

Carbon Reduction Plan

FW Thorpe PLC - 2023

FW THORPE PLC



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Overview

FW Thorpe PLC aims to achieve net-zero Scope 1, 2 and 3 emissions by 2040 from an FY20-21 base year.

Document Purpose

Our reduction plan is presented in response to the recent Procurement Policy Note (PPN) 06/21 and provides transparency and demonstrates our progress towards building a robust carbon reduction programme.

To achieve net-zero we are aiming for an at least 90% reduction in absolute emissions compared to our base year – any residual emissions will be offset with carbon sequestration offsets, as per the Science-Based Targets Initiative's Net-Zero Standard guidance.

Our Scope 2 emission target will be reported using a market-based methodology.

FW Thorpe has committed to have its Science-aligned near-term and net-zero targets validated by the Science-Based Target Initiative in FY23-24.

Short-term Targets

On the journey to net-zero, FW Thorpe commits to the following Science-aligned near-term targets:

FW Thorpe commits to reduce Scope 1 and 2 emissions by 42% by 2030 from an FY20-21 base year.

FW Thorpe also commits to reduce Scope 3 emissions per £ million revenue 51.6% by 2030 from an FY20-21 base-year.

FY22-23 Emissions

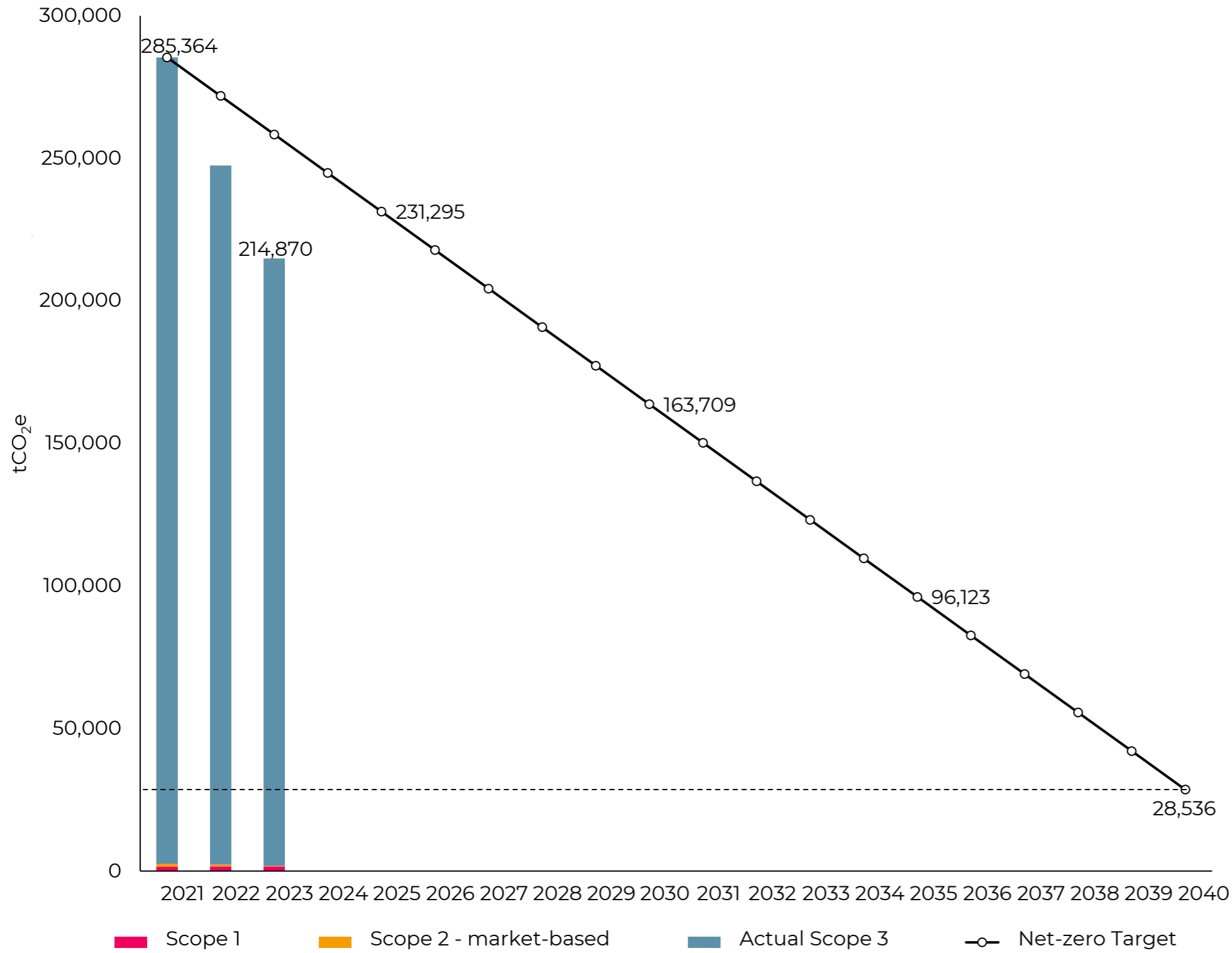
Scope 1, 2 and 3 – FY22-23 (1st July 2022 – 30th June 2023)

