

Carbon Reduction Plan



Turner & Townsend

making the **difference**



Commitment to net zero

"We are determined to shape a better built environment for future generations. Building good environmental management into our standard operating procedures gives us a strong foundation for both improving the environmental stewardship of our own operations and supporting our clients to achieve their environmental objectives."

Vincent Clancy, Chief Executive Officer

Our commitment

We are committed to achieving net zero emissions by 2030.

Our strategy is based on climate models and practical action to ensure we contribute to the low carbon transition. We have followed guidance from the Intergovernmental Panel on Climate Change (IPCC) and have had our reduction targets and route-map verified by the Science-based Target initiative (SBTi).

We have a verified strategy in line with the UN's 'Race to Net Zero' campaign but are committed to continued review and strengthening the pace and scale of our net zero ambitions.

Base year emissions footprint

What are Turner & Townsend's base year emissions?

Base year 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. This provides the reference point against which emissions reduction can be measured.

Our net-zero strategy – NewLeaf – is a wholistic strategy which encompasses our net-zero ambitions and addresses actions, targets, management and collective responsibility for reduction of our total GHG emissions.

The assessments undertaken for our FY 2018/19 base year did not include a detailed breakdown by category for global emissions.

As such, we are unable to record detailed analysis per all scope 3 categories. We recognise the limitations of this, and our approach has changed considerably since this base year analysis to reflect the need for greater insight and disclosure.

Our NewLeaf strategy is under constant review to improve our data collection, reporting accuracy and ultimately, to provide confidence and clarity in our decarbonisation journey.

Total emissions for our corporate operations by source and scope are highlighted below. The NewLeaf strategy complements our industry leading market services to accelerate our clients' own decarbonisation goals.



Base year emissions footprint – Scope focus

2018/2019 base year data

Base Year: FY 2018/19*	
Baseline year emissions	
Emissions	Total (tCO ₂ e)
Scope 1	2,431
Scope 2	1,886
Scope 3	48,634
Total Emissions	52,951

* Financial year runs from May - April

Current emissions reporting

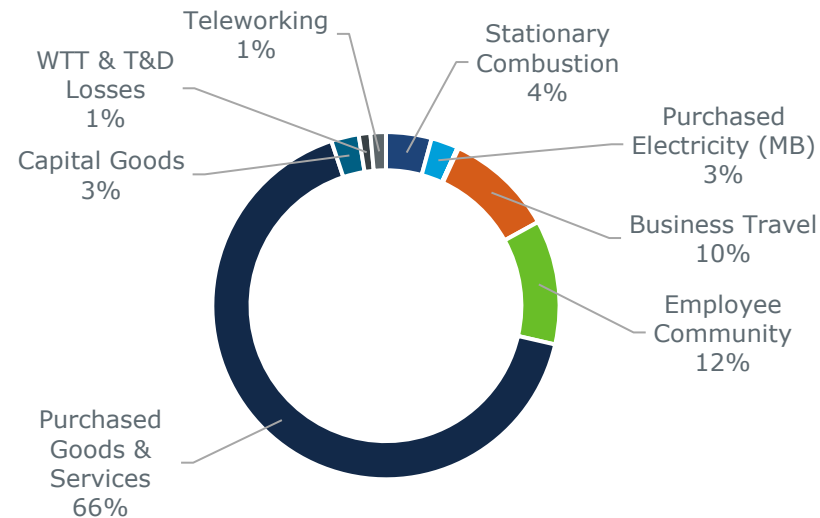
What are Turner & Townsend's latest reporting year emissions?

Reporting Year: 21/22*	
Our emissions have been restated for the previous three years, based on:	
<ul style="list-style-type: none">▪ Updated supplier lists enabling a more accurate reflection of our Scope 3.1 purchased goods and service emissions▪ Increased accuracy in natural gas consumption data informing emission calculations▪ A revised approach to extrapolating the baseline employee commuting survey in line with subsequent years	
Baseline year emissions	
Emissions	Total (tCO ² e)
Scope 1	2,317
Scope 2	1,371
Scope 3 (included sources)	50,584
Total Emissions	54,272
Summary	
<ul style="list-style-type: none">▪ Scope 1 and 2 emissions have decreased by 15 percent,▪ Scope 3 emissions have increased by 4 percent▪ Overall emissions increasing by 2 percent since setting the FY18/19 base year footprint.▪ Significant increases in emissions in comparison with FY20/21 are being driven by increases in business travel, client site visits and purchased goods and services.	

