

# Torrige District Council Greenhouse Gas Inventory 2020/21

## Company Information

Torrige District Council (TDC)  
Riverbank House, Bideford, Devon EX39 2QG

## Reporting Period

1st April 2020 to 31st March 2021

## Reasons for Change in Emissions

This is the first year that an organisational greenhouse gas (GHG) footprint has been undertaken for the organisation following this method. Future annual updates will include a running commentary of the key drivers for changes in GHG emissions in this section.

## Quantification and Reporting Methodology

The quantification of emissions has been undertaken in accordance with Chapter 3 of *HM Government 2019, Environmental Reporting Guidelines: Including streamlined energy and carbon reporting guidance*<sup>1</sup>.

The *2020 UK Government GHG Conversion Factors for Company Reporting (version 1.01)* were used in the calculations<sup>2</sup>.

## Organisational Boundary

The financial control approach has been used.

## Operational Scopes

Scopes 1, 2 and certain Scope 3 emissions (as described in the detailed inventory) have been measured in metric tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e).

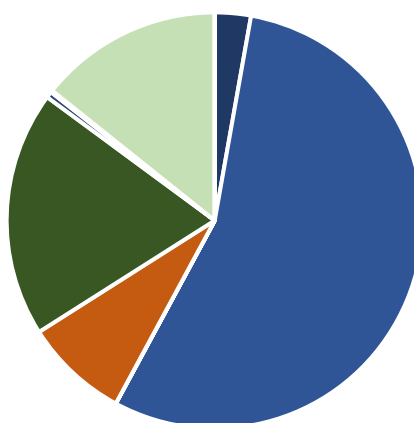
## Summary Inventory

Emissions by scope measured in tCO<sub>2</sub>e are shown in the inventory and graph below.

**Total gross emissions in 2020/2021 were.**

No. Category	2020/21
<b>SCOPE 1: Direct GHG emissions and removals</b>	<b>2243.2</b>
1. Stationary combustion	108.5
2. Owned transport	2134.8
3. Process emissions	0.0
4. Fugitive emissions	0.0
<b>SCOPE 2: Energy GHG indirect emissions</b>	<b>314.4</b>
5. Electricity	314.4
<b>SCOPE 3: Other indirect GHG emissions</b>	<b>2555.4</b>
6. Purchased material and fuel	735.3
7. Transport related activities	18.6
8. Waste disposal	5.8
9. Leased assets and franchising, outsourcing	552.9
10. Sold Goods and Services	0.0
<b>TOTAL GROSS FOOTPRINT (SCOPES 1, 2 and 3)</b>	<b>3875.1</b>
11. Offset Emissions	0.0
<b>TOTAL NET FOOTPRINT (SCOPES 1, 2 and 3 and Offsets)</b>	<b>3875.1</b>

**2020/2021 GHG Emissions by Category**  
(Scope 1 = blue, Scope 2 = red, Scope 3 = green)



- 1. Stationary combustion
- 2. Owned transport
- 3. Process emissions
- 4. Fugitive emissions
- 5. Electricity
- 6. Purchased material and fuel
- 7. Transport related activities
- 8. Waste disposal
- 9. Leased assets and franchising, outsourcing
- 10. Sold Goods and Services

## **Base Year**

The base year is taken as this year, namely 2020/2021. Subsequent years will report progress against the base year.

***Impact of the Covid-19 pandemic lockdown restrictions.*** On 23 March 2020 the UK government ordered everyone to stay at home as a response to the Covid-19 pandemic. Other than essential workers all UK residents were restricted to their homes, excepting the purchase of food, or essential trips, such as attending to medical needs. Children were home-schooled, many people worked from home, whilst many more were furloughed. Restrictions were eased during Summer 2020, but a second lockdown was issued on 31 October 2020 in England, then eased again over Christmas 2020, with a third lockdown being issued on 6 January 2021 in England. Full restrictions were lifted on 19 July 2021. To date, many people continue to work from home. The impact of this will have been a significant drop in carbon emissions for this period. For example, staff travel for business is very low compared to previous years. We understand this is an extraordinary reporting period, and that it's likely that we will see an increase in carbon emissions in the next year.

## **Targets**

Torridge District Council has committed to achieving net zero emissions by 2030.

## **Intensity Measurement**

Emissions have been quoted in absolute terms only.

## **External Assurance Standard**

None.

## **Carbon Offsets**

No carbon credits have been purchased.