Additional Details relating to the Baseline Emissions calculations.

The GHG emissions scope boundary, used to calculate our FY22-23 emissions, was determined via an operational control model following the GHG protocol. This includes all Scope 1 and 2 emissions in accordance with SECR requirements. Scope 3 emissions have been calculated as per the Greenhouse Gas Protocol Corporate Value Chain (Scope 3) Standard Guidance.

Emissions	Source	tCO ₂ e
Scope 1	Direct	1,586
Scope 2	Indirect	213 (market-based)
Scope 3	Total Value Chain	213,071
	1: Purchased Goods and Services	32,452
	2. Capital goods	2,222
	3. Fuel-related emissions	571
	4. Upstream Transportation and Distribution	2,780
	5. Waste generated in operations	100
	6. Business travel	379
	7. Employee commuting	1,063
	8. Upstream leased assets	278
	9. Downstream Transportation and Distribution	12
	10. Processing of sold products	N/A (only finished products sold)
	11. Use of sold products	166,714
	12. End-of-life treatment of sold products	29
	13. Downstream leased assets	N/A (no downstream leased assets)
	14. Franchises	N/A (no franchises)
15. Investments	4,449	
Total Emissions		214,870 (market-based)

Net-zero Target



Net-zero Scope 1, 2 and 3 emissions by 2040, in line with net-zero across the value chain.

I: Declaration & 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 standard⁵ and uses the appropriate [Government emission conversion factors for greenhouse gas company reporting](#)⁶.

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard⁷.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed on behalf of the Supplier:

Name: **Mike Allcock**

Role: **Chairman and Joint Chief Executive**

Signature: 

Date: **26th October 2023**

II: Reporting Methodology

Scope 1 and 2 greenhouse gas emissions have been calculated according to the 2019 UK Government environmental reporting guidance. Consistent with the guidance, relevant emissions factors published in the UK Government's Department for Business, Energy and Industrial Strategy (BEIS) "Greenhouse gas reporting: conversion factors" database-specific reporting year have been used. The CO₂ equivalent conversion factor has been used throughout and, where applicable, the kWh gross calorific value (CV) was used.

Scope 1 and 2 emissions have been calculated using both a location-based and market-based approach:

- **Location-Based:** This method calculates emissions associated with fuel and electricity consumption by using UK average emissions intensities. BEIS provides UK emissions factors for fuel and grid electricity annually, which are used in location-based reporting.
- **Market-Based:** This method calculates emissions associated with fuel and electricity consumption by using contract-specific emissions intensities. Market-based reporting enables companies that purchase lower carbon fuel and electricity to demonstrate the benefit of their investment.

Transport-related emissions from fuel combustion were calculated using the BEIS "Greenhouse gas reporting: conversion factors" database. Scope 3 emissions have been calculated based on the guidance in the Greenhouse Gas Protocol "Corporate Value Chain (Scope 3) Standard".

For all operations, applicable Scope 3 categories were identified based on an operational control boundary. Scope 3 emissions for applicable categories were calculated following methodologies outlined in the GHG Protocol "Technical Guidance for Calculating Scope 3 Emissions", with further guidance taken from the GHG Protocol's detailed methodology chapters for each applicable Scope 3 category.

Most conversion factors were sourced from the BEIS Greenhouse gas reporting: conversion factors, v1.0 2023 database. Where a spend-based approach was used, as per the GHG Protocol guidance, conversion factors were taken from the University of Leeds and the Department for Environment, Food and Rural Affairs' UK Footprint Results (1990 – 2018)' study or the Department for Environment, Food and Rural Affairs' Indirect emissions for the supply chain' database. Scope 3 emissions include Well to Tank and T&D losses.



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