



BT Group Value Chain Scope 3

Greenhouse Gas Protocol accounting and
reporting



June 2025



BT Group



For the thirteenth year running we are reporting our entire corporate value chain Scope 3 emissions in accordance with the Greenhouse Gas Protocol Corporate Value Chain Scope 3 accounting and reporting standard.

We worked with Small World Consulting (SWC) and One Small Step Consulting to undertake these calculations.

We have used two main methodologies to calculate our value chain emissions:

Spend-based method which takes procurement data and calculates the emissions within an environmentally extended economic input-output (EEIO) model to assess the emissions associated with particular sectors of financial activity.

Process-based method which uses quantity-based data to evaluate the emissions associated with specific activities, e.g. kWh of energy usage or quantity of materials purchased to manufacture goods.

The resulting model is a hybrid between EEIO and process-based life cycle analysis.

Spend-based approach to supply chain carbon emissions calculation

In order to estimate our Scope 3 supply chain emissions, extensive use was made of EEIO. This technique combines macro-economic data on the output of industries and the trade between them with data on the total emissions arising directly from each industry to make estimates of the direct and supply chain emissions attributable per unit of output of each industry.

In 2024/25, working with Small World, we continued to assess the carbon footprint associated with our supply chain. We have further refined our model to incorporate real data on suppliers' carbon reductions using data from CDP. In 2018/19 the model was adapted to use Process-Based Life Cycle Analysis (PBLCA) of Apple products to further improve our estimates for supply chain carbon. In 23/24 PBLCA data for Google, Samsung, Arcadyan and Sagemcom was collected and included in the model, and in 24/25 this was expanded to cover Corning and several other third-party hardware suppliers.

A full description of the EEIO methodology is available from [Our methodology Website](#).

Process-based approach to carbon emissions calculation

In the overall assessment of Scope 3 emissions, elements of process-based life cycle analysis have been substituted in to replace elements of the EEIO-based estimates, wherever available data makes a more accurate estimate possible. This approach is applied to the supply chains of energy, travel, transport waste and use of sold products. Whenever this is done, care is taken to maintain consistent boundaries for the analysis and to avoid double counting.



1.1 2024/25 results

Our Scope 3 emissions constitute 81% of our end-to-end net carbon footprint. *To more accurately reflect the real-world emissions from our electricity consumption, we're using the location-based methodology as the basis for our updated operational carbon reduction target. Consequently, our Scope 3, as a percentage of our total emissions, has reduced compared to 95% reported in our previous year.*

The following three categories contribute 80% of all of our Scope 3 emissions: category 1 - purchased goods and services, category 2 - capital goods and category 11 - use of sold products.

For categories marked not applicable, the emissions are either negligible, included in other categories or the activity does not occur in BT Group.

Category	Approach	Methodology
1. Purchased goods and services	EEIO	BT Group has used Environmentally Extended Economic Input Output (EEIO) analysis based on BT Group spend data. This is captured in our model as the category boundary for extraction, production and transport of purchased goods and services acquired or purchased by the reporting company in the reported year. Where suppliers' scope 1 and 2 emissions intensities have been reported to the CDP, these have been used to refine the analysis. In addition, for suppliers who have carried out PBLCA on their products, these results have been substituted into the model where relevant (using a technique that adjusts for truncation errors and aligns system boundaries).
2. Capital goods	EEIO	BT Group has used EEIO analysis based on BT Group spend data. This is captured in our model as the category boundary for extraction, production and transport of capital goods acquired or purchased by the reporting company in the reported year. Where suppliers' scope 1 and 2 emissions intensities have been reported to the CDP, these have been used to refine the analysis. The Scope 3 emissions arising from the purchase of fleet capital goods, such as vans or lorries, are now included within this category, based on a portion of the embodied emissions of an average vehicle being allocated per litre of fuel used. Also of note is that we are unable to separate out all service emissions from capital goods where services are included as part of the purchase spend for the capital equipment, e.g. some types of network equipment.



