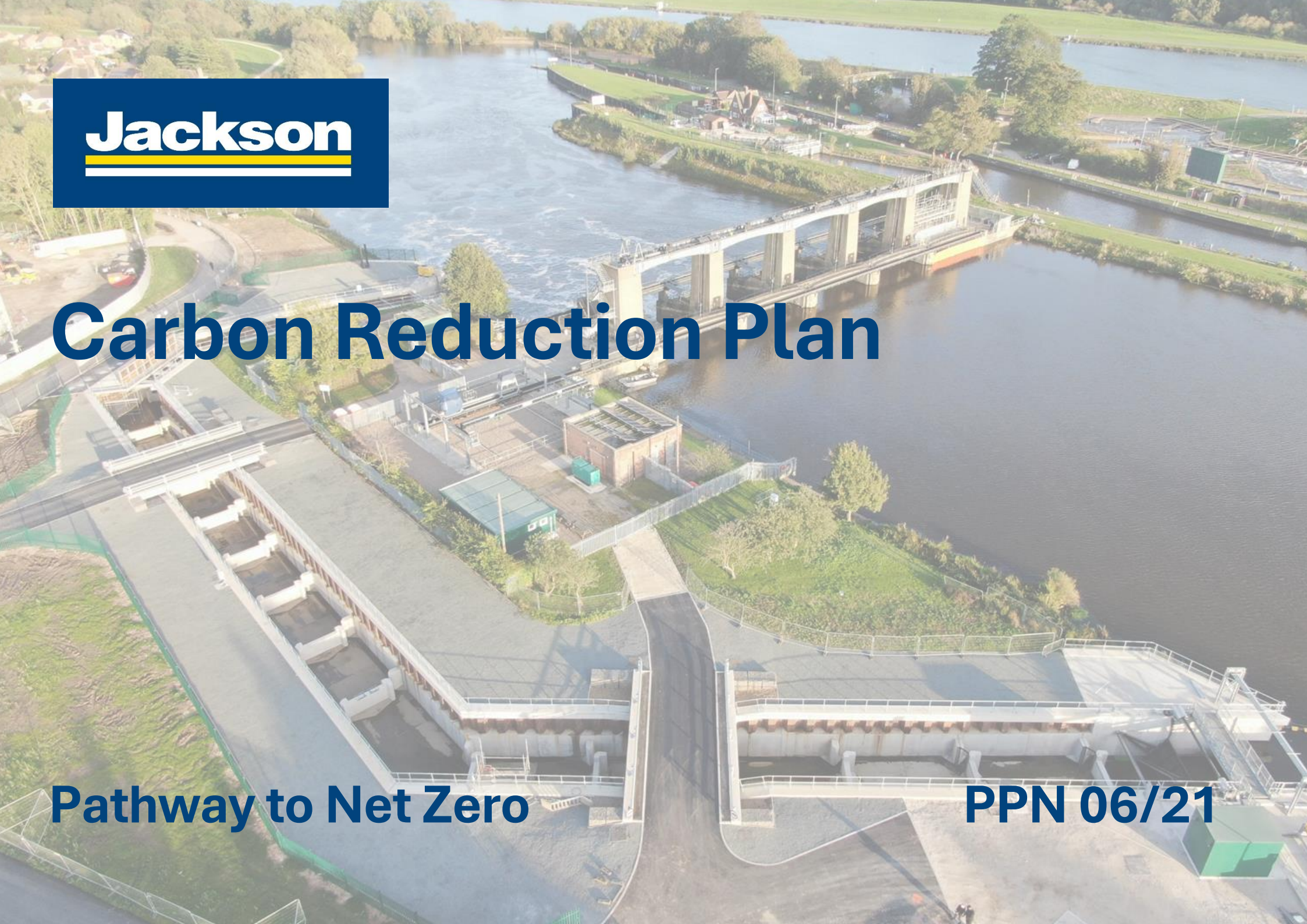


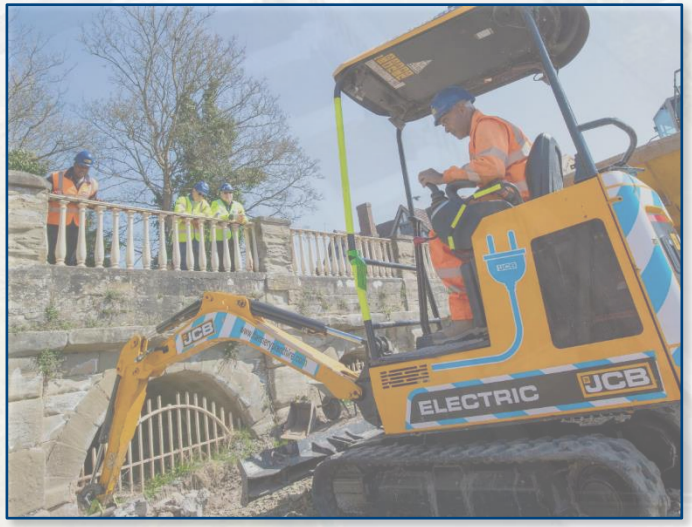
Jackson

Carbon Reduction Plan

Pathway to Net Zero

PPN 06/21

Contents



Declaration

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, using the appropriate government emission conversion factors for greenhouse gas company reporting.

Our Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions has 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 Jackson Civil Engineering's board of directors.

Brian Crofton, Managing Director
Jackson Civil Engineering
September 2025

GOOD WORKS

An evolving challenge

Civil engineering contractors contribute significantly to the built environment around us.

As an industry we deliver innovative projects that improve daily lives, such as offshore windfarms and flood defences. We also enable the provision of the basics of life, such as clean water, and safe places to live and work. However, we are also aware that engineering and construction operations can have negative impacts on our local communities and global environment, if managed irresponsibly or without due diligence and care. A crucial area that all businesses must now focus attention on is the reduction of Greenhouse Gas emissions, often referred to as Carbon, from all of their operations.

Jackson Civil Engineering has pledged to become a Net Zero company by 2045.

Through our work on multiple collaborative frameworks for the Environment Agency, we have worked with our supply chain to trial and implement innovative decarbonising technologies, such as Hydrogen Fuel Cells (HFCs), Solar Arrays and Air Source Heat Pumps (ASHPs)

Net Zero company by 2045

Each sector clearly faces different carbon reduction challenges, but one thing is clear - *we cannot reduce what we do not actively identify and measure.*