May 2021 – April 2022 emissions reporting – Scope focus

Scope 1 and 2 emissions

Category	tCO ₂ e	Percentage
Stationary combustion	2,304.21	4.2%
Purchased electricity	1,371	2.5%
Mobile combustion	13.11	0.0%



Scope 3 emissions

Category	tCO ₂ e	Percentage
1. Purchased goods and services	35,989.32	66.3%
2. Capital goods	1,397.73	2.6%
3. Fuel and energy related activities (inc. WTT and T&D losses)	588.84	1.1%
4. Upstream transportation and distribution*	N/A	N/A
5. Waste generated in operations	55.06	0.1%
6. Business travel	5,479.94	16.0%
7. Employee commuting	6,294.10	4.5%
7a. Teleworking	779	1.4%
9. Downstream transportation and distribution**	N/A	N/A

*Upstream and transportation services (courier activities etc. are included in Purchased Goods & Services

** Downstream transportation & distribution is not relevant as we do not produce goods that require distribution

Emissions reduction targets

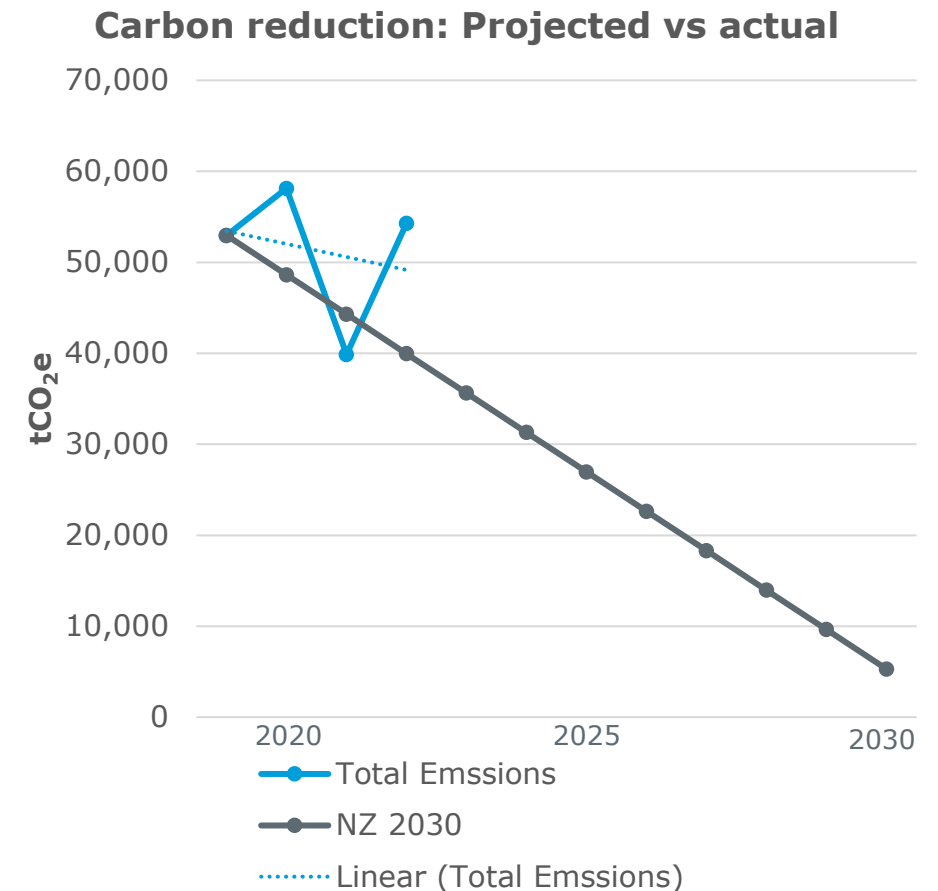
In order to continue our progress to achieving net zero, we have adopted the following, short term, carbon reduction targets.

- Reduce Scope 1 and 2 GHG emissions by 4.2 percent/annum and by 50 percent by 2030
- Transition to 80 percent renewable energy by 2025
- Improve energy efficiency and consumption in our offices by 75 percent per FTE by 2030
- Reduce Scope 3 emissions across our value chain by at least 1 percent annually
- Reduce business travel emissions per employee by 8.7 percent by 2025

We recognise that the current performance is inconsistent and off target, hence we are in the process of developing a new strategy in-house to address this.