3. Fuel and energy related activities	Process and EEIO	Scope 3 emissions arising from fuel and energy are estimated by applying Scope 3 emissions factors to the fuel and energy consumption figures that are used for Scope 1 and 2 reporting. Following guidance from the UK Department for Business, Energy & Industrial Strategy (BEIS) and Department for Energy Security and Net Zero (DESNZ), transmission losses which were included in Scope 2 are now included in Scope 3, Category 3. The Scope 3 emissions factors for electricity transmission and distribution losses are taken from the BEIS/DESNZ dataset, whilst the remainder are currently drawn from the Environmentally Extended Economic Input Output analysis model to cover the complete supply chain.
4. Transportation and distribution	EEIO	EEIO analysis has been based on BT Group spend data. In instances where upstream transport and distribution services spend is defined, emissions were included in this category. However, not all upstream transport and distribution is captured as a separate service spend. In most cases upstream transport and distribution forms part of the purchase price of goods and is therefore included within the EEIO model for "category 1 purchased goods and services." It is currently not possible to separate out these emissions.
5. Waste generated in operations	Process	This calculation is based on the quantities of waste by type generated provided by BT Group and Process Life Cycle Analysis (LCA) figures provided by the UK Department for Business, Energy & Industrial Strategy (BEIS) and Department for Energy Security and Net Zero (DESNZ) to model the waste treatment processes.
6. Business travel	Process and EEIO	This calculation is based on data from BT Group's expenses system and other travel data bases. We also add associated upstream emissions from, for example, the manufacture of cars, airplanes and trains. In order to do this, SWC used a hybrid approach based on data from BT Group's expenses system and EEIO for upstream components.



7. Employee commuting	Process and EEIO	<p>Emissions associated with employee commuting are calculated using BT Group Global Employee profile and UK Department of Transport (DfT) travel survey data and the UK Department for Business, Energy & Industrial Strategy (BEIS)/Department for Energy Security and Net Zero (DESNZ) travel and transport mode emission factors. Whilst the BT Global Employee data is for the current year (2024-25) the DfT and the BEIS/DESNZ data sets are for 2023 and 2024 respectively, which are the latest years currently available. Homeworker emissions are calculated using a hybrid approach based on data from BT's expenses system and EEIO for upstream components.</p> <p>* In 2024-25 commuting emissions have decreased due to a change in methodology to better reflect current homeworking patterns.</p>
8. Leased assets	EEIO	Emissions from BT Group leased property and plant has been calculated using EEIO analysis based on BT Group spend data.
9. Downstream transportation and distribution	N/A	An activity not applicable to BT Group. Product distribution is either included in the supplier contract or provided through postal services, e.g. Parcel Force. The associated carbon would be included in category 1 purchased goods and services figures where this is included as part of overall service or Category 4: upstream transportation and distribution where purchased as a separate service.
10. Processing of sold products	N/A	An activity not applicable to BT Group. We do not perform intermediary manufacturing processing on any of our products.
11. Use of sold products	Process	<p>This calculation is based on power consumption, estimated life span and use profile for each type of equipment multiplied by the volumes of equipment sold over the current year. It includes both networking equipment and office equipment supplied to our business customers, as well as equipment supplied to our residential customers. Defra's "UK electricity emissions factors" including the fuel supply chain and transmission losses are used to calculate emissions from power consumption.</p>