That is why Jackson is committed to practical, demonstrable carbon reduction by:

- Targeting activities that generate the most carbon emissions
- Focusing on achieving meaningful reductions within our own operations and across our supply chain
- Making carbon reduction standard practice in every facet of our business
- Transparently recording our successes, failures and progress against UK standards and goals.

In this living document, we have outlined our carbon commitment in terms of our responsibilities as a conscientious contractor and specific actions we are taking to accelerate change.

We know that this is an evolving challenge that will demand ongoing attention and a willingness to constantly refocus and adapt, but we also believe it is a challenge we must commit to at the earliest opportunity.

Our carbon responsibility

Our people are typically delivering vital engineering infrastructure projects at more than 50 live work sites at any given time. Our projects include highways construction, flood protection, structural improvements, residential developments and transport asset maintenance.

Despite every member of each project team - from our head office buyers to our project managers and site engineers - developing and delivering programmes of work planned around efficiency and minimum impact, every one of these schemes directly or indirectly produces carbon emissions.

In order to make significant changes in our own working practices that reduce carbon and combat climate change, we will measure and track emissions at a business, project and activity level.

Broadly speaking, direct greenhouse gas (GHG) emissions are from sources that we own or control, whereas indirect GHG emissions are related to energy use and activities up/down our supply chain.

