

# CARBON

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# TOUREEN GROUP

**THE TOUREEN GROUP IS A MULTIFACETED, AWARD WINNING CONSTRUCTION SERVICES ORGANISATION OPERATING THROUGHOUT THE UK.**

# OUR DIVISIONS

**CIVIL ENGINEERING & RC FRAMES**

A multi-faceted civil engineering and RC frame service working with some of the most prestigious clients and Tier One contractors in the industry.

**BASEMENTS**

A premier basement construction service with extensive experience and expertise of all forms of basement construction.

**NORTHERN HOME COUNTIES**

Strategically located in Bedfordshire to serve regional clients seeking demolition, groundworks and reinforced concrete frames.

**TOUREEN BUILD**

A turnkey build services to both new and existing clients that is perfectly placed to engineer, manage and control all the elements of a construction project.

**TOUREEN REMEDIATION**

A Industry leader in the regeneration & management of industrial land, offering a wide range of technologies, systems and ideas to clients.

**TOUREEN RETAIL**

A foremost contractor in the Petro Retail sphere, undertaking turnkey projects from inception to completion, including EV delivery/rollout and full build schemes, working on some of the largest EV charging stations in Europe.

**TILLEY & BARRETT**

Toureen Group's multi award winning demolition division. Established in 1951, and a member of the prestigious National Federation of Demolition Contractors, they are recognised for their expertise in demolition, engineering, decommissioning and dismantling.

**TOUREEN PLANT**

An in-house plant hire division with a sustainable fleet of equipment and machinery readily available to undertake all projects, enabling us to be cost efficient and provide better value to our clients.

**SOIL & WATER SOLUTIONS**

A licensed environmental waste management provider specialising in waste removal, waste recovery and materials management for the construction Industry, operating a number of waste disposal and materials recycling facilities.





**THIS PLAN FOCUSES ON THE REDUCTION OF OUR TOTAL GREENHOUSE GAS (GHG) EMISSIONS, OFTEN SIMPLIFIED TO JUST 'CARBON'.**

# CARBON REDUCTION PLAN



**THE BUILT ENVIRONMENT IN THE UK IS RESPONSIBLE FOR A SIGNIFICANT 25% \* OF THE COUNTRY'S TOTAL GREENHOUSE GAS EMISSIONS.**

Greenhouse gases are emitted at every stage of the construction and use cycle, starting from the production of materials, continuing through construction and maintenance, to eventual refurbishment and demolition.

The construction industry, by its very nature, contributes significantly to global greenhouse gas emissions and therefore the adverse effects of climate change. Yet, it also holds immense potential to lead and make significant global contributions in reducing carbon emissions.

Ultimately it is a journey and not a destination, therefore this plan will be kept up to date as our journey progresses.

\*UK Green Building Council (UKGBC), Net Zero Whole Life Carbon Roadmap Technical Report (November 2021) .





## OUR NET ZERO COMMITMENT

In 2019, the UK became the first major economy to adopt a legal commitment to achieve 'Net Zero' carbon emissions by 2050.

To achieve the ambitious goal of reaching net zero emissions by 2050, it is crucial that emissions from the built environment are substantially reduced.

Toureen Group is committed to achieving Net Zero emissions by 2050 in line with this target and will prioritise support to our clients who have set their targets ahead of this date



# BASELINE EMISSIONS FOOTPRINT

Baseline emissions provide a reference point against which we can measure emissions reduction progress.

They represent our historical greenhouse gas emissions generated before the implementation of any emission reduction strategies, and serve as a benchmark for measuring the progress of emission reduction initiatives.

Toureen Group Scope 1 and Scope 2 emissions have been reported in accordance with SECR (Streamlined Energy and Carbon Reporting) requirements.

The baseline reporting period encompasses our financial year: 1st August 2019 to 31st July 2020.

BASELINE REPORTING YEAR:	<b>2019</b>
SCOPE ONE	<b>3060.17</b> tCO <sub>2</sub> e
SCOPE TWO	<b>3.17</b> tCO <sub>2</sub> e
SCOPE THREE	<i>NOT FULLY ASSESSED</i>
TOTAL EMISSIONS	<b>3063.88</b> tCO <sub>2</sub> e



# CURRENT EMISSIONS REPORTING

Toureen Group's emissions are reported by an independent third party, Carbon Footprint Ltd., on an annual basis, in line with our financial year and in accordance with SECR requirements and the Greenhouse Gas Protocol Corporate Standard.

The market-based emissions totals are used for the basis of this plan, as they reflect the emissions from the energy sources and products that Toureen Group have specifically chosen.

