



Cabinet Office

CARBON REDUCTION PLAN GUIDANCE

RM6116 Network Services 3

Carbon Reduction Plan

Supplier name: Lumen Technologies UK Ltd

Publication date: 09/01/2023

Commitment to achieving Net Zero

Lumen Technologies UK 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: 2018

Additional Details relating to the Baseline Emissions calculations.

Activities comprising our baseline emissions and subsequent years of reporting are listed below. Our reporting follows the Greenhouse Gas Protocol, and our global carbon footprint, of which the UK forms a part, has been independently verified against ISO14064-3 on a Limited Assurance basis. We use an Operational Control boundary. Our 2018 baseline emissions were calculated in 2019 and submitted as part of our response to the Carbon Disclosure Project.

Scope 1: comprises 734.98 tonnes CO₂e from natural gas combustion, 214.38 tCO₂e from company cars, 507.1 tCO₂e from refrigerant losses, and 108.41 tCO₂e from combustion of fuel in generators.

Scope 2: is calculated using the Market basis. In buildings where Lumen controls electricity procurement, electricity is very predominantly supplied from renewable sources, and backed by Renewable Energy Guarantees of Origin (REGOs). In 2018 a few of these sites were yet to be brought under these contracts and emitted 99.84 tCO₂e. Landlord managed sites emitted 7,006.84 tCO₂e. Emissions from electricity at third-party operated co-location facilities were 17,325.35 tCO₂e. Emissions from supply of heat & steam were 40.66 tCO₂e.

Scope 3: Our Scope 3 reporting is currently limited to category 6: business travel, and in 2018 this comprised 177.23 tCO₂e from employee cars and hire cars.

| Baseline year emissions: | |
|--------------------------------------|--|
| EMISSIONS | TOTAL (tCO₂e) |
| Scope 1 | 1,564.87 |
| Scope 2 | 24,472.69 |
| Scope 3 (Included Sources) | 177.23 Category 6 business travel: this comprises business travel in employee cars and hire cars. Please see below for Excluded Sources and plans for future reporting. |
| Total Emissions | 26,214.79 |

Explanation of why other categories are excluded and plans for inclusion: -

4. Upstream transportation and distribution: we currently hold no UK-specific data on this category and have therefore excluded it. We plan to include this category in future reporting and will re-baseline our 2018 footprint to include it.

5. Waste generated in operations: we currently have no UK-specific data on this category and have therefore excluded it. We plan to include this category in future reporting and will re-baseline our 2018 footprint to include it.

6. Business travel: we have currently included business travel in employee cars and hire cars only, as we do not currently hold UK-specific data for other categories. We plan to include other business travel sub-categories in future reporting and will re-baseline our 2018 footprint to include them.

7. Employee commuting: we currently have no UK-specific data on this category and have therefore excluded it. We plan to include this category in future reporting and will re-baseline our 2018 footprint to include it.

9. Downstream transportation and distribution: Lumen does not produce any physical products that require delivery therefore this category is Not Applicable.

Current Emissions Reporting

| Reporting Year: 2021 | |
|-------------------------------|--|
| EMISSIONS | TOTAL (tCO ₂ e) |
| Scope 1 | 483.39 |
| Scope 2 | 19,829.03 |
| Scope 3 (Included Sources) | 28.47 Category 6 business travel: this comprises business travel in employee cars and hire cars. Please see above for Excluded Sources and plans for future reporting. |
| Total Emissions | 20,340.88 |

