



Cabinet Office

Carbon Reduction Plan

Supplier name: Tilbury Douglas

Publication date: 17 June 2024

Commitment to achieving Net Zero

Tilbury Douglas is committed to becoming a Net Zero business by 2040.

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: 2019

Additional details relating to the Baseline Emissions calculations.

Tilbury Douglas has established 2019 as its baseline year.

Historical reporting for Scope 3 emissions has been limited to business travel, employee commuting, waste to landfill and electricity transmission and distribution. The Scope 3 categories required by the PPN 06/21 have been updated and included in both the baseline year, 2019, and latest recording year, 2023.

Category 9 of the GHG Protocol does not apply to Tilbury Douglas.

Tilbury Douglas' emissions have been broken down and calculated as below:

Scope 1: All DEFRA UK Government GHG Conversion Factors

- Company car business travel (Litres of diesel and petrol)
- On-site diesel use (Litres of gas oil)
- Gas (kWh)

Scope 2: All DEFRA UK Government GHG Conversion Factors

- Electricity (kWh)
- Heating

Scope 3: All DEFRA UK Government GHG Conversion Factors (except Category 4)

- Electricity T&D (kWh)
- Employee commuting (Litres of diesel and petrol)
- Mileage from expense system (mileage)
- Travel from rail, taxi and air (km)
- Waste to landfill, reused and recycled (tonnes)
- Water and wastewater (m3)
- Transportation and distribution of products purchased (£ spend – calculated with an EEIO posted on the GHG Protocol website)

Baseline year emissions: 20,865

EMISSIONS	TOTAL (tCO ₂ e)
	<u>20,865</u>
Scope 1	3,992
Scope 2	827
Scope 3 (Included Sources)	Category 4 – 12,803 Category 5 – 400 Category 6 & 7 – 2,766 Category 9 – Not Applicable – we do not transport or distribute products from our services. Water/Wastewater – 7 T&D Electricity – 70 Total: 16,046
Total Emissions	<u>20,865</u>

Current Emissions Reporting

<u>Reporting Year: 2023</u>	
EMISSIONS	TOTAL (tCO ₂ e)
	<u>19,109</u>
Scope 1	1,784
Scope 2	543
Scope 3 (Included Sources)	Category 4 – 16,155 Category 5 – 98 Category 6 & 7 – 361 Category 9 – Not Applicable – we do not transport or distribute products from our services. Water/Wastewater – 121 T&D Electricity – 47 Total: 16,782
Total Emissions	<u>19,109</u>