REPORTING YEAR:	<b>2022</b>
SCOPE ONE	<b>2834.14</b> tCO <sub>2</sub> e
SCOPE TWO	<b>09.54</b> tCO <sub>2</sub> e
SCOPE THREE	<i>NOT FULLY ASSESSED</i>
TOTAL EMISSIONS	<b>2843.68</b> tCO <sub>2</sub> e



# EMISSIONS REDUCTION TARGETS

2019 - 2020

2021

2022

2023

2024

2025

2026

2027

2028

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

Reduce our Scope 1 and 2 carbon emissions from 2020 base year to 2034.42 tCO<sub>2</sub>e by 2028 in line with the SBT 1.5°C (market based emissions) scenario. This is a reduction of 33.6%.

We also intend to assess and report our Scope 3 emissions for our 2023 financial year and then set a target for our Scope 3 emissions reduction in 2024.



2050 NET ZERO

Collaboration with our supply chain to introduce greener technologies and low carbon materials to reduce our scope 3 emissions, along with our clients to drive towards shared goals.

Trialling and phasing out diesel as new technology and equipment becomes viable.

Working with clients for low carbon materials and low carbon technologies.

Trials of low carbon products.

Explore and introduce viable low carbon technologies.

Circular economy focus, particularly adding value for clients within our specialist demolition business Tilley and Barrett.

Continual investment in new plant, equipment and fleet.

Continuous monitoring and improving to achieve Net Zero.

Toureen Retail continuing to playing a pivotal role in nationwide EV and hydrogen infrastructure upgrades.

Engaging and upskilling our workforce to rise to the Net Zero Challenge.

**2023**  
Installation of solar on our HQ roof, anticipated to produce a third of our electricity requirements.

**2023**  
Successful use of an electric skid-steer loader at our Pall Mall project, running the entire day on an overnight charge and breaktime top-ups.

**2023**  
Investment in machinery - 60% of our non-road mobile machines above the 37kW London GLA threshold are Stage IV and V engines.

**2028**  
33.6% reduction target in our scope 1 and 2 emissions.

**2024**  
First full scope 3 emissions baseline assessment to be completed for year 2023.

**2023**  
Completion of the NEC project including the installation of 180 EV chargers, making it one of Europe's largest EV charging hubs.

**2022**  
Green diesel HVO introduced on our sites.

**2022**  
First fossil fuel free projects - 20-22 Berkely Square and Sloane Street.

**2022**  
Blu-3 Remediation Project completed, an innovative project strategy to save significant carbon in piling and ground engineering.

**2022**  
Science based targets set for scope 1 & 2, aligned to 1.5 degrees trajectory scenario.

**2022**  
Introduction of the Reuse / Pre-Deconstruction audit for Tilley and Barrett.

**2022**  
EV charging points installed at our fixed locations to facilitate electric company and grey fleet vehicles.

**2024**  
Scope 3 target setting in line with SBTi 1.5°C trajectory scenario.

**2021**  
Achieved our first certification as a Carbon Reduced Organisation by the Carbon Footprint Ltd. standard.

**2021**  
Toureen's pre-cast yard opened in Luton for in-house pre-manufactured columns, significantly reducing transport impacts on our projects as well as inherent benefits of offsite manufacturing.

**2021**  
Shell Fulham, the UK's first fully EV filling station. Completed by Toureen Retail, also constructed with glulam timber canopies instead of steel.

**2021**  
The establishment of a carbon footprint appraisal process with Carbon Footprint Ltd. to measure and report operational CO<sub>2</sub>e.

**2020**  
The Old War Office project is completed. Embodied carbon assessment conducted on Toureen's value engineering of temporary works of the Central Wing, where a 79% embodied emissions savings were achieved.

**2020**  
All purchased electricity on green tariffs.

**2020**  
TDM introduced. A digital platform and documentation management system.

**2019 - 2020**  
Baseline emissions footprint.

# OUR ROADMAP

OUR ROADMAP WILL EVOLVE WITH THE EVOLUTION OF TECHNOLOGY AND MACHINERY. WE WILL DRIVE OUR BUSINESS FORWARD IN A POSITIVE MANNER TO ACHIEVE NETZERO BEFORE 2050.



## EXECUTIVE SUMMARY

*As we embark on the journey of de-carbonisation, I am pleased to introduce this plan outlining our vision for a more sustainable future.*

*We recognise the challenges that lie ahead, and the changes required in our daily operations, but know that the transformation required is both necessary and attainable.*

*Achieving a sustainable industry is a shared responsibility, so working with clients who take decisive action on carbon reduction to help them achieve their carbon reduction goals is a core focus for Toureen Group.*

*This Carbon Reduction Plan has been reviewed and signed off by Ciaran McClearn, Managing Director for Toureen Group of companies. It's a commitment we make not just to current generations, but to the generations that will follow.*



**Ciaran McClearn**  
Managing Director



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