Emissions reduction targets

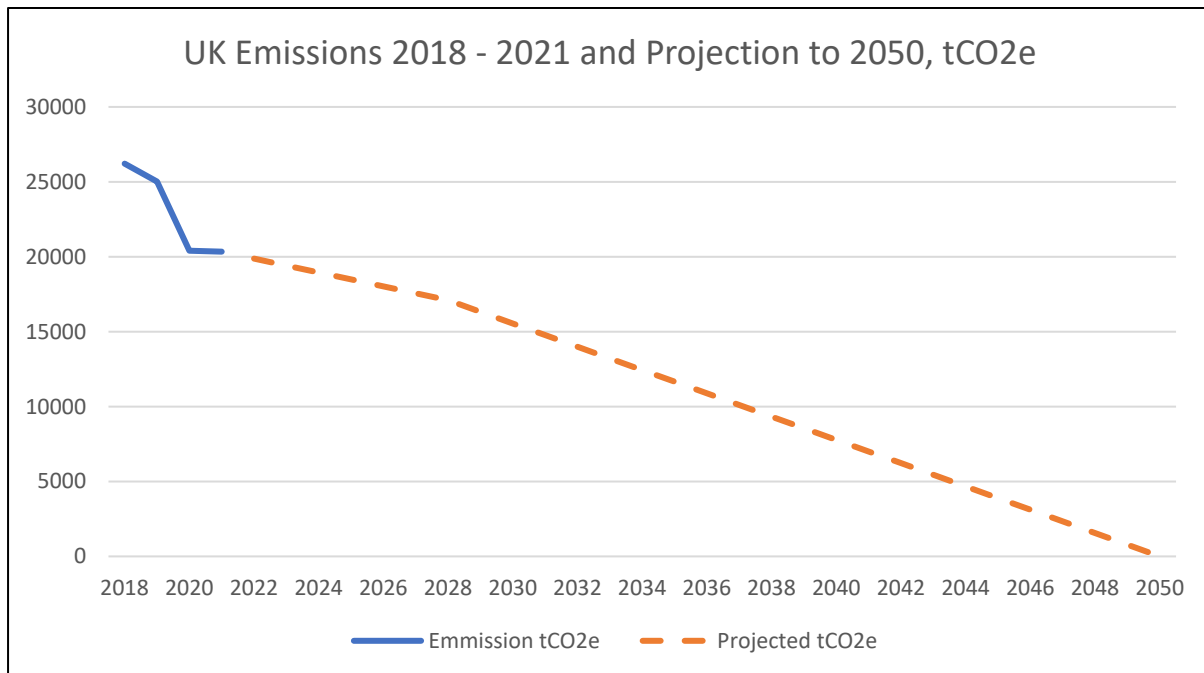
Lumen Technologies UK Ltd is committed to achieving Net Zero emissions by 2050.

Lumen has 2 Science-based targets both of which have been approved by the Science-based Target Initiative (SBTi). These targets apply to Lumen's global operations and help drive performance in the UK, serving as interim targets toward our 2050 Net Zero commitment.

- The global Scope 1 & Scope 2 (Market basis) target is to reduce absolute emissions by 18% by 2025 compared to a 2018 baseline. The target was set in 2019 and by 2022 had already been achieved. In the same period UK Scope 1 & 2 emissions have reduced by 21.99%.
- A further target is to reduce global Scope 3 upstream emissions (Categories 1,2,3,4,5,6,7,8) by 10% by 2025 compared to a 2018 baseline. The target was set in 2019. These reductions have already been achieved on a global basis.
- Having exceeded our Science-based targets in advance of the original projection, we are in the process of setting new targets.

We project that carbon emissions will decrease over the next five years to 17,100 tCO₂e by 2028. This is a reduction of 16%.

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



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2018 baseline. The carbon emission reduction achieved by these schemes equate to 1,103.73 tCO₂e (Market basis), a **4.89%**ge reduction against the 2018 baseline and the measures will be in effect when performing the contract

Lumen Technologies UK Ltd is certified to both ISO50001 and ISO14001 at our significant sites. We have adopted a comprehensive programme of energy efficiency and carbon reduction projects.

Our purchase of renewable electricity (REGOs) also achieves carbon reduction equivalent to **26,794.99 tCO₂e per year** (Market basis, Residual Mix). This was in effect prior to 2018.

Examples

- Policies such as remote working and other measures to reduce office space have reduced Scope 2 emissions equivalent to 1,103.73 tCO₂e per year since 2018 (using the Market basis, Residual Mix).
- Other measures have reduced energy at sites which are supplied by renewable electricity, and therefore do not produce tCO₂e savings under our selected Market-basis reporting. These are reported here under the location-basis, for information only: -
 - Replacements and upgrades to HVAC, air conditioning, and rectifiers and DX units (2018 – 2022) is estimated to have saved 648,059 kWhs per year, avoiding 137.60 tCO₂e per year (Scope 2, location-basis).
 - A comprehensive LED replacement programme in 2022 is estimated to have saved 192,720 kWhs per year, equivalent to 40.92 t CO₂e (Scope 2, location-basis) per year.

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

- LED replacements
- Chiller replacements
- Building Management System replacements
- Boiler controls
- UPS replacements
- DC plant replacements
- Diesel fuel substitution for generators

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 standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

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) 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:

...*Annette Murphy*.....

Annette Murphy

Regional President EMEA & APAC

Date: 9th January 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>