Emissions reduction targets

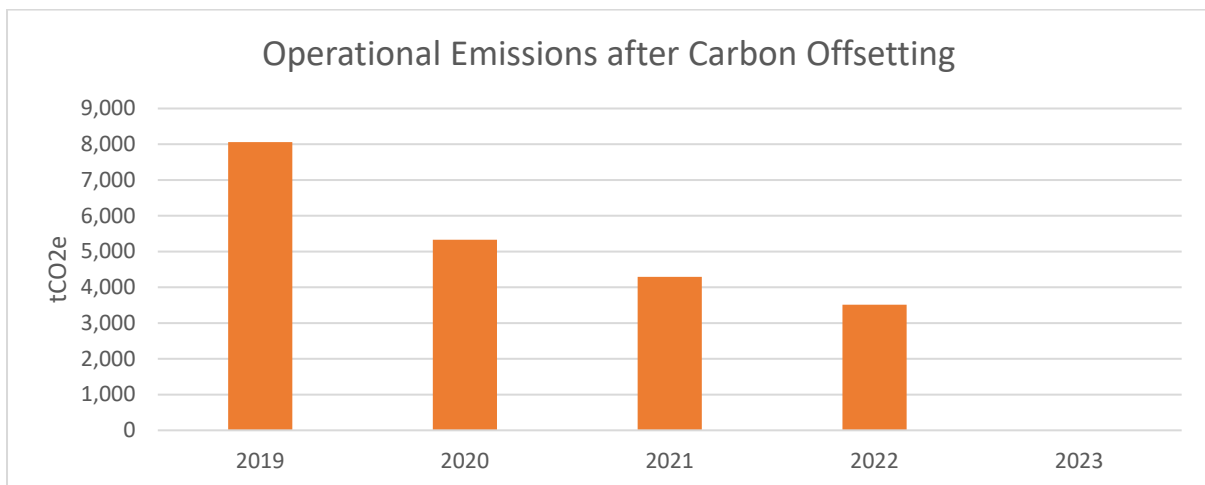
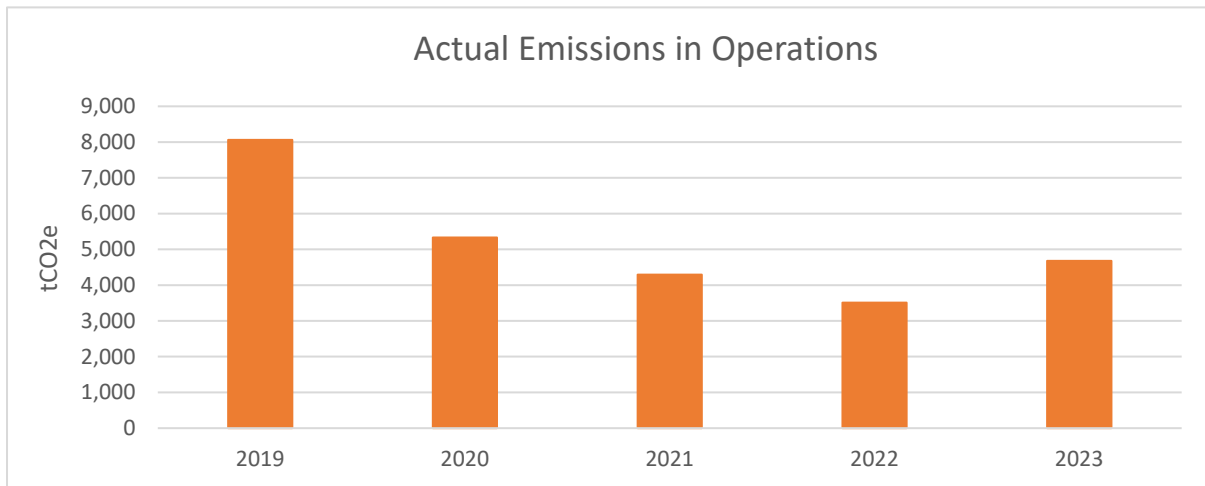
Tilbury Douglas adopts an operational control consolidation approach to account for our carbon emissions. This organisational boundary has been set with reference to the methodology described in the GHG Protocol and ISO 14064-1:2018 standard. Tilbury Douglas emission targets are based on the emissions reported through the Carbon Reduce scheme. This excludes Scope 3 emissions related to Category 4 and waste emissions from waste diverted from landfill.

Tilbury Douglas has committed to being:

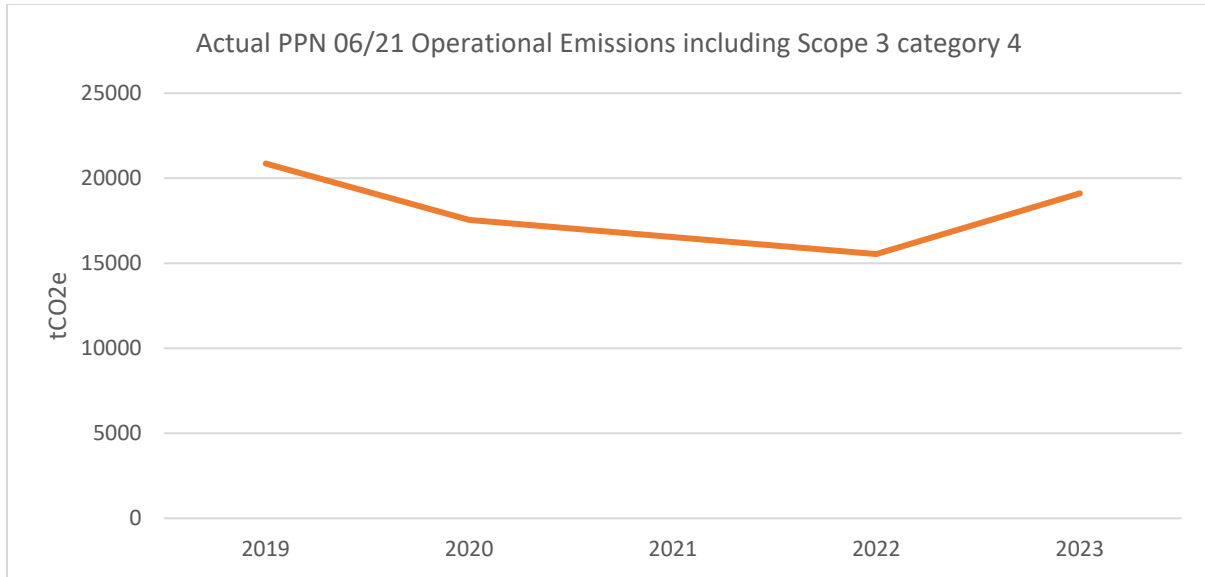
- Carbon Neutral in its operations by the end of 2023 taking into accounts Scope 1, Scope 2 and operational Scope 3 emissions. This was successfully achieved by offsetting its operational emissions via credible renewable energy projects within a commonwealth country, which is verified by VERRA. The carbon Zero certification was issued by Achilles Carbon Management Solution. This organisation is the world's biggest certifier of voluntary carbon offsets and uses a globally recognised and verified carbon standard.
- A net zero organisation by 2040, including the wider Scope 3 emissions from the supply chain and end-users.

Due to increased business activities during 2023 and an improved data collection methodology, the emission levels for 2022 of 3,099 tCO₂e, increased to 4,677 tCO₂e in 2023. As the industry is new to GHG accounting, constant improvements in data collection processes and methodologies are to be expected.

The graphs below illustrate our operational carbon emissions since 2019 before and after offsetting in 2023.

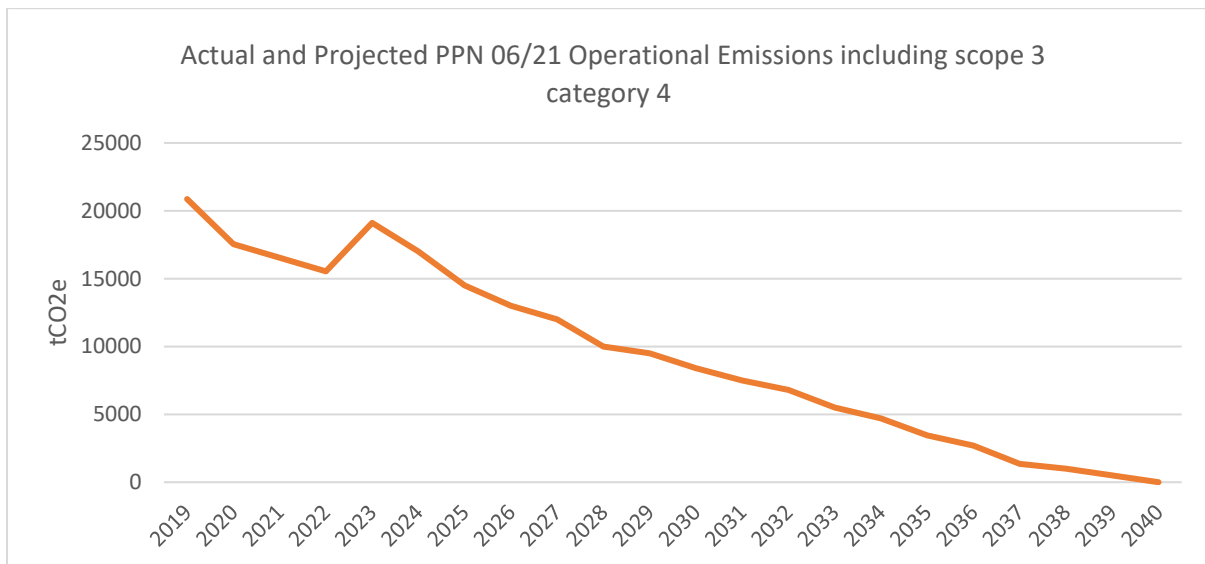


*The above graph excludes emissions arising from Scope 3 Category 4 and waste emissions from waste diverted from landfill.