Together they are categorised into three scopes:

- **Scope 1** covers direct emissions from sources that we own and/or control
- **Scope 2** covers indirect emissions from the generation of purchased energy
- **Scope 3** includes all other indirect emissions, including those of our suppliers, partners and clients

Jackson has had a focus on emission reduction for many years, having first recorded and reported emissions in 2007. We strongly believe that we are accountable for direct emissions under Scope 1 and Scope 2 and that we have some responsibility for encouraging innovation and behavioural changes up and down our supply chain which will contribute to reductions in Scope 3.

We already work with our clients, supply chain partners and procurement teams to encourage sustainable choices of materials and plant, as well as efficient technologies.

Jackson has a history of innovation in the Scope 3 arena, as it constitutes by far the largest source of our overall emissions, particularly the emissions embodied in cementitious products, steel and earthworks.

We work with our clients as early as possible to discuss options for using low-carbon concrete options wherever design and scope allows.

Jackson Civil Engineering has pledged to become a Net Zero Company by 2045

Our Carbon Reduction Plan – PPN 06/21

1st Publication Date

31st March 2022

Commitment to achieving Net Zero by 2035

Our commitment includes Scope 1, 2 and Scope 3 emissions which we can directly influence, including:

- Purchased goods and services
- Fuel & energy related activities
- Waste generated in operations
- Business travel
- Employee commuting
- Downstream transportation

Our Net Zero strategy supports the *UN Sustainable Development Goal (SDG) 13: Climate Action*, established to combat climate change impact through direct action, by 2030.

We will achieve this commitment by 2035, by focussing on specific areas of the business where we can reduce carbon now.

These areas include:

- Fleet – commuting and commercial
- Plant (Construction equipment)
- Site welfare set up
  - Fuel source, and cabins
- Material selection
- Innovation
- Offsetting emissions that do not have a current low carbon alternative.

Working with precast concrete specialist Poundfield, ultra-low carbon CemFree supplier DB Group, carbon-negative aggregate producer OCO Technology and Basalt rebar innovator Basalt Technologies, Jackson has incorporated ultra-low carbon Canewdon Blocks in its riverside and coastal restoration works, with measurable CO_2 savings of up to 88%

Baseline Emissions Footprint 2019

History

Jackson Civil Engineering Group Limited baseline data includes Jackson Framework Ltd and Jackson Civils Ltd.

Jackson Civil Engineering started recoding our Greenhouse Gas emission baseline in 2009. This baseline acts as a reference point by which we evaluate our progress towards reducing our emissions and therefore achieving Net Zero, reacting to the Climate Change Act 2008.

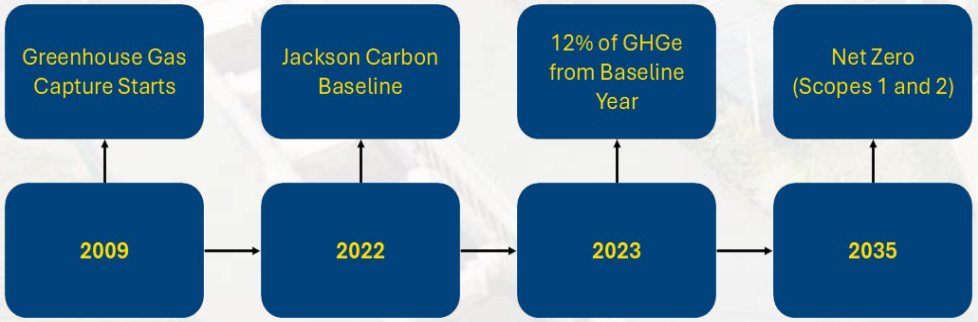
Jackson Civil Engineering Greenhouse Gas inventory for monitoring and evaluating our Scope 1, 2 and 3 emissions consist of those presented in *Table 1*, overleaf.

GOOD WORKS

Table 1.
Jackson Civil Engineering, 2022 baseline emission sources.

