



Cabinet Office

Carbon Reduction Plan

Supplier name: Tilbury Douglas

Publication date: 1st December 2023

Commitment to achieving Net Zero

Tilbury Douglas is committed to achieving Net Zero emissions 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, 2020.

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)

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 (tCO₂e)
	20,865
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	20,865

Current Emissions Reporting

Reporting Year: 2022	
EMISSIONS	TOTAL (tCO₂e)
	15,540
Scope 1	1,430

Scope 2	475
Scope 3 (Included Sources)	Category 4 – 12,028 Category 5 – 421 Category 6 & 7 – 1,141 Category 9 – Not Applicable – we do not transport or distribute products from our services Water/Wastewater – 2 T&D Electricity – 43 Total: 13,635
Total Emissions	15,540

Emissions reduction targets

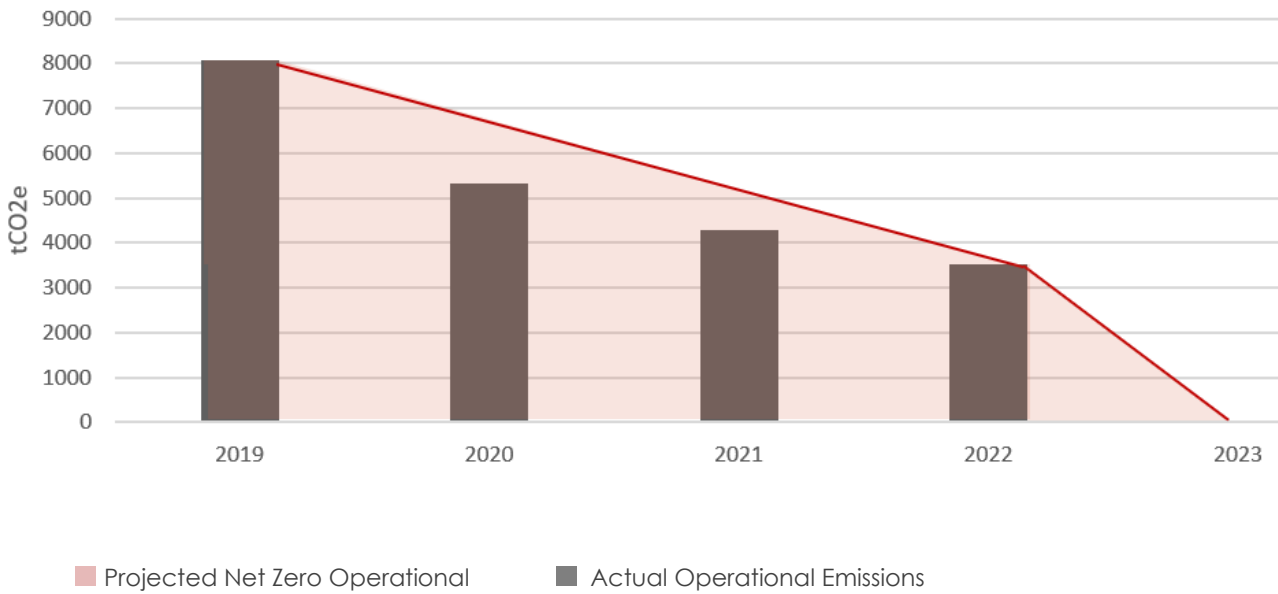
Tilbury Douglas takes an operational control consolidation approach to account for our carbon emissions. This organisational boundary has been set with reference to the methodology described in the GHG Protocol and ISO 14064-1:2018 standard. Tilbury Douglas emission targets are based on the emissions 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 is committed to being:

- By the end of 2023 Tilbury Douglas will be net zero in its own operations. This includes Scope 1, Scope 2 and operational Scope 3 emissions.
- By 2040 Tilbury Douglas will be net zero, including wider Scope 3 emissions from the supply chain and end-users.

