

Carbon Reduction Plan for Springfields Fuels Limited

Supplier name: Springfields Fuels Limited

Publication date: 30/10/2023

This Carbon Reduction Plan relates specifically to business activities associated with Springfields Fuels Limited. It conforms to the requirements of Procurement Policy Note PPN 06/21; "Taking Account of Carbon Reduction Plans in the procurement of major government contracts", published in June 2021 and the supporting "Technical standard for the Completion of Carbon Reduction Plans".

Commitment to achieving Net Zero

Springfields Fuels Limited is committed to achieving Net Zero emissions by 2050.

Baseline Emissions Footprint

Baseline 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. Baseline emissions are the reference point against which emissions reduction can be measured.

Baseline Year: 2019	
Additional Details relating to the Baseline Emissions calculations. 2019	
Scope 3 emissions have not previously been captured other than for business travel - progress is underway to include them for future reports	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	37,493
Scope 2	2,493
Scope 3 (Included Sources)	50 (Business travel)
Total Emissions	40,036

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Current Emissions Reporting

Reporting Year: 2022	
EMISSIONS	TOTAL (tCO₂e)
Estimated Scope 3 categories for the first time with some limitations but with the view that as more information and refined processes become available, accuracy will improve. For example, Up/Downstream distribution covers only emissions directly associated with nuclear fuel (as that is our main business), so will increase in future.	
Scope 1	36,387
Scope 2	881
Scope 3 (Included Sources)	Business travel (331) Employee commuting (790) Waste Disposal (9) Upstream Distribution (99) Downstream Distribution (120)
Total Emissions	38,617

Emissions reduction targets

We will reach net zero by 2050 and have been tracking our emissions for several years (scope 1 & 2) and have recently expanded to cover other emissions (scope 3). In terms of targets, this is currently subject to change as future business needs materialise and the impact that has on energy demands and thus emissions. Therefore, targets will continue to be re-assessed however with the current energy strategy, the aim is to reduce emissions by 20% by 2026 and then 94% by 2035. We have implemented and continue to implement a number of improvements to reduce energy consumption and CO2 emissions.

Justification for baseline

2019 has been selected as the baseline year as it provides the most accurate information (as metering and accounting systems have improved over the years) whilst avoiding data that would give a false representation of progress due to the impact of COVID 19 on business activities and subsequent emissions.

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Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2019 baseline.

- CHP steam output pressure reduction - Output pressure has been reduced from 10 bar to 9 bar, which has improved efficiencies within the CHP plant and hence reduced our gas consumption.
- Reduced site footprint – closing buildings has reduced infrastructure i.e. steam mains and resulted in less steam usage which is derived from onsite gas combustion (scope 1) via a CHP plant.
- LED lighting – Lighting on site has replaced with LEDs over previous years and any future use of lighting will also be LED
- Work from home (WFH) - A mobile worker initiative has categorised employees into anchor, mobile and remote and this has enabled the company to be more efficient by reducing electricity consumption on site and lowers emissions with reduced employee commuting.

Springfields Fuels Limited (SFL) has an ISO 14001 accredited management system which ensures we comply with numerous energy/emission related legislation including ESOS (Energy savings opportunity scheme), SECR (Streamlined Energy and Carbon Reporting), UK-ETS (UK Emissions Trading Scheme), CCA (Climate Change Agreement). SFL also has two Environmental permits issued under the environmental permitting regulations (2016) which ensures environmental issues on site are managed using the best available techniques (BAT).

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

- Fully developed roadmap with interim targets dependent on internal governance of business needs
- Provide data to support the publication of an ESG (Environmental, Social and Governance) report for our parent company, Westinghouse Electric Company. Which will provide details on CO₂e emissions from Scope 1, Scope 2 and some Scope 3

Future Carbon Reduction Initiatives

- SFL is currently considering upgrading the CHP plant on site to potentially reduce emissions by 20%, including capabilities to reduce further using hydrogen. SFL are also looking at projects to improve energy efficiency and reduce waste.

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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 standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

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) Standard³.

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

Signed on behalf of Springfields Fuels Limited:

Name: David Eaves

Signature:



Position in Company: EHS&Q Director & Chief Technical Officer

Date: 07th November 2023

¹<https://ghgprotocol.org/corporate-standard>

²<https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³<https://ghgprotocol.org/standards/scope-3-standard>