Pledge to Net Zero Annual Progress Report 2024

J Coffey Construction committed to **Pledge to Net Zero** on April 30th, 2020. It was clear that with Government requiring to meet a Net Zero target by 2050, businesses would come under increasing pressure to adopt a carbon reduction approach to service provision or not be in a position to tender for future projects.

Much has evolved since the original commitment in terms of accurate data gathering whereby we have now invested in the use of the **Tracker +** platform to capture data. Year on year we as an organisation do everything we can to meet the needs and expectations of our client base, to meet their objectives as well as our own. We recognise the position we as a business are in with regards to the limited flexibility of reducing our footprint, that is in the most part subject to the life cycle of the materials we use, which to a degree is out of our control; nonetheless, the area we can focus on with biggest immediate impact in reducing our emissions is in the investment in electronic plant & equipment when delivering projects.

Our Plant Division continues to research and review technical advances with plant and machinery and has made significant investment in the procurement of the following:

Heavy Machinery & Carbon Reduction

✅ 90% of our entire heavy machinery fleet is **Stage 5 compliant**.
✅ We've invested in **battery-powered excavators, dumpers, electric Brokk machines, battery forklifts**…etc
✅ Trialled and adopted **solar lighting**.
✅ Replaced **two large diesel static concrete pumps with fully electric models**.
✅ Upgraded **95% of diesel tower lights to electric LED** (over 60 units).

Mid-Range Equipment & Energy Efficiency

✅ Introduced **stop-start technology site generators**.
✅ Successfully trialled **battery-powered generators (Instagrid)** and expanded their use.
✅ Replaced most **petrol/diesel compactor plates, trench compactors, and cut-off saws with battery-powered alternatives**.

Robotic & Carbon-Free Demolition

✅ Owns **15 Robotic Brokk electric demolition machines**, making us one of the largest stockholders in GB

Fleet & Vehicles

✅ Incorporated **four electric vehicles**, including a **Mercedes Sprinter for daily site deliveries**.
✅ Entire **HGV and van fleet is Euro 6 compliant**.

Small Tools & Circular Economy

✅ First in GB to adopt **Hilti's Nuron single-platform battery system** (one battery, one charger for the whole range of site tools; from small drills and jigsaws…all the way to heavy duty road breakers).
✅ First in GB to invest in **Hilti's circular economy Laser Levels**, made from recycled materials.

Telematics & Carbon Monitoring

✅ **Cameramatics system** installed across fleet to monitor driver behaviour, idling, and safety.
✅ **Hilti telematics technology** provides real-time insights on operator efficiency and **carbon emissions tracking**.

The forementioned plant & equipment are just part of our continuing efforts to improve our carbon emission reduction journey; earlier this year we produced and implemented our Circular Economy Strategy in collaboration with EME (Excess Materials Exchange), which is a platform to register materials, furniture and fittings etc. from strip out/demolition projects, to avoid waste going to landfill.

We also improved our UKAS accredited ISO 50001:2018 Energy Standard scope of certification, to more fully capture our Scopes 1, 2 & 3 in line with ESOS compliance.

Below are our emissions from 2019 t0 2023. Due to the tight deadline required to meet compliance to Pledge to Net Zero by the endo February, data was still being collated at the time of writing.

2019 baseline year carbon footprint was the following:

- 2019 TOTAL EMISSIONS:
- 2019 Scopes 1+2 = 436.7 tCO2e (Scope 1 = 420.9 tCO2e, Scope 2 = 15.9 tCO2e)
- 2019 Scope 3 = 35,898.5 tCO2e (Inclusive of revised methodology for establishing employee commuting)
- 2019 Scope 3 intensity = 690.4 tCO2e per site

- 2019 EMISSIONS (minus construction materials):
- 2019 Scopes 1+2 = 436.7 tCO2e (Scope 1 = 420.9 tCO2e, Scope 2 = 15.9 tCO2e)
- 2019 Scope 3 = 1,133.8 tCO2e
- 2019 Scope 3 intensity = 21.8 tCO2e per site

2022 carbon footprint was the following:

2022 TOTAL EMISSIONS:

- 2022 Scope 1+2 = 320.7 tCO2e (Scope 1 = 300.4 tCO2e, Scope 2 = 20.3 tCO2e)
- 2022 Scope 3 = 21,647.1 tCO2e
- 2022 Scope 3 intensity = 400.9 tCO2e per site

2022 EMISSIONS (minus construction materials):

- 2022 Scope 1+2 = 320.7 tCO2e (Scope 1 = 300.4 tCO2e, Scope 2 = 20.3 tCO2e)
- 2022 Scope 3 = 828.9 tCO2e
- 2022 Scope 3 intensity = 15.4 tCO2e per site

2023 carbon footprint was the following:

2023 TOTAL EMISSIONS:

- 2023 Scope 1+2 = 115.84 tCO2e (Scope 1 = 114.73 tCO2e, Scope 2 = 1.11 tCO2e)
- 2021 Scope 3 = 23,519.54 tCO2e
- 2023 Scope 3 intensity = 546.97 tCO2e per site

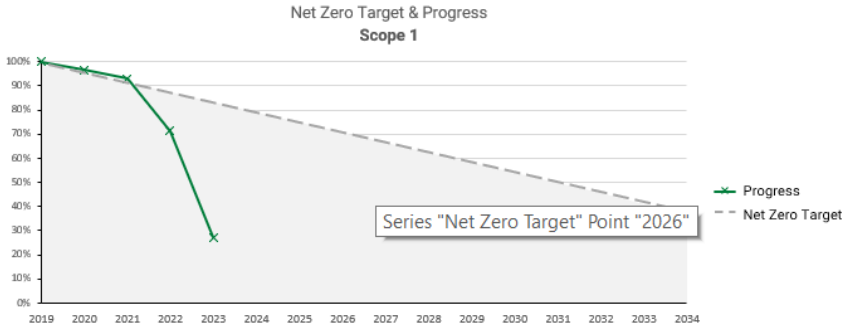
2023 EMISSIONS (minus construction materials):

- 2023 Scope 1+2 = 115.84 tCO2e (Scope 1 = 114.73 tCO2e, Scope 2 = 1.11 tCO2e)
- 2022 Scope 3 = 681.41 tCO2e
- 2022 Scope 3 intensity = 15.8 tCO2e per site

Progress to 2034 Net Zero Objective:

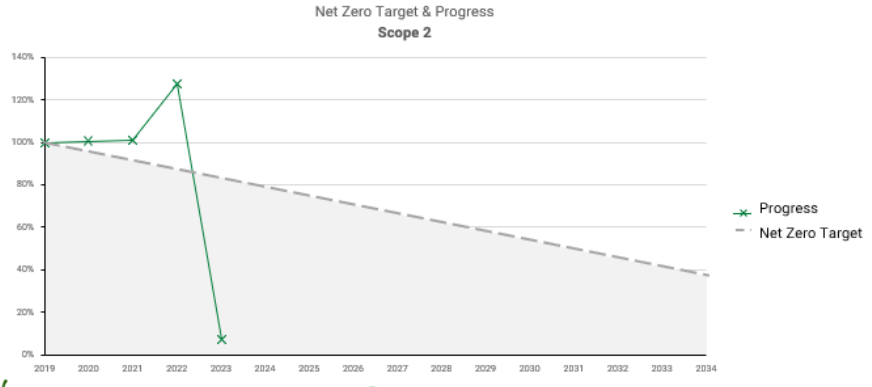
Scope 1(tCO_2e): Progress against Net Zero target

J Coffey have committed to a 4.2% annual reduction in emissions from 2019 – 2034 across all Scopes.



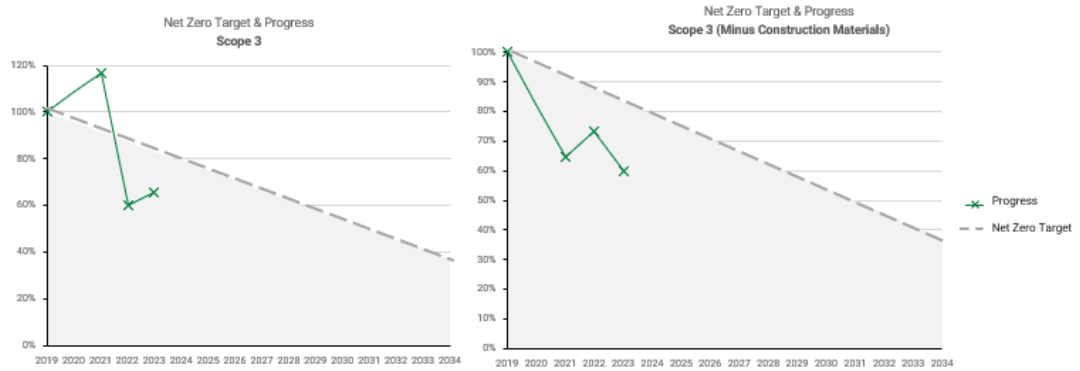
Scope 2 (tCO_2e): Progress against Net Zero target

J Coffey have committed to a 4.2% annual reduction in emissions from 2019 – 2034 across all Scopes.



Scope 3 (tCO_2e): Progress against Net Zero target

J Coffey have committed to a 4.2% annual reduction in emissions from 2019 – 2034 across all Scopes.



TO SUMMARISE:

J Coffey's Scope 1 and 2 GHG emissions have significantly decreased since measurement started in 2019, the most significant decrease occurring in the last year (between 2022 and 2023). This is because J Coffey have made progress procuring a 100% renewable electricity tariff across 3 out of 4 operational sites and procuring over 90% of liquid fuels from HVO vs diesel and petrol. As a cumulative result since 2019, Scope 1 and 2 emissions have decreased by 73.5% to date.

All Scope 3 emissions categories have decreased in 2023 compared to a 2019 baseline, with a total 34.9% reduction in absolute Scope 3 emissions. As seen in 2022, the largest emissions reduction last year was associated with construction waste, reducing by 70.2% in 2023 compared to 2022. This is reflective of O'Donovan's full transition to operating their fleet on HVO D+ Biofuel, diverting more waste from landfill (only 3.52 tonnes of waste went to landfill, compared to 61.8 tonnes in 2022), and a reduction in glass, asphalt, plastic, concrete and wood waste.

The only Scope 3 emissions category that has increased since 2022 is construction materials, increasing by 9.70% in 2023. J Coffey purchased more high-volume items such as concrete and steel rebar in 2023. Therefore, emissions have been normalised by the weight of construction material purchased to assess the changing carbon intensity of purchased materials. Total normalised GHG emissions per tonne product purchased has decreased by 49.9% (from 0.23 tCO_2e / tonne in 2022 to 0.11 tCO_2e / tonne in 2023). This suggests that the carbon intensity of the construction materials J Coffey Construction are purchasing has significantly decreased, with more sustainable concrete mixes and recycled aggregate purchases.

J Coffey also successfully achieved transitioning to the latest ISO 50001:2018 Energy management system standard from the old 2015 version scope of which covers Scope 1 & 2 & Scope 3 emissions when acting as Principle Contractor and procuring the energy for the project.

J Coffey also remain a signatory to the UN's 'Race to Net Zero'.

https://climatechampions.unfccc.int/system/race-to-zero/

All of the above represents the organisations commitment to proactively engage and implement best practice in our operational delivery, to reduce our carbon footprint in support of our client base and their clients to positively impact on climate change and be the company of choice in leading the fight against Climate Change.

Adrian Clamp Original signed

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