Progress against these targets can be seen in the graphs below:

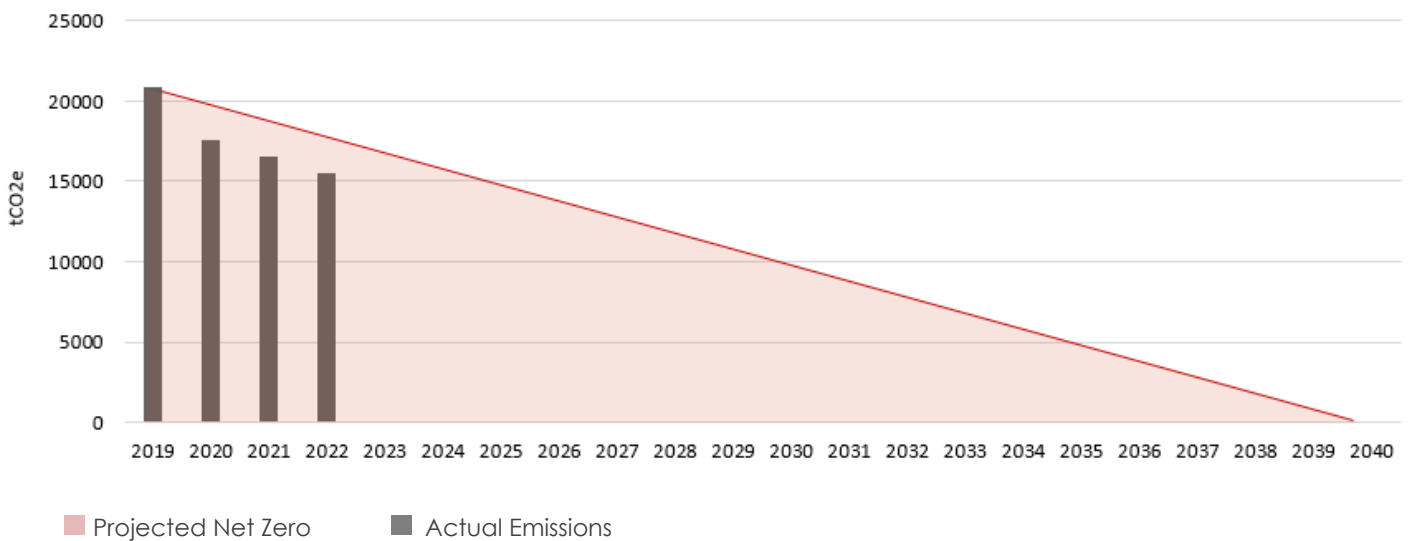
Net Zero in Operations Projected vs Actual



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

By the end of 2023 Tilbury Douglas will be net zero in its own operations through offsetting.

Net Zero PPN 06/21 Wider Scope 3 Projected vs Actual



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

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

Environmental management measures and projects that have been completed or implemented since our 2019 baseline are set out below. The carbon emission reduction achieved through the change in business practices is 4,550 tCO₂e, a 56% reduction against the 2019 baseline, as recorded on our Carbon Reduce Certification.

Tilbury Douglas environmental management measures are set out in our sustainability strategy "People Planet Performance" (PPP). PPP includes measures to meet our targets through the reduction of carbon emissions arising from permanent sites, construction sites, business travel, water consumption, office waste and construction waste. PPP is supported through our annual certification to ISO14001 and our ISO14064-1 compliant measurement approach.

In 2022, we continued our 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 below table 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, transitioning to electric and hybrid vehicles
- 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 diesel to 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

Flexible Working

- Introduction of flexible working policy
- Encourage reduction in business travel

We will continue to work with our supply chain to reduce emissions, supported by the Supply Chain Sustainability School.

We are also helping our customers to be net zero through sustainable buildings, with a focus on providing net zero and lower carbon designs. This is being done through the utilisation of life cycle 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 reporting². Where conversion factors were unavailable, EEIO³ 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: 1st December 2023

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 \(epa.gov\)](https://www.epa.gov/supply-chain-greenhouse-gas-emission-factors-for-us-industries-and-commodities)

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