

City of Bradford Metropolitan Council Greenhouse Gas Report 2020-21

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 we have surpassed our target by achieving 16.5% net reduction.

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 – 2021

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
		Kilograms CO ₂ e											
Scope 1 emissions													
	Owned Transport	7,759,214	7,511,394	6,727,393	6,386,688	6,313,332	6,305,810	5,973,493	6,083,228	6,199,796	5,868,418	5,817,431	5,544,544
	Industrial Coal	948,619	163,555	0	0	0	0	0	0	0	0	0	0
	Gas Oil*	2,601,099	2,307,426	1,265,792	492,487	175,973	266,716	274,507	185,589	214,561	172,069	71,167	3,392
	Kerosene	0	0	0	78,395	0	0	82,313	9,002	6,510	66,458	10,139	9,295
	Wood pellet	0	0	0	0	0	0	0	0	0	564	1,107	1,629
	Wood Chip	0	0	0	0	0	0	0	0	6,942	14,123	17,272	15,825
	Gas	26,309,975	29,363,398	25,739,719	30,600,586	28,022,736	8,222,015	8,857,574	8,119,308	6,908,286	7,379,151	7,243,363	5,648,482
	Liquid gas		0	994	0			3,792	4,625	1,106	3,885	3,418	1,557
	Total Scope 1	37,618,907	39,345,773	33,733,898	37,558,157	34,512,041	14,794,541	15,191,679	14,401,752	13,337,201	13,504,666	13,163,897	11,224,724
Scope 2 emissions													
	Purchased electricity	44,657,272	45,104,181	44,015,439	46,013,831	45,400,193	24,183,909	22,387,309	19,220,464	12,960,357	12,468,267	10,858,382	9,133,989
Scope 3 emissions													
	Business travel	2,489,765	1,150,740	1,268,392	1,259,203	995,216	1,183,832	1,040,607	983,033	930,926	874,642	881,418	428,389
	Transmission losses	3,535,974	3,632,053	3,761,346	3,634,935	3,881,865	2,114,734	1,848,373	1,738,495	1,104,792	1,062,844	921,858	785,521
Total emissions (Tonnes CO₂e)		88,302	89,233	82,779	88,466	84,789	42,277	40,468	36,344	28,333	27,910	25,826	21,573

*buildings only

Data in red crosshatch also includes data for schools.

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