Thermo Fisher Scientific Inc.

2024 CDP Corporate Questionnaire 2024

This document represents a modified version of the CDP export for Thermo Fisher Scientific's CDP questionnaire response. Select questions and data points included in the CDP response have been removed.

10/03/2024, 08:38 pm

Contents

C1. Introduction

(1.3) Provide an overview and introduction to your organization.

(1.3.2) Organization type

Select from:

☑ Publicly traded organization

(1.3.3) Description of organization

Thermo Fisher Scientific Inc. (also referred to in this document as "Thermo Fisher," "we," the "Company," or the "registrant") is the world leader in serving science. 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. As the world leader in serving science, we understand the important role we play in improving lives worldwide as we help our customers diagnose disease, develop new treatments, protect our planet and keep people safe. This defines us as a Company and inspires our global colleagues to bring their best every day. Learn more about our initiatives in our 2023 Corporate Social Responsibility Report.

(1.4) State the end date of the year for which you are reporting data. For emissions data, indicate whether you will be providing emissions data for past reporting years.

(1.4.1) End date of reporting year

12/31/2023

(1.4.2) Alignment of this reporting period with your financial reporting period

Select from:

☑ Yes

(1.4.3) Indicate if you are providing emissions data for past reporting years

Select from:

☑ Yes

(1.4.4) Number of past reporting years you will be providing Scope 1 emissions data for

Select from:

☑ 5 years

(1.4.5) Number of past reporting years you will be providing Scope 2 emissions data for

Select from:

☑ 5 years

(1.4.6) Number of past reporting years you will be providing Scope 3 emissions data for

Select from:

☑ 2 years

(1.5) Provide details on your reporting boundary.

	Is your reporting boundary for your CDP disclosure the same as that used in your financial statements?
	Select from: ☑ Yes

(1.6) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?

ISIN code - bond

(1.6.1) Does your organization use this unique identifier?

Select from:

☑ Yes

ISIN code - equity

(1.6.1) Does your organization use this unique identifier?

Select from:

☑ Yes

(1.6.2) Provide your unique identifier

US8835561023

CUSIP number

(1.6.1) Does your organization use this unique identifier?

Select from:

☑ Yes

(1.6.2) Provide your unique identifier

883556 10 2

Ticker symbol

(1.6.1) Does your organization use this unique identifier?

Select from:

☑ Yes

(1.6.2) Provide your unique identifier

NYSE: TMO

SEDOL code

(1.6.1) Does your organization use this unique identifier?

Select from:
☑ Yes

(1.6.2) Provide your unique identifier

2886907

LEI number

(1.6.1) Does your organization use this unique identifier?

Select from:
☑ Yes

(1.6.2) Provide your unique identifier

HCHV7422L5HDJZCRFL38

D-U-N-S number

(1.6.1) Does your organization use this unique identifier?

Select from:
☑ Yes

(1.6.2) Provide your unique identifier

001408673

Other unique identifier

(1.6.1) Does your organization use this unique identifier?

Select from:

☑ No

(1.24) Has your organization mapped its value chain?

(1.24.1) Value chain mapped

Select from:

☑ Yes, we have mapped or are currently in the process of mapping our value chain

(1.24.2) Value chain stages covered in mapping

Select all that apply

☑ Upstream value chain

(1.24.3) Highest supplier tier mapped

Select from:

☑ Tier 1 suppliers

(1.24.4) Highest supplier tier known but not mapped

Select from:

☑ Tier 2 suppliers

(1.24.7) Description of mapping process and coverage

As part of our supplier responsibility program, Thermo Fisher has mapped the flow of activities across the value chain.

C2. Identification, assessment, and management of dependencies, impacts, risks, and opportunities

(2.1) How does your organization define short-, medium-, and long-term time horizons in relation to the identification, assessment, and management of your environmental dependencies, impacts, risks, and opportunities?

Short-term

(2.1.1) From (years)

0

(2.1.3) To (years)

3

(2.1.4) How this time horizon is linked to strategic and/or financial planning

This short-term definition comes from the Company's operating budget terms.

Medium-term

(2.1.1) From (years)

3

(2.1.3) To (years)

10

(2.1.4) How this time horizon is linked to strategic and/or financial planning

This falls outside of annually reviewed budget timelines, but within the long-term set goals of the Company.

Long-term

(2.1.1) From (years)

10

(2.1.2) Is your long-term time horizon open ended?

