164.96 tonnes CO2e**

Emissions reduction targets

In order to progress to achieving Net Zero, the company is looking to adopt the following carbon reduction targets. The company projects our total carbon emissions will decrease over the next five years to 140.20 tCO_2e by 2027. This is a reduction of 15%.

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects were completed or implemented prior to this 2021/22 baseline report.

- Installation of solar panels (Specialist for Grade II Listed Building) on the roof of the company building - 2019
- Automatic motion control LED ceiling lights in all office spaces – 2016
- Automatic/timed shutdown on all plug sockets ensuring monitors and laptops/PCs not left on overnight – 2016
- Upgraded cavity wall insulation installed during office refit - 2016

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In the future the company will be looking to implement further measures such as:

- Planning to install an EV charging point/s for staff and visitor cars
- Install additional solar panels on the roof of the company building
- Replace the office kitchen appliances with high star rating efficiency only
- Continue to reduce staff travel by encouraging the use of Zoom/Teams conferencing calling when acceptable to the customer

The company is also keen to offset the carbon omissions it produces and will be looking to join with one of the many UK Carbon Offsetting Initiatives available within the next 18 months.

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[2].

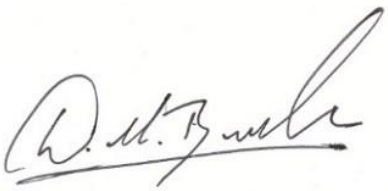
Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard[3].

This Carbon Reduction Plan has been reviewed and signed off by a member of the board of directors (or equivalent management body).

Signed on behalf of the Supplier: Network Utilities (Systems) Ltd

Name & position: Mr David Bundock – Chief Operating Officer

Signature:



Date: 11th January 2023