We are now taking the time to re-base our targets in response to the updated guidance issued by the Science Based Targets initiative, with a significant action-driven roadmap.

However, when considering the scope of emissions set out in the base year, we have reduced scope 1 and 2 emissions by 15 percent.



Carbon reduction projects

Science based targets

In accordance with the SBTi guidance available at that time, we set science-based targets, aligned to climate models and commit to reduce absolute scope 1 and 2 emissions 50 percent by FY30/31 from a FY18/19 base year aligned to a 1.5°C change in temperatures. We are also committed to reducing absolute scope 3 emissions by 15 percent within the same timeframe. While we will be setting targets using data representative of our past and current footprint, we are now taking the opportunity to re-base our targets in response to the updated guidance issued by the Science Based Targets initiative.

Up to date achievements

- Reducing our emissions per employee by 54 percent since FY14/15
- Achieved ISO14001 accreditations in 33 offices
- Reduced mobile combustion emissions by 94.9 percent
- Reduced emissions from purchased electricity by 22.5 percent
- Reduced purchased goods and services emissions by 5.7 percent
- Reduced business travel emissions by 30.4 percent
- Signing up to the United Nation's (UN) 'Race to Net Zero' & 'World Green Building Council Net Zero Carbon Buildings' commitments

Carbon reduction projects

Project specific interventions

The following are examples of environmental management measures and projects that have been implemented during the reporting year. These measures have resulted in positive decarbonisation at varying scales, where we have prioritised interventions at strategic locations to maximise impact and learning.

- **LED lighting replacement programme:** Replacing expired compact fluorescent and T5 fluorescent tube lighting with LED fittings saved ~200,000kWh/annum at pilot sites through a combination direct energy savings and reduced requirement for like-for-like replacements where lux levels in new fittings also improved, in addition to being more efficient.
- **Removal of centralised catering facilities:** Prior to Covid-19, some offices had catering facilities that became redundant when new working practices and carbon saving measures were implemented. These facilities continue to provide light refreshment services but major items of equipment such as air handling units and extraction fans, have since been disconnected as they are not required. The savings vary, but are ~13,000kWh/annum from our largest office spaces with these facilities.
- **Renewable electricity purchasing:** There are three UK offices (London, Leeds and Nottingham) that now operate with 100 percent renewable energy supplies. These are a combination of owned and leased offices and are, alongside the above examples, showcases of working with landlords to work collaboratively on decarbonisation schemes. Other offices are in the process of transferring suppliers or procuring green tariffs.
- **Site selection sustainability policies and guidance:** A suite of guidance has been established for our global office presence to promote occupying energy efficient office spaces with high sustainability standards. These policies are now established and provide vital criteria that must be adhered to when seeking office accommodation.
- **Embracing technology to remotely engage projects:** Alongside the hybrid and flexible working that everyone embraced during the Covid-19 restrictions that impacted our global business and movement, we invested in various digital solutions that allowed for improved collaboration and engagement, from remote locations. In addition to shared digital workplaces, this also included accelerating use of live-3D-building models and remote inspection video capabilities.

Carbon reduction projects

Proposed future projects

We, at Turner & Townsend, realise that the need for increased action is pressing and currently re-developing a quantified decarbonisation roadmap that sets out a series of regional action plans to deliver aggressive decarbonisation against our overall global roadmap. As such, we are developing hard-hitting projects, however whilst that process is being developed and tested, these are some of the interventions that we have planned to implement in the interim:

- Installing smart power bars and BMS systems that allow for time-programmed or manual control of power to desks out of office hours.
- Relaxing heating/cooling set points by +/-0.5°C in year on year to avoid shock changes to our internal working environments.
- Expanding the success of our plastic-free offices and introducing paper-free offices.
- Environmental Champions to be a localised voice to support change but to also provide spot-check audits and be a source of data collection to help identify trends and barriers.
- We will conduct a quarterly, or mid-year GHG inventory development. This will allow any issues regarding data completeness, consistency, accuracy or calculation methodologies to be captured and remedied for the continuation of the year, and well in advance of year end reporting cycles.
- We will develop and improve upon a robust set of internal documentation regarding GHG data collection and processes. Including: Basis of reporting, data validation policy and standard operation procedure.

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 standard and uses the appropriate Government emission conversion factors for greenhouse gas company reporting.

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) Standard.

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

Signed on behalf of Turner & Townsend:.......... Vincent Clancy - Chairman and Chief Executive Officer

Date: 21 April 2023