Select from:
☑ Yes

(2.1.4) How this time horizon is linked to strategic and/or financial planning

This timeline corresponds to the Company's long-term vision goals.

(2.2) Does your organization have a process for identifying, assessing, and managing environmental dependencies and/or impacts?

	Process in place	Dependencies and/or impacts evaluated in this process
	Select from: ☑ Yes	*Select from:* ☑ Both dependencies and impacts

(2.2.1) Does your organization have a process for identifying, assessing, and managing environmental risks and/or opportunities?

	Process in place	Risks and/or opportunities evaluated in this process	Is this process informed by the dependencies and/or impacts process?
	Select from: ☑ Yes	*Select from:* ☑ Both risks and opportunities	*Select from:* ☑ Yes

(2.2.2) Provide details of your organization's process for identifying, assessing, and managing environmental dependencies, impacts, risks, and/or opportunities.

Row 1

(2.2.2.1) Environmental issue

Select all that apply

☑ Climate change

(2.2.2.2) Indicate which of dependencies, impacts, risks, and opportunities are covered by the process for this environmental issue

Select all that apply

☑ Dependencies

☑ Impacts

☑ Risks

☑ Opportunities

(2.2.2.3) Value chain stages covered

Select all that apply

☑ Direct operations

☑ Upstream value chain

☑ Downstream value chain

(2.2.2.4) Coverage

Select from:

☑ Full

(2.2.2.5) Supplier tiers covered

Select all that apply

☑ Tier 1 suppliers

(2.2.2.7) Type of assessment

Select from:

☑ Qualitative and quantitative

(2.2.2.8) Frequency of assessment

Select from:

☑ Annually

(2.2.2.9) Time horizons covered

Select all that apply

☑ Short-term

☑ Medium-term

☑ Long-term

(2.2.2.10) Integration of risk management process

Select from:

☑ A specific environmental risk management process

(2.2.2.11) Location-specificity used

Select all that apply

☑ Site-specific

(2.2.2.12) Tools and methods used

Commercially/publicly available tools

☑ Other commercially/publicly available tools, please specify**:** Climanomics

Other

☑ Materiality assessment

☑ Scenario analysis

(2.2.2.13) Risk types and criteria considered

Acute physical

☑ Flood (coastal, fluvial, pluvial, ground water)

☑ Wildfires

Chronic physical

☑ Increased severity of extreme weather events

☑ Sea level rise

☑ Temperature variability

Policy

☑ Changes to national legislation

Market

☑ Changing customer behavior

Reputation

☑ Other reputation, please specify**:** The manner in which we address our climate performance, could adversely affect our corporate reputation, potentially diminishing our brand value as perceived by customers, investors, colleagues, and potential employees.

(2.2.2.14) Partners and stakeholders considered

Select all that apply

☑ Customers

☑ Employees

☑ Local communities

☑ Suppliers

(2.2.2.15) Has this process changed since the previous reporting year?

Select from:

☑ No

(2.2.2.16) Further details of process

To inform our enterprise risk management process of any specific risks and opportunities posed by climate change and/or the transition to a low-carbon economy we review insurance reports outlining flooding wildfires and extreme weather risks for Company sites. Site specific mitigation plans are developed to manage identified risks. In 2023 we conducted our first climate scenario analysis using the Climanomics platform which identifies and assesses climate-related risks through modelling the organizations properties to quantify the effect of various impacts under different scenarios and across the coming decades. We plan to integrate this analysis into our enterprise risk management process to better understand the potential impact of physical and transitional risks across low medium and high-case scenarios based on the Intergovernmental Panel on Climate Changes Representative Concentration Pathways. Urgent action is needed to avoid the worst impacts of climate change and we have prioritized the environment both as core to our Mission and integral to our business and sustainability strategies. Thermo Fisher's climate targets fulfil our pledge to align our climate strategy with the Paris Agreement to limit global temperature increase to 1.5C and represents an important milestone in our pursuit of a net-zero value chain by 2050 which includes Scope 1 2 and 3 targets that have been validated by the SBTi To manage climate-related risks and opportunities we have integrated net-zero into our business strategy as follows Transitioning away from fossil fuels and accelerating the adoption of renewable electricity to power our facilities By the end of 2023 150 Thermo Fisher sites across the globe used 100 renewable electricity Additionally we entered into three agreements that will enable us to power all of our current US sites with 100 renewable electricity and all of our current EU sites by 50 by 2026 Engaging with 90 of suppliers our largest source of Scope 3 emissions by spend to set science-based targets by 2027 To help reduce emissions across our global value chain we launched our climate engagement program for suppliers in 2022 By the end of 2023 18 of our suppliers by spend have set a science-based target and another 12 have committed to set a science-based target Designing products with the environment in mind Our ENERGY STAR certified products and greener product alternatives help scientists advance sustainability in the lab by minimizing the use of hazardous chemicals decreasing waste and material consumption and increasing