Actual emissions

*The above graph includes Scope 3 Category 4 emissions currently calculated under PPN 06/21.

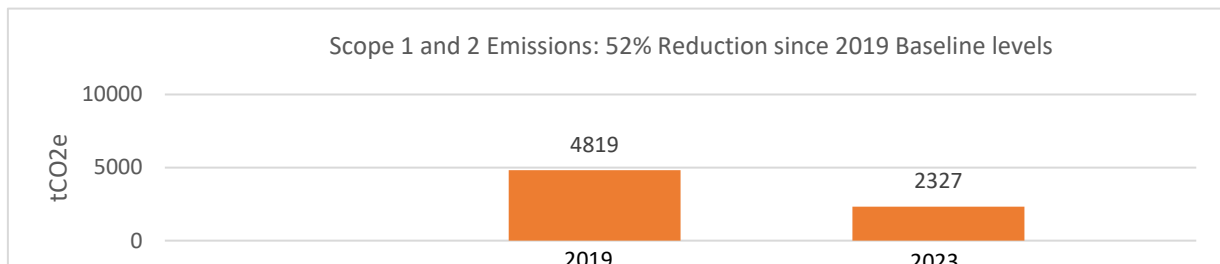


Actual and projected emissions

*The graph above shows actual and projected emissions reducing to the anticipated net zero status in 2040.

Carbon Reduction Approach and Strategies

Even though our activity has increased, changes in our business practices have resulted in our 2023 Scope 1 and 2 emissions being 52% lower than the 2019 baseline, verified in our Carbon Reduce Certification.



Our strategy identifies how we will meet our targets through the reduction of carbon emissions arising from permanent sites, construction sites, business travel, water consumption, office waste and construction waste. This is supported through Tilbury Douglas' annual certification to ISO14001 and completing the carbon audit using the ISO14064-1 standard.

In 2023, Tilbury Douglas continued its flexible working policy, allowing for a better work-life balance for employees and keeping business and commuting miles to a minimum. We have extended our support for this strategy, by encouraging staff to also take public transportation when safe and make use of cycle-to-work and car share schemes as appropriate.

The table below identifies the carbon reduction initiatives that are in place or will begin shortly at Tilbury Douglas to help reduce its operational carbon emissions.

Business Fleet

- Review of a new green fleet scheme, with 160 staff transitioning to electric and hybrid vehicles at the end of 2023.
- Updating infrastructure to include electric charging points across the Tilbury Douglas estate and temporary sites, where possible.
- Encourage alternative modes of transportation, including public transportation, cycle to work scheme, and carsharing.

Construction Site

- Transition to more efficient site accommodation.
- Switch from red and white diesel to mandated HVO fuel on all sites.
- Encourage innovative technologies and diesel alternatives on site.

Electricity

- Tilbury Douglas estate on green tariff.
- Working towards green tariff on sites where we are responsible for electricity and encouraging the use of a green tariff where we are not responsible.
- Using the most energy efficient equipment in offices and construction sites.

Flexible Working

- Flexible working policy.
- Encourage reduction in business travel.

Tilbury Douglas will be working with its supply chain to reduce wider scope 3 emissions supported by the Supply Chain Sustainability School and our robust supply chain strategy.

Tilbury Douglas is also helping its clients achieve net zero through sustainable building, with a focus on providing lower whole life carbon designs. This is being done through whole life

carbon and whole life cost assessments, Modern Methods of Construction and Digital Technology.

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 reporting](#)². Where conversion factors were unavailable, EIO³ conversion factors were used keeping within the requirements of the GHG Protocol.

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) Standard⁴.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors.

Signed on behalf of the Supplier:



Mark Buckle – Technical Director

Date: 17 June 2024.

¹ <https://ghgprotocol.org/corporate-standard>

² <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³ [Supply Chain Greenhouse Gas Emission Factors for US Industries and Commodities \(epa.gov\)](#)

⁴ <https://ghgprotocol.org/standards/scope-3-standard>