

Organization Structure

Thermo Fisher Scientific Inc., as parent company of the Thermo Fisher Scientific group of companies ("Thermo Fisher Scientific" or the "Group"), issues this statement on behalf of itself and each of its global subsidiaries that are relevant to UK Action Note PPN 06/21 Acts including its UK subsidiaries listed in the [Appendix](#).

Thermo Fisher Scientific Inc. is the world leader in serving science, with annual revenue of approximately \$40 billion. Our Mission is to enable our customers to make the world healthier, cleaner and safer. Whether our customers are accelerating life sciences research, solving complex analytical challenges, increasing productivity in their laboratories, improving patient health through diagnostics or the development and manufacture of life-changing therapies, we are here to support them. Our global team delivers an unrivaled combination of innovative technologies, purchasing convenience and pharmaceutical services through our industry-leading brands, including Thermo Scientific, Applied Biosystems, Invitrogen, Fisher Scientific, Unity Lab Services, Patheon and PPD.

For more information, please visit www.thermofisher.com.

Commitment to Achieving Net-zero

Thermo Fisher Scientific is committed to achieving net-zero emissions by 2050.

Emissions Reduction Targets

To order to continue our progress to achieve Net Zero, we have adopted the following greenhouse gas reduction targets. Our targets are approved by the Science Based Targets initiative (SBTi) and viewable here: <https://sciencebasedtargets.org/companies-taking-action>.

- **Overall Net-Zero Target:** Thermo Fisher Scientific commits to reach net-zero greenhouse gas emissions across the value chain by 2050 from a 2018 base year.
- **Near-Term Targets:** Thermo Fisher Scientific commits to reduce absolute Scope 1 and 2 GHG emissions 50.4% by 2030 from a 2018 base year. Thermo Fisher Scientific also commits that 90% of its suppliers by spend covering purchased goods and services, capital goods, and upstream transportation and distribution will have science-based targets by 2027.

To support our Scope 1 and 2 near-term targets, Thermo Fisher Scientific commits to use 80% renewable electricity globally by 2030.

- **Long-Term Targets:** Thermo Fisher Scientific commits to reduce absolute Scope 1 and 2 GHG emissions 90% by 2050 from a 2018 base year. Thermo Fisher Scientific also commits to reduce absolute Scope 3 GHG emissions 90% by 2050 from a 2021 base year.

UK Carbon Reduction Plan

UK 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: 2018 (Scope 1 + 2); 2021 (Scope 3)	
Additional Details relating to the Baseline Emissions calculations.	
<p>All emissions are calculated using an operational control boundary, in accordance with the Greenhouse Gas Protocol corporate standard (“GHG Protocol”) and are inclusive of all UK operations for Thermo Fisher Scientific Inc. and its subsidiaries.</p> <p>The required Scope 3 categories were first calculated in 2021, resulting in a different baseline year than Scope 1 and 2.</p> <p>Baseline values have been restated from the 2022 UK Carbon Reduction Plan in accordance with the GHG Protocol related to acquisitions and methodology improvements. Further detail is available in our 2023 Corporate Social Responsibility (CSR) report at thermofisher.com/csr.</p>	
Baseline year emissions: 2018 (Scope 1 + 2), 2021 (Scope 3)	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	24,962
Scope 2	27,198 (market-based methodology)
Scope 3 (Included Sources)	199,531 In alignment with Guidance on adopting and applying PPN 06/21, value includes emissions related to the following categories as described by the GHG Protocol: <ul style="list-style-type: none"> - 3.4 Upstream transportation and distribution - 3.5 Waste generated in operations - 3.6 Business travel - 3.7 Employee commuting - 3.9 Downstream transportation and distribution
Total Emissions	251,691

UK Current Emissions Reporting

Reporting Year: 2023	
EMISSIONS	TOTAL (tCO₂e)

Scope 1	25,350
Scope 2	2,987 (market-based methodology)
Scope 3 (Included Sources)	189,250 In alignment with Guidance on adopting and applying PPN 06/21, value includes emissions related to the following categories as described by the GHG Protocol: <ul style="list-style-type: none"> - 3.4 Upstream transportation and distribution - 3.5 Waste generated in operations - 3.6 Business travel - 3.7 Employee commuting - 3.9 Downstream transportation and distribution
Total Emissions	217,587

We project that greenhouse gas emissions associated with our UK operations will decrease over the next five years to 178,054 tCO₂e by 2029 based on a straight-line projection of our targets. This is a reduction of 29% across Scopes 1, 2 and 3 from the baseline.