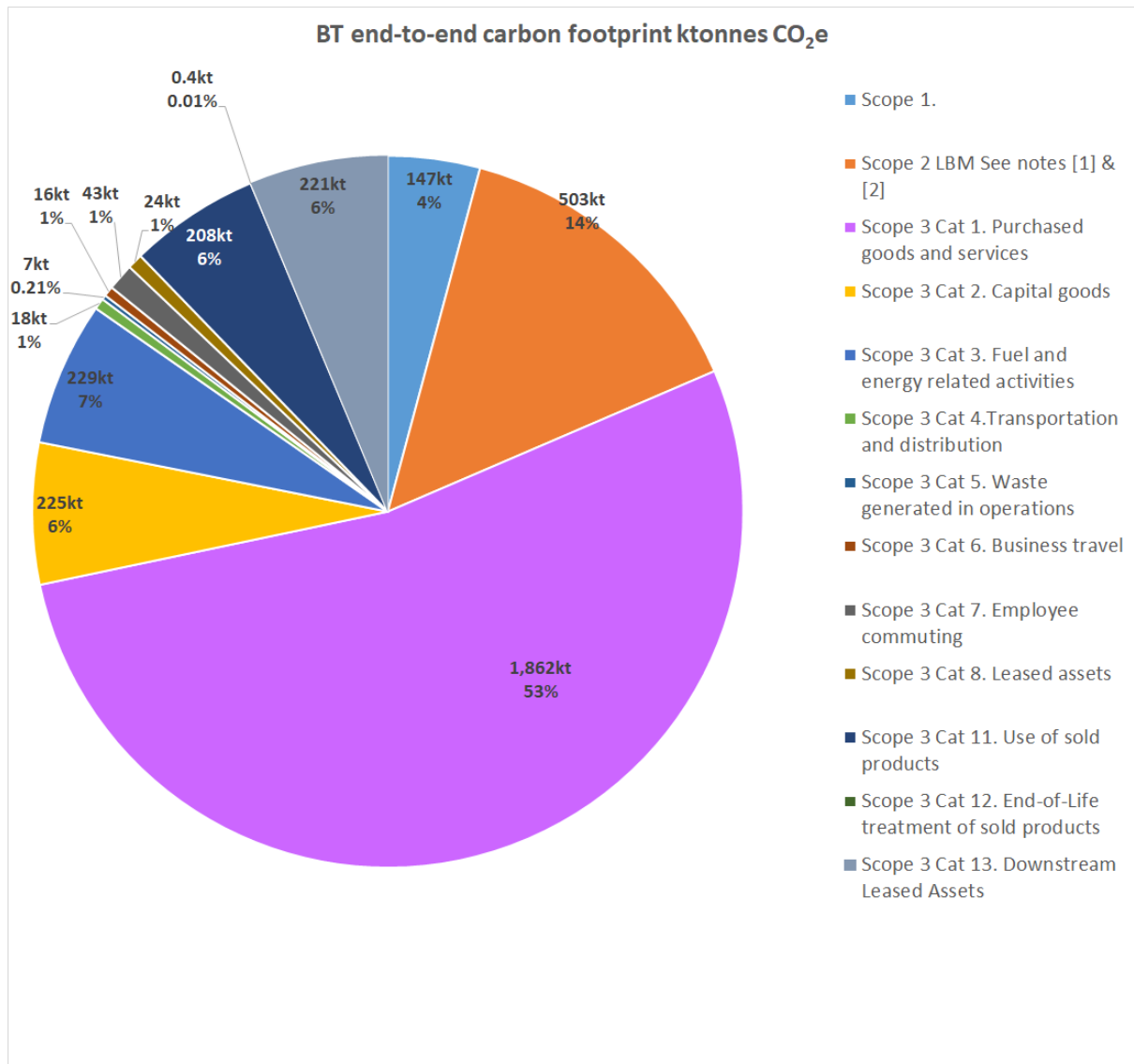
12. End-of-Life Treatment of Sold Products	Process	Waste material quantities by type for products sold in the UK provided by BT Group and Process Life Cycle Analysis (LCA) figures provided by the UK Department for Business, Energy & Industrial Strategy (BEIS) and Department for Energy Security and Net Zero (DESNZ) have been used to model the end of life waste treatment processes. The UK data has been extrapolated to cover end of life treatment of products sold outside the UK.
13. Downstream Leased Assets	Process	This calculation is based on the devices we have leased and are still active with our customers in the reporting year. Using the power consumption data for each device and the UK Department for Business, Energy & Industrial Strategy (BEIS)/Department for Energy Security and Net Zero (DESNZ) emission factor for UK electricity, including the fuel supply chain and transmission losses, we calculate the annual associated emissions for powering those leased devices
14. Franchises	Excluded	An activity not applicable to BT Group as it does not operate any franchises that are considered to be large enough for consideration.
15. Investments	Excluded	Where material, we include this in our Scope 1 and 2 reporting. A study carried out by the Carbon Trust found that 99% of BT Group's investments were accounted for under Scopes 1 and 2.

1.2 BT Group's Scope 3 carbon emissions

Our Scope 3 emissions constitute 81% of our end-to-end net carbon footprint. The following three categories contribute 80% of all of our Scope 3 emissions: category 1 - purchased goods and services, category 2 - capital goods and category 11 - use of sold products.

For the following categories the emissions are either negligible, included in other categories, or the category is not applicable to BT Group: category 9: downstream transportation and distribution, category 10: processing of sold products, category 14: franchises and category 15: investments.





[1] LBM - Location-based method for Scope 2 emissions accounting – Refer to <https://www.bt.com/about/digital-impact-and-sustainability/our-approach#methodology-1>

[2] Excludes electricity purchased by 3rd party tenants

