

Commitment to achieving Net Zero

QIAGEN has SBTi validated climate goals and committed to Net Zero by 2050.



DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

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: 2020	
Additional Details relating to the Baseline Emissions calculations	
<i>none</i>	
Baseline year emissions: 2020	
EMISSIONS TOTAL	(tCO₂e)
Scope 1	10,202
Scope 2 (market-based)	10,416
Scope 2 (location-based)	19,239
Scope 3 (Included Sources)	405,569 Scope 3 covers upstream and downstream emissions that occur along our value chain. We have considered emissions in the following categories in the base year: Scopes 3.1. (Purchased goods and services), 3.3. (Energy related activities), 3.4. (Upstream and downstream transportation and distribution), 3.5. (Waste in operations), 3.6. (Business travel), 3.7. (Employee commuting), 3.11. (Use phase of sold products) and 3.12. (End of life).
Total Emissions	426,187

Current Emission Reporting

Reporting Year: 2024	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	11,378
Scope 2 (market-based)	14,718
Scope 2 (location-based)	3,461
Scope 3 (Included Sources)	319,571
Total Emissions	334,410

22,405 tCO₂e of QIAGEN's total emissions are attributed to the United Kingdom, representing 6.7% of the company's global emissions.

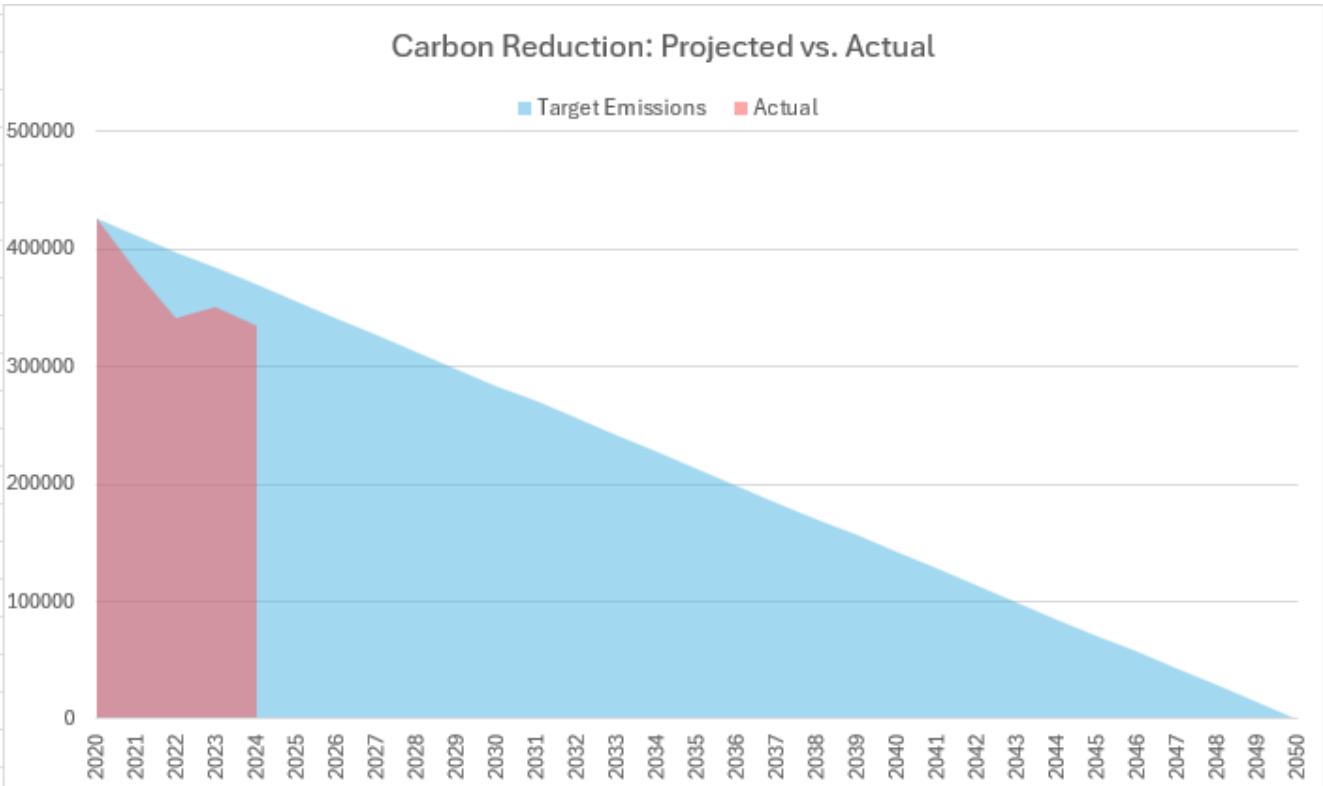
GHG emissions (tCO ₂ e)	Baseline (2020)	Comparative (2023) unassured	2024	% Change 2024/2023 unassured
Scope 1 GHG Emissions				
Gross Scope 1 GHG emissions	10,202	13,375	11,378	(15) %
Scope 2 GHG Emissions				
Gross location-based Scope 2 GHG emissions	19,239	19,505	14,718	(25) %
Gross market-based Scope 2 GHG emissions	10,416	3,930	3,461	(12) %
Scope 1&2 GHG emissions (market-based)	20,618	17,305	14,839	(14)%
Significant scope 3 GHG emissions				
Total Gross indirect (Scope 3) GHG emissions (tCO₂e)	405,569	334,119	319,571	(4)%
Percentage of primary data in Scope 3 (%)	n/a	n/a	5 %	n/a
1 Purchased goods and services ⁽¹⁾	293,619	254,498	247,399	(3) %
3 Fuel and energy-related activities	3,007	4,654	5,504	18 %
4 Upstream transportation and distribution ⁽¹⁾	36,633	31,086	21,640	(30) %
5 Waste generated in operations	3,628	2,630	2,470	(6) %
6 Business traveling	7,900	11,633	11,363	(2) %
7 Employee commuting	6,613	8,970	8,536	(5) %
11 Use of sold products	1,534	979	881	(10) %
12 End-of-life treatment of sold products	52,635	19,669	20,407	4 %
15 Investments	n/a	n/a	1,371	— %
Total GHG emissions	426,187	351,424	334,410	(5)%
Total GHG emissions (location-based) (tCO₂e)	435,010	366,999	345,667	(6)%
Total GHG emissions (market-based) (tCO₂e)	426,187	351,424	334,410	(5)%



