

Energy and carbon report

	2023	2022
<i>Energy consumption</i>	kWh	kWh
Aggregate of energy consumption in the year		
- Gas combustion	582,573	243,911
- Electricity purchased	870,118	669,217
- Fuel consumed for transport	54,634,925	45,118,594
	56,087,616	46,031,722
	2023	2022
<i>Emissions of CO2 equivalent</i>	metric tonnes	metric tonnes
Scope 1 – direct emissions	106.96	43.90
- Gas combustion		
- Fuel consumed for owned transport	13,009.93	10,795.19
	13,116.89	10,839.09
Scope 2 – indirect emissions		
- Electricity purchased	180.18	129.41
Scope 3 – other indirect emissions		
- Fuel consumed for transport not owned by the company	34.07	30.83
Total gross emissions	13,331.08	10,999.33
<i>Intensity ratio</i>		
TCO _{2e} / m ² floor area	0.85	0.73

Quantification and reporting methodology

For continuity, this report uses the Energy Savings Opportunities Scheme (ESOS) methodology carried forward to the 2022 – 2023 reporting year. The 2023 UK Government Conversion Factors for Company reporting have been employed.

The company has measured its Scope 1 and 2 emissions and included Scope 3 emissions related to employee use of their own vehicles, where they claim mileage or fuel allowance. Additionally, under Scope 1 the company has reported non-transport related fuel emissions and, under Scope 3, the company has reported emissions from transmission and distribution losses for Scope 2 purchased electricity. Voluntary reporting for 2022 has been updated to reflect accurate totals.

Element Consultants Ltd carried out the ESOS 2015 & 2019 reports and the SECR 2021 & 2022 reports in conjunction with Smiths and has applied the same verification process to this SECR report while following the Greenhouse Gas Protocol recording system and is able to account compliance with the letter and spirit of the ESOS regulations.

The longer-term aspirations of the company are currently defined in the Smiths Sustainability and energy policy documents.

The company has now produced a draft Sustainability Plan and aims to publish the plan in 2024. The plan will supersede all previous policy documents. Specific recommendations from the ESOS 2019 report have been carried out. ESOS Phase 3 is currently underway. Monitoring & targeting systems have been upgraded. A Fuel Efficiency Policy and Responsible Purchasing Policy have been implemented. Hybrid and electric vehicles continue to be added to the fleet. Vehicle tracking and route scheduling software has been upgraded to optimise route planning for fuel efficiency, while the use of what3words has given drivers more precise locations, such as building entrances, and don't exist for construction sites, parks and many rural areas.

Electric mini-excavators have been added, while Hydrogenated Vegetable Oil fuel is used by clients as a low-carbon project option.

Boiler controls and insulation continue to be upgraded and the fitting of internal & external LEDs is an ongoing project. Other works are in progress or being evaluated including ULEZ compliant Euro 6 engines; insulating and draft proofing roof voids; and evaluating the use of Solar PV.

More than 28,000 tonnes of waste have been diverted from landfill to energy from waste in the last year.

Scopes 1 & 2 energy consumption has improved by almost 3% year on year at Smiths. Overall energy KPIs have increased due to an additional facility that will – in the long term – help consolidate, drastically improve efficiencies and reduce energy consumption.