## **Detailed Inventory**

Emissions by type and in detail measured in tCO<sub>2</sub>e are shown in the inventory below.

### **Scope 1**

Scope 1 includes four emission categories. The assumptions made for each of these were as follows:

1. Stationary Combustion: Emissions associated with combustion of fuels in stationary equipment (typically boilers in buildings). This includes owned buildings including leased out buildings where the Council have responsibility for maintenance. Data was available for a number of sites in terms of fuel use (in kWh for gas, oil and biomass).
2. Emissions associated with mobile equipment, typically transport equipment e.g. waste collection vehicles, maintenance vans, LA owned cars etc. The calculation is based on distance travelled, and type and size of vehicle.
3. Process Emissions: Waste collection is part of the Council's obligations – those emissions are included within transport based emissions (2. Owned Transport). Waste

processing is a function of upper tier authorities and so are out of scope for second tier authorities. There are no other process emissions.

4. Fugitive Emissions: Emissions associated with refrigerant leaks from cooling equipment. No information was available.

The results are shown in the Table below.

No. Category		2020/21
<b>SCOPE 1: Direct GHG emissions and removals</b>		<b>2243.2</b>
<i>1. Stationary combustion</i>		<i>108.5</i>
1	Bideford Town Hall	25.5
1	Riverbank House	21.6
1	Bridge Buildings	20.5
1	Cromlech House	11.3
1	Appledore Fish Dock Hubbastone Rd Oil	8.4
1	Barton Tors	8.2
1	Westcombe Depot	6.9
1	Windmill Lane	6.0
1	Caddsdow Biomass (N2O and CH4)	0.0
1	26 High Street	0.0
<i>2. Owned transport</i>		<i>2134.8</i>
2	Operational Services - Diesel HGV Rigid 3.5-7.5 t	324.6
2	Operational Services - Diesel HGV Rigid >7.5-17t	120.1
2	Operational Services - Diesel HGV Rigid >7.5-17t	667.2
2	Operational Services - Diesel HGV Rigid >17.5t	805.6
2	Operational Services - Diesel Van class II	163.7
2	Operational Services - Diesel Van class III	34.2
2	Operational Services - Petrol Van class III	11.5
2	Estates Diesel Van class I	5.9
2	Public Health and Housing Diesel Van class I	2.0
<i>3. Process emissions</i>		<i>0.0</i>
3	Not Applicable	0.0
<i>4. Fugitive emissions</i>		<i>0.0</i>
4	Not Applicable	0.0

## Scope 2

Scope 2 includes one emission category. The assumptions made were as follows:

5. Electricity: Emissions associated with purchased electricity. This includes owned buildings including leased out buildings where the Council has responsibility for maintenance. Data was available for a number of sites as kWh consumption.

The results are shown in the Table below.

No. Category		2020/21
<b>SCOPE 2: Energy GHG indirect emissions</b>		<b>314.4</b>
<i>5. Electricity</i>		<i>314.4</i>
5	Burton Art Gallery & Museum	43.7
5	Riverbank House	43.7
5	Appledore Fishdock Block B	43.1
5	Caddsdwn Business Support Centre	27.9
5	Appledore Fishdock Block A	18.7
5	Unmetered Public Lighting	14.4
5	Bridge Buildings	8.1
5	Caddisdown Farm Units	7.6
5	Manor Offices Holsworthy	6.9
5	Unmetered Public Lighting	6.8
5	Unit 15 Caddsdwn	6.1
5	Manor Offices	5.9
5	Westcombe Depot	0.0
5	Westcombe Depot	5.8
5	Unit 12 Tamar Units	5.3
5	CCTV cameras	4.1
5	Holsworthy Pannier Market	4.1
5	Town Hall	3.6
5	Barton House Hostel	3.5
5	26 High Street	3.4
5	Victoria Park Greenhouses	3.4
5	Torrington Pannier Market Hall Entrance	3.2
5	Windmill Lane Office	3.0
5	4 The Square Holsworthy	2.5
5	Cromlech Hostel	2.3
5	Victoria Park Paddling Pool	2.2
5	Manor Offices Holsworthy	2.2
5	5 Hubbastone Road	2.1
5	Northam Burrows Visitor Centre	2.1
5	School Lane Depot	2.0
5	Bideford Quay Facility	1.7
5	Windmill Lane Office	1.6
5	Unmetered Pay and Displays meters	1.5
5	Middle Dock	1.4
5	Victoria Park Amenity Building	1.3
5	Manor Workshops Holsworthy	1.3
5	Sports Ground Changing Rooms	1.3
5	North Road Toilets & Bus Shelter	1.3

No.