Emissions reduction targets

While we began setting emission reduction goals in 2019, in 2021, we committed to reducing greenhouse gas emissions in line with the most recent criteria set out by the SBTi. These targets have been validated and approved by the SBTi early in 2023 and the SBTi has assessed our near-term and net-zero targets against the SBTi's Net-Zero Standard Criteria and the SBTi Near-Term Target Criteria and Recommendations. The SBTi target validation team has classified QIAGEN's scope 1 and 2 target ambition and has determined that it is in line with 1.5°C trajectory.

- Overall Net-Zero Target: QIAGEN commits to reach net-zero greenhouse gas emissions (GHG) across the value chain by 2050 from a 2020 base year.
- Near-Term Targets: QIAGEN commits to reduce absolute scope 1 and 2 GHG emissions 42% by 2030 from a 2020 base year. QIAGEN also commits to reduce absolute scope 3 GHG emissions from business travel, use of sold products and end-of-life treatment of sold products 25% within the same timeframe. QIAGEN further commits that 67% of its suppliers by emissions covering purchased goods and services, capital goods and upstream transportation and distribution will have science-based targets by 2027.
- Long-Term Targets: QIAGEN commits to reduce absolute Scope 1, 2 and 3 GHG emissions 90% by 2050 from a 2020 base year.



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2020 baseline.

- ISO 14001 certification of our largest manufacturing site in 2024.
- ISO 50001 certification achieved at our largest global manufacturing site in Hilden, Germany.
- Installation of a wood pellet burner and heat pumps at our largest manufacturing site in Hilden, Germany.
- Building Management System upgrades implemented at our Germantown, MD site in 2024 to reduce energy demand.
- Purchase of renewable energy certificates for electricity for our largest manufacturing site in Hilden and for all sites in North America and China
- Ongoing transition of company car fleet in the U.S., Germany, Switzerland, and Austria to hybrid or electric vehicles.
- Energy efficiency measures for our two primary manufacturing sites in Hilden, Germany and Germantown, MD, USA. These include.
 - Installation of photovoltaic systems on our own buildings to generate electricity.
 - Replacing gas and oil with renewable sources (such as wood pellets and heat pumps fueled by green electricity)
 - Replacing lighting with LEDs
 - Installation of motion-controlled lighting
 - Heat recovery (e.g., compressed air system)
 - Organizational changes (e.g., night-time reduction) and set-point adjustments in several areas and systems.

In 2023, we performed an analysis of the amount and the type of plastics contained in our top-selling products and analyzed the circularity aspects of the QIAamp DNA Mini Kit according to the Cradle to Cradle® Design Framework.

In the future we will implement further measures:

- Further transition to green energy through installation of solar panels and purchase of renewable energy certificates.
- Further promotion of the transition to electric cars to support CO2 reduction
- Advanced energy modelling during the design phase of new buildings

Carbon Reduction Plan

Supplier name: QIAGEN

Publication date: August, 2025.....



- Ongoing plastic reduction measures, to address emissions from purchased goods and services, and product end of life.
- Development of sustainable design guidelines to optimize purchased goods and the end-of-use of products. Adoption of a circularity approach in product development consisting of the 5Rs (Reduce, Recycle, Replace, Reuse and Recover).
- Bio-based polypropylene pilot project launched in 2024, with testing planned in 2025.
- Optimization of Service Level for EU direct deliveries (air to road) is realized in 2024.
- Feasibility study on pyrolysis conducted in 2024 to replace incineration of plastic waste at Hilden and Germantown sites. Further technical assessments planned in 2025.
- Supporting of our suppliers towards climate readiness by encouraging them to calculate carbon footprints and to set GHG emissions reduction targets as part of the SBTi engagement program. Workshops with selected suppliers are scheduled. These measures aim to reduce Scope 3.1 emissions.

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 board of directors (or equivalent management body).

Signed on behalf of the Supplier:

A handwritten signature in blue ink, appearing to be "A. Santos", is written over a dotted line.

Date: Aug 29, 2025