UK Carbon Reduction Projects

The following environmental management measures and projects have been completed or implemented in the UK since the 2018/2021 baseline. The carbon emission reduction achieved by these schemes equate to 34,104 tCO₂e, a 14% reduction against the 2018/2021 baseline and the measures will be in effect when performing the contract.

Since 2018 we have established several initiatives to reduce our emissions including:

- Conducted **energy assessments** at several UK facilities and completed four energy efficiency measures
- Developed a **net-zero building design guide** for new building construction and major site renovations
- Accelerated the adoption of renewable electricity via utility contracts – shifting our consumed electricity from 0% to **87%** renewable between 2018 and 2023
- 20 UK sites were powered by 100% renewable electricity in 2023
- Certified four UK sites as **zero waste**, meaning less than 10% of non-hazardous waste to landfill, incineration, or waste-to-energy
- Installed 20 electric charging stations for employee use at UK sites

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

- Continuing our transition away from fossil fuels and high impact refrigerants, including use of heat pumps
- Continuing energy reduction projects from opportunities identified through energy assessments (see Energy Savings Opportunity Scheme Action Plan below for more details)

- Actively pursuing power purchasing agreements
- Accelerating the installation of onsite solar
- Optimizing transport of goods

For additional details please see our latest CSR and CDP reports, available at thermofisher.com/csr.

UK Energy Savings Opportunity Scheme (ESOS)

Action plan for period 6 December 2023 to 5 December 2027

Intended action to reduce energy consumption	Estimated timeline for completion	Recommended from ESOS assessment	Estimated energy savings during period (MWh)	Basis for estimated energy savings
Gas space heater electrification at Paisley facility	Dec-25	No	1224	Estimated by third party energy professional
Use waste heat for pre-heating steam generation at Paisley facility	Dec-27	No	0	Estimated by third party energy professional
Replacement of legacy steam traps at Swindon facility	Jan-24	No	2669	Estimated by third party energy professional
Insulation of steam network at Swindon facility	Jan-24	No	82	Estimated by third party energy professional
Chiller compressor AFD upgrade at Swindon facility	Jan-24	No	239	Estimated by third party energy professional
Solar PV on-site installation at Heysham facility	Dec-24	Yes	969	Estimated by third party energy professional
Solar PV on-site installation at Warrington facility	Sep-24	Yes	1788	Estimated by third party energy professional
Solar PV on-site installation at Horsham facility	Apr-24	Yes	2340	Estimated by third party energy professional

Total estimated savings: 9,312 MWh

Estimated savings for buildings: 6,560MWh

Estimated savings for transport: 0 MWh

Estimated savings for industrial processes: 2,751MWh

Estimated savings for other energy uses: 0 MWh

Declaration

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans. The ESOS Action Plan has been developed in accordance with the guidance, as of November 29, 2023, published by the Environment Agency, the UK scheme administrator for ESOS on behalf of all UK regulators.

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 and ESOS Action Plan have been reviewed and signed off by a member of the board of directors (or equivalent management body) to affirm the organization has complied with the requirements to the best of their knowledge.

Signed on behalf of Thermo Fisher Scientific Inc.



Marc N. Casper
Chairman, President and CEO

17 June 2024

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>

Appendix

Thermo Fisher Scientific Inc. significant UK subsidiaries

FEI UK Limited
Fisher Clinical Services UK Limited
Fisher Scientific UK Limited
G&M Proctor Limited
Life Technologies BPD UK Limited
Life Technologies Limited
Oxoid Limited
Patheon UK Limited
PPD Global Limited
Thermo Electron Limited
Thermo Electron Manufacturing Limited
Thermo Fisher Diagnostics Limited
The Binding Site Group Limited