Scope source:

	Emission source
Scope 1: Direct emissions controlled or owned by Jackson	Fleet and Plant fuel, HVO, Gas oil/LPG.
Scope 2: Indirect emissions from electricity	Purchased electricity – regional offices and sites.
Scope 3: Indirect emissions from other sources, not included in our scope 1 or 2 values	Electricity Transmission and Distribution



Going forward
Having gained an increased understanding of the importance of Scope 3 emissions, Jackson Civil Engineering has now included Business Mileage and employee commuting within our inventory.

Furthermore, to ensure we have a complete picture of our emissions profile and how our value chain contributes to Jackson overall emissions, we intend to capture:

- Upstream transportation and distribution
- Waste generated in operations

Our low-carbon ethos is continued in the vehicles used by Jackson employees to get to site, with our fleet being 90% hybrid or electric vehicles

Jackson Civil Engineering has pledged to become a Net Zero Company by 2045

Table 2. Baseline Emissions Footprint 2022:

Scope	Emissions	Total (tCO_2e)
Scope 1	Car and Van Fleet (ICE)	339
	Site fuels - Plant and equipment	1,691
	Regional Offices Gas	19
	Air conditioners - fugitives	7
	Scope 1 Total	**2,056**
Scope 2	Head office Electricity	37
	Regional offices Electricity	12
	Site electricity	465
	Scope 2 Total	**514**
Scope 3	Business mileage	513
	Electricity transmission & distribution	47
	Scope 3 Total	**560**
	Total Emissions (Scope 1 - 3)	**3,130**

Table 3. Current Emissions Reporting 2024:

Scope	Emissions	Total tCO_2e)
Scope 1	Car and Van Fleet (ICE)	405
	Site fuels - Plant and equipment	1,726
	Regional Offices Gas	26
	Air conditioners - fugitives	0
	Scope 1 Total	**2,157**
Scope 2	Head office Electricity	36
	Regional offices Electricity	19
	Site electricity	5
	Scope 2 Total	**60**
Scope 3	Upstream transportation*	0
	Waste generated in operations*	177
	Business travel	439
	Employee commuting	1,451
	Electricity transmission and distribution	21
	Scope 3 Total	**2,088**
	Total Emissions (Scope 1 ,2 & 3)	**4,305**

Current Emissions Reporting

Jackson Civil Engineering has documented our Greenhouse Gas emissions, implementing *Greenhouse Gas Protocol* frameworks pertaining to private sector operations. We use *Department for Business Energy and Industrial Strategy* Conversion Factors to report our Greenhouse Gas emissions. *Table 3* (previous page) presents similar sources of Scope 1-3 emissions that were collected for our baseline, with the inclusion of business mileage and commuting. This is calculated from data collected from our Telematic System, relevant to company car, car allowance and personal vehicles users and from a monthly survey that collects real time data from our current employees. The inclusion of commuting data this year has increased our emission profile significantly. However, as we are now aware of it, we can make decisions to reduce it.

All data is from primary sources, except for some of our Regional Offices, where secondary data was relied upon using agreed method for calculating usage based on floor space, where Jackson employees operate within a shared office space.

Scope 1 emissions has remained similar in 2023 to 2022. However, our operational output and subsequent use of energy has increased. Our scope 2 emissions have seen the largest reduction due to increased co-location of renewable energy sources, i.e., solar. Coupled with efficient battery systems and the increasing decarbonisation of the UK grid powering our sites. Similarly, Jackson fleet continues to increase its transition to a Low Carbon Alternative fleet, where we have removed 100% of our small diesel vans for more efficient hybrid vehicles. All these actions have signalled a further 12% reduction in our scope 1 and 2 emissions.

Why we do not record the non-mandatory parts of Scope 3 and what our plan is to cover these going forward:

Category 9: Downstream Transportation and Distribution in the Scope 3 emissions standard has not been accounted for, because Jackson Civil Engineering is not a manufacturer, and therefore doesn't provide products to the market or end users.

During 2025 we got our first glimpse at emission data from *Waste generated in operation* presented in *Table 3*. The data has indicted our waste is going to the appropriate waste facility and provided further opportunities to make decisions to reduce carbon.

Emission reduction targets

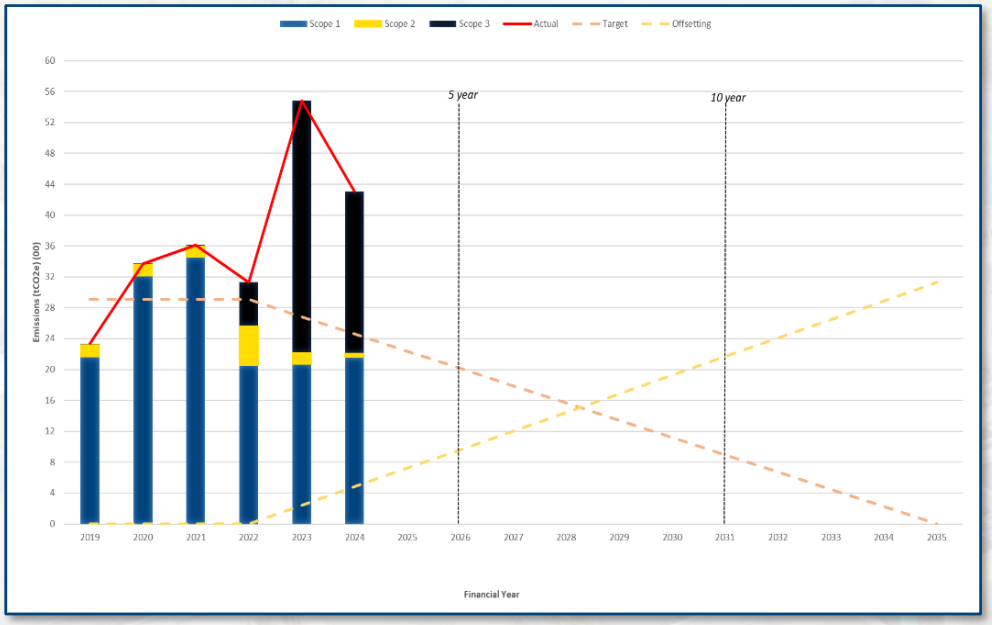
In 2021, Jackson Civil Engineering committed to being Net Zero across Scope 1-3 within our direct control by 2035. We continue to use 2022 for our baseline, as it most represents our operational activities post the pandemic. Therefore, our ambitions will need to increase as our emissions have over this period.

In order to facilitate our Net Zero target, we project that our emissions will decrease over the next five years to 1,559 tCO_{2e} by 2028. This would represent a reduction of 49%.

Jackson remains on our Net Zero path to hit this target.

Progress against these targets can be seen in *Figure 1* and *Figure 2* below.

Figure 1. Jackson Absolute GHGe- 2019-24.

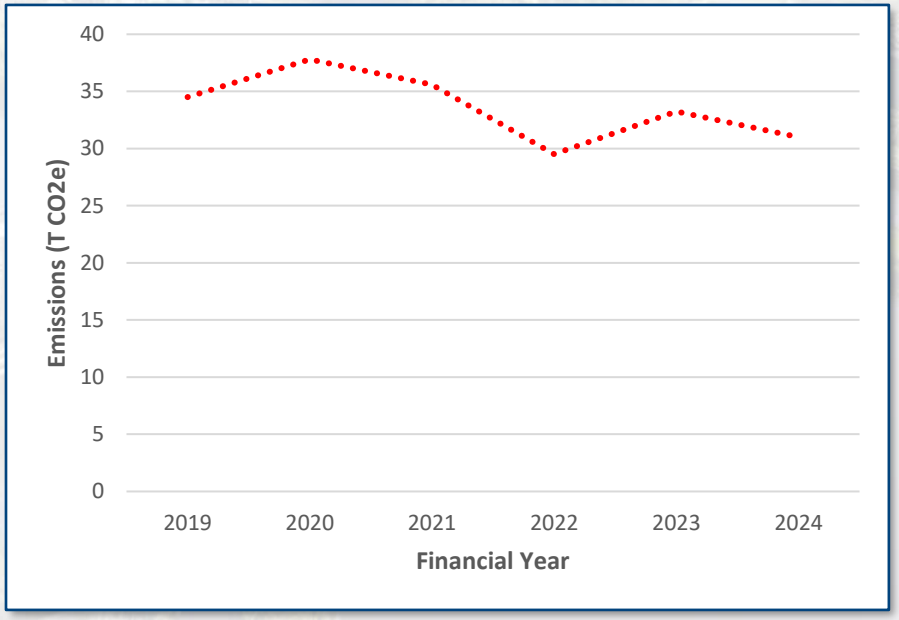


While *Figure 1* shows our emissions have increased this year due to newly available data on employee commuting, our scope 1 and 2 emissions have reduced by 12%. Plans are underway to increase low carbon alternatives in our employee's commute.

Progress against these targets

Figure 2 below provides an indication of our carbon emissions normalised against turnover. It shows Jackson Civil Engineering emissions have decreased, whilst our operational footprint increased ~ 16 %. Therefore, indicting our complete emission profile is becoming increasingly lower carbon.

Figure 2. Carbon emissions normalised against turnover.



Carbon reduction projects

Completed Carbon reduction projects:

During 2025 we intended to create, sign-off and implement our *Net Zero Strategy*. We have published our Net Zero and PAS 2080 policy.

The following environmental management measures and projects have been completed or implemented since our 2022 baseline. Carbon reduction initiatives implemented include:

- We have mandated HVO across the largest part of Jackson.
- We have implemented a PAS 2080 Carbon Management System, and *on the 17th October 2025 became PAS 2080 verified.*
- Around 60% of all our sites in 2020 were powered by low-carbon solutions, ranging from renewable grid connections to installed solar arrays and battery systems.

- Jackson is also trialling Hydrogen Fuel Cells (HFCs)
- Our car policy promotes the benefits of battery electric vehicles, as well as plug-in hybrid electric vehicles.
- Over 50% of our fleet now comprises low-carbon vehicles
- Developed a Science based target, relating to Jackson Scope 1, 2 & 3 emissions, aligned to the Science Based Target Intimae by April 2025. Implementing the EA AOMR requirements, aligned to the principle of SBTi. By Q3 2024.
- 100% regional offices/sites are to be using green tariffs and installed sub-meters (electricity/gas). So, their actual usage can be understood, as supposed to estimates.

Future Project Commitments

Our low carbon interactions of the coming year are:

- Increase use of HVO by 17 % Year-on-Year, until it is the main fuel source in all Jackson plant and equipment. As HVO is the current, viable low carbon alternative to conventional fuels. Furthermore, in EA schemes its use is supported.
- 20% of vehicles used by Company car allowance users are to have an official CO2 figure = /< 75g/km. As this will ensure Business mileage is conducted using the most efficient conventional engines, therefore reducing emissions from this source.
- 100% of Company Car options, across all grades are to be from ultra-low emission vehicles/Electric Vehicles. This will ensure Business mileage is conducted using the most efficient conventional engines, therefore reducing emissions from this source.
- Develop a strategy offsetting Jackson Scope 1 & 2 emissions. Offsetting is proposed to reduce annually, aligned to absolute reductions of emissions.

While working at Bewdley in Worcestershire, Jackson tested the use of solar photovoltaic (PV) in charging electric plant. These projects are part of a one-year trial made possible through funding from the EA's Net Zero Carbon Innovation Pathway Fund.

GOOD WORKS