**SCOPE 2: Energy GHG indirect emissions**

*5. Electricity*

5	Coastguard Building	1.0
5	Churchfields Toilets Appledore	1.0
5	Pollyfield Changing Rooms	1.0
5	Unmetered Public Lighting	1.0
5	Torrington Pannier Market	0.7
5	Pipers Yard Depot	0.6
5	Torrington Cemetery	0.5
5	Windmill Lane Office	0.4
5	Victoria Park Cricket Pavilion	0.4
5	Sportsground Changing Rooms	0.4
5	Torrington Pannier Market Museum Entrance Lobby	0.3
5	Village Green Westward Ho Toilets	0.3
5	South Street Toilets	0.3
5	Torrington Commons Toilets	0.3
5	Sportsground Lighting	0.2
5	Merley Road Toilets	0.2
5	Stoke Toilets	0.2
5	Bradworthy Toilets	0.2
5	Halwill Toilets	0.1
5	Ladies Toilets Bideford Market Place	0.1
5	Hartland Toilets	0.1
5	Black Torrington Toilets	0.1
5	Winkleigh Toilets	0.1
5	Brunswick Wharf	0.0
5	Bideford Cemetery	0.0
5	Westward Ho Entertainment Unit	0.0
5	Mens Toilets Bideford Market Place	0.0
5	Entertainment Pillar 2 - Jubilee Square	0.0
5	9-10 TDC Units	0.0
5	Entertainment Pillar 1 - Jubilee Square	0.0
5	2A TDC Units	0.0
5	Westcombe Depot	0.0

### Scope 3

Scope 3 includes five emission categories. The assumptions made for each of these were as follows:

Purchased material and fuel: Information taken from invoices and spend was allocated to a SIC product category and goods or service. Only product categories where spend was on goods are included. Well to Tank (WTT) emissions from fuels and processes were calculated from all the other sections in the inventory with the exception of sections 3, 4, 8, 9 and 10.

7. Transport related activities: Emissions from grey fleet, business travel and commuting. Grey fleet emissions (where cars are owned by employees and costs claimed back via expenses) were calculated based on mileage claims, and the size of car and type of fuel used. There was no business travel by rail, air or road (hire car) in the reporting period. Commuting emissions were not included as this data is not captured.

Waste disposal: Emissions associated with disposal of the Council's own waste e.g. from its offices (as opposed to waste produced by constituents). Data on water treatment was calculated on the basis of South West Water's 5% Non Return to Sewer Allowance. I.e, 95% of water supplied is considered to return to sewers. No information was available regarding other waste production and so these emissions have been excluded from the footprint.

9. Leased assets and franchising, outsourcing: Information taken from invoices and spend was allocated to a SIC product category and goods or service. Only product categories where spend was on services are included.

10. Sold goods and services: No sold goods or services were identified.

The results are shown in the Table below.

<b>SCOPE 3: Other indirect GHG emissions</b>		<b>1312.6</b>
<i>6. Purchased material and fuel</i>		<i>735.3</i>
6	WTT Emissions	520.3
6	Water supply	3.0
6	Procured goods	212.0
<i>7. Transport related activities</i>		<i>18.6</i>
7	Diesel, small car	5.1
7	Diesel, medium car	2.4
7	Diesel, large car	4.8
7	Petrol, small car	4.6
7	Petrol, medium car	1.3
7	Petrol, large car	0.5
<i>8. Waste disposal</i>		<i>5.8</i>
8	Wastewater	5.8
<i>9. Leased assets and franchising, outsourcing</i>		<i>552.9</i>
9	Procured services	552.9
<i>10. Sold Goods and Services</i>		<i>0.0</i>
10	Not Applicable	0.0

## Net Footprint

As well as the headline gross footprint, the net footprint can be reported as a secondary output. This can include reductions in GHG emissions associated with the generation of renewable energy, and the purchase of carbon offsets.

Torridge District Council generate renewable energy at two sites: Riverbank House and Caddsdwn Business Centre.

Due to lockdown, meter readings are only available for Q1-Q3 of 2020/2021. In those 9 months, Riverbank exported 11, 878 kWh of renewable energy, and Caddsdwn 8537 kWh.

NB still waiting for ofgem to confirm REGOs