

City of Bradford Metropolitan Council Greenhouse Gas Report 2021-22

Background

Bradford Council operates a diverse array of public services serving a population of over half a million citizens. The Council is committed to net zero by 2038. Our target is 10% reduction every year on a 19/20 baseline for corporate carbon emissions and is set to help achieve a pathway to our 2038 net zero target. This year the emissions have gone up by 2.61 % due to services coming out of lockdown restrictions.

The scope of this report includes corporate wide consumption data on Gas, Electricity, Fuels used in transport, travel, street lighting and gives emission data on greenhouse gases such as nitrous oxide and methane. These are included in the totals and are expressed as CO₂ equivalents (CO₂e).

Our emissions are listed under 3 scopes;

- **Scope 1** – directly produced emissions
- **Scope 2** – indirectly produced emissions
- **Scope 3** – emissions outside our control but associated with our activities

Emissions released directly through fossil fuel combustion such as motor vehicles or boilers are shown under Scope 1. Indirect emissions released by generating electricity are listed under Scope 2. Business travel is a significant release of emissions which includes rail and air travel as well as travel in private vehicles owned by staff. Because the assets are not owned by the Council these emissions are listed under Scope 3. Also under Scope 3 are electricity transmissions losses from the national grid for which we have no direct control over.

Our Greenhouse Gas Footprint

In this report we have looked at the emissions associated with activities within our financial control.

Table 1 City of Bradford Metropolitan District Council GHG emissions 2009 – 2022

| Year | 2009-2010 | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 | 2015-2016 | 2016-2017 | 2017-2018 | 2018-2019 | 2019-2020 | 2020-2021 | 2021-2022 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Tonnes of CO ₂ e | | | | | | | | | | | | | |
| Scope 1 emissions | | | | | | | | | | | | | |
| Owned Transport | 7,759 | 7,511 | 6,727 | 6,387 | 6,313 | 6,306 | 5,973 | 6,083 | 6,200 | 5,868 | 5,817 | 5,545 | 5,418 |
| Industrial Coal | 949 | 164 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gas Oil* | 2,601 | 2,307 | 1,266 | 492 | 176 | 267 | 275 | 186 | 215 | 172 | 71 | 3 | 7 |
| Kerosene | 0 | 0 | 0 | 78 | 0 | 0 | 82 | 9 | 7 | 66 | 10 | 9 | 2 |
| Wood pellet | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 |
| Wood Chip | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 14 | 17 | 16 | 19 |
| Gas | 26,310 | 29,363 | 25,740 | 29,712 | 28,023 | 8,222 | 8,858 | 8,119 | 6,908 | 7,379 | 7,243 | 5,648 | 6,949 |
| Liquid gas | | 0 | 994 | 0 | | | 4 | 5 | 1 | 4 | 3 | 2 | 2 |
| Total Scope 1 | 37,619 | 39,346 | 34,727 | 36,670 | 34,512 | 14,795 | 15,192 | 14,402 | 13,337 | 13,505 | 13,164 | 11,225 | 12,399 |
| Scope 2 emissions | | | | | | | | | | | | | |
| Total Scope 2 | 44,657 | 45,104 | 44,015 | 46,014 | 45,400 | 24,184 | 22,387 | 19,220 | 12,960 | 12,468 | 10,858 | 9,134 | 8,445 |
| Scope 3 emissions | | | | | | | | | | | | | |
| Business travel | 2,490 | 1,151 | 1,268 | 1,259 | 995 | 1,184 | 1,041 | 983 | 931 | 875 | 881 | 428 | 577 |
| Transmission losses | 3,536 | 3,632 | 3,761 | 3,635 | 3,882 | 2,115 | 1,848 | 1,738 | 1,105 | 1,063 | 922 | 786 | 747 |
| Water | | | | | | | | | | | | 85 | 45 |
| Hotel Stays | | | | | | | | | | | | 1 | 11 |
| Total Scope 3 | 6,026 | 4,783 | 5,030 | 4,894 | 4,877 | 3,299 | 2,889 | 2,722 | 2,036 | 1,937 | 1,803 | 1,300 | 1,380 |
| Total emissions (Tonnes of CO₂e) | 88,302 | 89,233 | 83,772 | 87,578 | 84,789 | 42,277 | 40,468 | 36,344 | 28,333 | 27,910 | 25,826 | 21,659 | 22,225 |

*buildings only

Data in red crosshatch also includes data for schools.

What New?

For the first time we have included GHG emissions from BMDC's water consumption, also we have included GHG linked to Hotel rooms used by Bradford council.

What haven't we reported?

This report does not include some emissions from schools, empty properties for which data was not available due to not on corporate contract, fugitive emissions from air conditioning units or refrigeration units due to lack of data. A lot of schools have transitioned to academy's and have left Bradford Councils utility contracts. Therefore, decision was made to exclude schools altogether to avoid data discrepancies.

There are some discretionary (Scope 3) emissions that have been left out of this report. These are;

- Emissions arising from our supply chain of goods and materials e.g. fuel used to deliver supplies
- Staff travel to their workplace,
- Domestic energy used by staff working at home
- Emissions from waste to landfill