energy efficiency As our roadmap evolves we continue to frame our approach toward a broader range of emissions sources such as our fleet waste generation transportation and business travel With insights in these areas our colleagues and other stakeholders are critical partners in helping us achieve our goals.

Row 2

(2.2.2.1) Environmental issue

Select all that apply

☑ Water

(2.2.2.2) Indicate which of dependencies, impacts, risks, and opportunities are covered by the process for this environmental issue

Select all that apply

☑ Dependencies

☑ Impacts

☑ Risks

☑ Opportunities

(2.2.2.3) Value chain stages covered

Select all that apply

☑ Direct operations

(2.2.2.4) Coverage

Select from:

☑ Partial

(2.2.2.7) Type of assessment

Select from:

☑ Qualitative and quantitative

(2.2.2.8) Frequency of assessment

Select from:

☑ Annually

(2.2.2.9) Time horizons covered

Select all that apply

☑ Short-term

☑ Medium-term

(2.2.2.10) Integration of risk management process

Select from:

☑ A specific environmental risk management process

(2.2.2.11) Location-specificity used

Select all that apply

☑ Site-specific

(2.2.2.12) Tools and methods used

Commercially/publicly available tools

☑ WWF Water Risk Filter

☑ Other commercially/publicly available tools, please specify**:** USEPA Water Budget Tool, LEED v4 Indoor Water Use Reduction Tool

Other

☑ Scenario analysis

(2.2.2.13) Risk types and criteria considered

Chronic physical

☑ Water availability at a basin/catchment level

☑ Water stress

Technology

☑ Data access/availability or monitoring systems

(2.2.2.14) Partners and stakeholders considered

Select all that apply

☑ Customers

☑ Water utilities at a local level

(2.2.2.15) Has this process changed since the previous reporting year?

Select from:

☑ Yes

(2.2.2.16) Further details of process

To inform the enterprise of water-related risks and opportunities posed by climate change and the transition to a low-carbon economy, our assessment focuses on priority manufacturing and warehouse facilities. We strive to understand the potential risks across low-, medium- and high-case scenarios based on Representative Concentration Pathways per the Intergovernmental Panel on Climate Change. To meet the needs of our customers, which includes understanding operational risks, we conduct a quantitative and qualitative risk assessment. From a quantitative perspective, our risk process includes the evaluation of risks and opportunities based on their potential impact on certain key financial statement amounts and operating results (e.g., assets, revenues, earnings, cash flow, etc.). From a qualitative perspective, we evaluate risks and opportunities based on the consideration of all other relevant facts and circumstances including potential impact and probability of occurrence.

Row 3

(2.2.2.1) Environmental issue

Select all that apply

☑ Water

(2.2.2.2) Indicate which of dependencies, impacts, risks, and opportunities are covered by the process for this environmental issue

Select all that apply

☑ Dependencies

☑ Impacts

☑ Risks

☑ Opportunities

(2.2.2.3) Value chain stages covered

Select all that apply

☑ Upstream value chain

(2.2.2.4) Coverage

Select from:

☑ Partial

(2.2.2.5) Supplier tiers covered

Select all that apply

☑ Tier 1 suppliers

(2.2.2.7) Type of assessment

Select from:

☑ Qualitative and quantitative

(2.2.2.8) Frequency of assessment

Select from:

☑ Annually

(2.2.2.9) Time horizons covered

Select all that apply

☑ Short-term

(2.2.2.10) Integration of risk management process

Select from:

☑ A specific environmental risk management process

(2.2.2.11) Location-specificity used

Select all that apply

☑ Not location specific

(2.2.2.12) Tools and methods used

Commercially/publicly available tools

☑ EcoVadis

(2.2.2.13) Risk types and criteria considered

Market

☑ Inadequate access to water, sanitation, and hygiene services (WASH)

(2.2.2.14) Partners and stakeholders considered

Select all that apply

☑ Customers

☑ Suppliers

(2.2.2.15) Has this process changed since the previous reporting year?

Select from:

☑ No

(2.2.2.16) Further details of process

Thermo Fisher evaluates our supply chain partners on water management risk via the EcoVadis platform. In 2023, over 1400 suppliers within the Thermo Fisher network underwent an assessment of EcoVadis' environmental module. This assessment includes questions on policy, actions and results related to water and measures. The EcoVadis responses serve as a screen to identify potential risks that might warrant additional review and evaluation.

(2.2.7) Are the interconnections between environmental dependencies, impacts, risks and/or opportunities assessed?

(2.2.7.1) Interconnections between environmental dependencies, impacts, risks and/or opportunities assessed

Select from:

☑ Yes

(2.2.7.2) Description of how interconnections are assessed

To inform our enterprise risk management process of risks, dependencies, impacts and opportunities posed by climate change and/or water, we review insurance reports that outline flooding, wildfires and extreme weather events at our sites. Thermo Fisher quantitatively and qualitatively evaluates risks, opportunities, dependencies and impacts to identify the possible tradeoffs, alignments, synergies and contributions. From a quantitative perspective, we evaluate risks and opportunities based on their potential impact on certain key financial statement amounts and operating results (e.g., assets, revenues, earnings, cash flow, etc.). From a qualitative perspective, we evaluate risks and opportunities based on the consideration of all other relevant facts and circumstances including potential impact and probability of occurrence. An example where Thermo Fisher took a holistic approach to risk assessment would include our evaluation of acute physical and wildfire risk. Wildfires can impact facilities directly and potentially lead to operational shutdowns due to smoke and compromised air quality. While a majority of our sites are located in areas with a low risk of wildfires or other extreme weather events, we developed site-specific mitigation plans or identified opportunities to manage identified risks.

(2.3) Have you identified priority locations across your value chain?

(2.3.1) Identification of priority locations

Select from:

☑ Yes, we have identified priority locations

(2.3.2) Value chain stages where priority locations have been identified

Select all that apply

☑ Direct operations

(2.3.3) Types of priority locations identified

Sensitive locations

☑ Areas of limited water availability, flooding, and/or poor quality of water

(2.3.4) Description of process to identify priority locations

We made a commitment to assess water usage for current water-intensive manufacturing facilities in water scarce areas by 2024. Our 2023 water scarcity assessment was conducted using the WWF Water Risk Filter tool. In monitoring the water usage of facilities in high- or very-high-scarcity water basins, four water-intensive sites were identified. For two of these facilities, assessments of water usage and reduction opportunities were completed in 2023; the remaining two are on track for completion in 2024.

(2.3.5) Will you be disclosing a list/spatial map of priority locations?

Select from:

☑ No, we have a list/geospatial map of priority locations, but we will not be disclosing it

(2.4) How does your organization define substantive effects on your organization?

Risks

(2.4.1) Type of definition

Select all that apply

☑ Qualitative

☑ Quantitative

(2.4.2) Indicator used to define substantive effect

Select from:

☑ Other, please specify: Financial impact

(2.4.3) Change to indicator

Select from:

☑ Absolute increase

(2.4.6) Metrics considered in definition

Select all that apply

☑ Likelihood of effect occurring

(2.4.7) Application of definition

Our annual risk assessment process includes both a quantitative and qualitative assessment of risks and opportunities. From a quantitative perspective, we evaluate risks and opportunities based on their potential impact on certain key financial statement amounts and operating results (e.g., assets, revenues, earnings, cash flow, etc.). From a qualitative perspective, we evaluate risks and opportunities based on the consideration of all other relevant facts and circumstances, including potential impact and probability of occurrence. Both quantitative and qualitative assessments include the review risks with short-, medium-, and long-term impacts.

Opportunities

(2.4.1) Type of definition

Select all that apply

☑ Qualitative

☑ Quantitative

(2.4.2) Indicator used to define substantive effect

Select from:

☑ Other, please specify: Financial impact

(2.4.3) Change to indicator

Select from:

☑ Absolute increase

(2.4.6) Metrics considered in definition

Select all that apply

☑ Likelihood of effect occurring

(2.4.7) Application of definition

Our annual risk assessment process includes both a quantitative and qualitative assessment of risks and opportunities. From a quantitative perspective, we evaluate risks and opportunities based on their potential impact on certain key financial statement amounts and operating results (e.g., assets, revenues, earnings, cash flow, etc.). From a qualitative perspective, we evaluate risks and opportunities based on the consideration of all other relevant facts and circumstances, including potential impact and probability of occurrence. Both quantitative and qualitative assessments include the review risks with short-, medium-, and long-term impacts.

(2.5) Does your organization identify and classify potential water pollutants associated with its activities that could have a detrimental impact on water ecosystems or human health?

(2.5.1) Identification and classification of potential water pollutants

Select from:

☑ Yes, we identify and classify our potential water pollutants

(2.5.2) How potential water pollutants are identified and classified

We are actively working to eliminate the risk of adverse environmental impacts from wastewater discharge, with a specific focus on operations managing APIs. As mandated by regulatory requirements or determined by risk assessments, we require the collection and proper disposal of the first cleaning rinse of equipment used in the manufacturing or handling of APIs. This measure is taken to mitigate the release of known toxins and potent pharmaceuticals into the environment.

(2.5.1) Describe how your organization minimizes the adverse impacts of potential water pollutants on water ecosystems or human health associated with your activities.

Row 1

(2.5.1.1) Water pollutant category

Select from:

☑ Other synthetic organic compounds

(2.5.1.2) Description of water pollutant and potential impacts

Active pharmaceutical ingredients (APIs) are the biologically active ingredients in a pharmaceutical drug. One of the most significant impacts of environmental residues of pharmaceuticals is the development of antimicrobial resistance (AMR).Source: https://www.unep.org/explore-topics/chemicals-waste/what-we-do/emerging-issues/environmentally-persistent-pharmaceutical

(2.5.1.3) Value chain stage

Select all that apply

☑ Direct operations

(2.5.1.4) Actions and procedures to minimize adverse impacts

Select all that apply

☑ Beyond compliance with regulatory requirements

☑ Discharge treatment using sector-specific processes to ensure compliance with regulatory requirements

(2.5.1.5) Please explain

We are actively working to eliminate the risk of adverse environmental impacts from wastewater discharge, with a specific focus on operations managing APIs. As mandated by regulatory requirements or determined by risk assessments, we require the collection and proper disposal of the first cleaning rinse of equipment used in the manufacturing or handling of APIs. This measure is taken to mitigate the release of known toxins and potent pharmaceuticals into the environment.

C3. Disclosure of risks and opportunities

(3.1) Have you identified any environmental risks which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future?

Climate change

(3.1.1) Environmental risks identified

Select from:

☑ Yes, both in direct operations and upstream/downstream value chain

Water

(3.1.1) Environmental risks identified

Select from:

☑ No

(3.1.2) Primary reason why your organization does not consider itself to have environmental risks in your direct operations and/or upstream/downstream value chain

Select from:

☑ Environmental risks exist, but none with the potential to have a substantive effect on our organization

(3.1.3) Please explain

Water quality and quantity risks were assessed at a site level and determined not to be substantial.

(3.1.1) Provide details of the environmental risks identified which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future.

Climate change

(3.1.1.1) Risk identifier

Select from:

☑ Risk1

(3.1.1.3) Risk types and primary environmental risk driver

Acute physical

☑ Other acute physical risk, please specify**:** Extreme weather or natural disasters

(3.1.1.4) Value chain stage where the risk occurs

Select from:

☑ Direct operations

(3.1.1.6) Country/area where the risk occurs

Select all that apply

☑ United States Minor Outlying Islands

☑ United States of America

(3.1.1.9) Organization-specific description of risk

The majority of our global sites are prepared for extreme weather risks or are located in areas with low risk of such events. The manner in which we adapt the company's operations and supply chain to respond to climate change- related extreme weather events, rising temperatures and natural disasters could influence risks related to operational disruptions, property damage, higher cooling needs or changes to insurance coverage, premiums or deductibles for company facilities.

(3.1.1.11) Primary financial effect of the risk

Select from:

☑ Decreased revenues due to reduced production capacity

(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

☑ Short-term

☑ Medium-term

(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

☑ About as likely as not

(3.1.1.14) Magnitude

Select from:

☑ Medium

(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

The majority of our global sites are prepared for extreme weather risks or are located in areas with low risk of such events. