



**FES Group IMS**  
**Operational Control Document**  
**D 8.46 Carbon Reduction Plan**

**Company**

FES Group

**Year**

Financial Year 1 September 2022 to 31 August 2023

**Plan Prepared By**

Iain Crawford & Chris Bowness

**Publication Date**

19 July 2023

**Version**

Final



The purpose of this Carbon Reduction Plan is to detail our organisational carbon footprint and confirm our commitment to achieving Net Zero by 2050. The Plan will be updated regularly (At least annually), published and clearly signposted on the company website.

### Commitment to Achieving Net Zero

Supplier Name	Commitment
The FES Group	We are committed to achieving Net Zero emissions by <b>2021*</b>
*Since 2021, we have achieved this in part by offsetting our emissions via our participation in the One Carbon World Carbon Neutral International Standard. Each year of our journey, we aim to reduce our offsetting emissions requirement.	

### Baseline Emissions Footprint

Baseline Year	Financial Year 1 September 2019 to 31 August 2020
<b>Additional Details Relating to Baseline Emissions Calculation</b>	
The baseline is financial year (FY) 2019-2020 which includes scope 3 emissions. The activities included in the carbon footprint measurement were agreed in consultation with One Carbon World. The calculation of the footprint was undertaken and reported by One Carbon World after a desk-top review of data provided by the FES Group. This report meets the reporting requirements of the Green House Gas (GHG) Protocol Corporate Standard and is compatible with international standards ISO 14064 and PAS 2060. It must be noted that emissions for 2020 and 2021 were atypical due to the effects of the COVID-19 pandemic.	
<b>Baseline Year Emissions (FY 2019-2020)</b>	
Emissions	Total (tCO <sub>2</sub> e)
Scope 1	3,749.55
Scope 2	161.55
Scope 3 (Included sources)	17,313.01
<b>Total Gross Emissions</b>	<b>21,224.11</b>
<b>*Carbon Offset Credits</b>	<b>21,224.11</b>
<b>Total Net Emissions</b>	<b>0.00</b>

### FY 2021-2022 Emissions

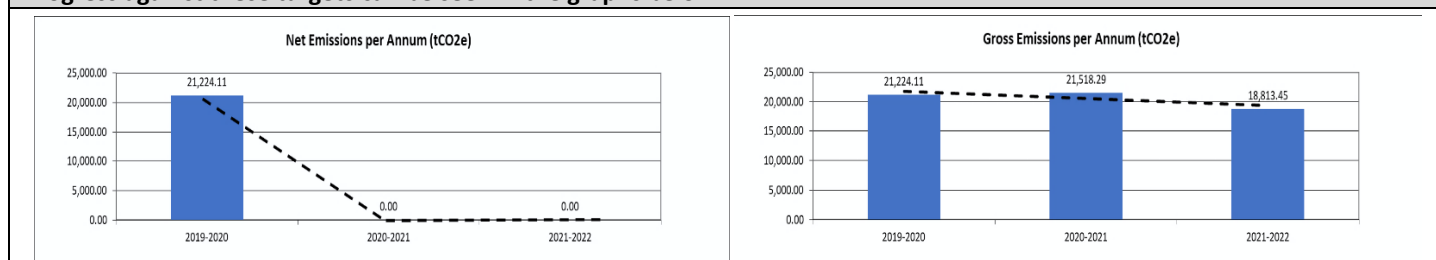
Reporting Year	Financial Year 1 September 2021 to 31 August 2022
<b>Emissions</b>	
Emissions	Total (tCO <sub>2</sub> e)
Scope 1	3,209.65
Scope 2	0.00
Scope 3 (Included sources)	15,603.81
<b>Total Gross Emissions</b>	<b>18,813.45</b>
<b>*Carbon Offset Credits</b>	<b>18,813.45</b>
<b>Total Net Emissions</b>	<b>0.00</b>

### Emissions Reduction Targets

<b>In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets</b>	
Transport Fuel Reduction	1.0%
Premises Energy Reduction	1.0%
<b>Overall Energy Reduction</b>	<b>0.9%</b>

We project that gross carbon emissions will decrease over the next five years to **17,873 tCO<sub>2</sub>e** by **2027**. This is a reduction of **5%**. This is our main focus; however gross zero is unrealistic for our business, so we will continue to offset these gross emissions to Net Zero.

Progress against these targets can be seen in the graphs below





**Carbon Reduction Projects**

**Completed Carbon Reduction Initiatives**

The following environmental management measures and projects have been completed or implemented since the 2019 baseline. The total (Cumulative) carbon emission reduction achieved by these schemes, including carbon offsetting equate to **82,779.96** tCO<sub>2</sub>e, a **100%** annual reduction against the 2019 baseline. The measures will be in effect when performing the contract.

Initiatives	Details
Energy reviews	Energy reviews of all FES offices. Produced a set of energy saving targets and objectives
Energy awareness	Rolled out an energy awareness campaign (Training etc)
Improved data	Improved vehicle consumption data gathering using telematics
Vehicle fleet improvements	Programme for phasing out the most polluting vehicles and replacement with less polluting
Smart meters	Installed smart meters at some offices to improve data
“No Watt” data logging	Installed “No Watt” electricity data loggers at head office to better monitor consumption
Radiant heaters	Scheme to decrease gas consumption at Glentye Road (Radiant heaters for the workshop area)
ISO 50001:2018	Migrate to the revised version of the ISO energy management standard
Electric vehicles	Trial scheme for electric vans
Vehicle monitoring	Implementation of an “App” based system for fuel accounting (FleetCheck)
PAS 2080	Design a PAS 2080 based methodology for carbon management in infrastructure
Carbon offsetting	Offsetting all scope 1, 2 & 3 emissions via One Carbon World Carbon Neutral International Standard
Electric charging	Green energy electric charging station roll out for HQ staff use (Fleet and grey fleet)
Purchasing	Assess products and work towards lower carbon alternatives
PV installations	We have installed PVs on the roofs of our offices where possible and advantageous
Reduction on business travel	Using software-based solutions such as MS Teams rather than face to face meetings, training etc

**Future Carbon Reduction Initiatives**

In the future we plan to implement further measures such as:

Initiatives	Details
Fleet improvements	Continue drive towards more efficient vehicles
	Planning the transition of fossil fuels to EVs/low carbon fuels when operationally and financially appropriate
Grey Fleet EV Scheme	Employees offered a salary sacrifice scheme to purchase new electric vehicles
Space heating/cooling	Install Air Source Heat Pumps (ASHPs) to replace fossil fuel powered heaters
	Revisit previous energy saving recommendations which may now be viable due to increasing energy costs
Refresher training	Conduct a staff energy and environmental awareness refresher programme
Suppliers & purchasing	Engage with suppliers to reduce cradle to grave emissions through contract specifications and management
	Engage with suppliers to ascertain whether and to which degree they are already offsetting their carbon
Purchasing	Assess products and work towards lower carbon alternatives
Carbon offsetting	Offsetting all scope 1, 2 & 3 emissions via One Carbon World Carbon Neutral International Standard

**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 FES Group board of directors.

<b>Signed</b>	<i>Jason Cross</i>
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<b>Name</b>	Jason Cross
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<b>Job Title</b>	Managing Director
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<b>Date</b>	19 July 2023
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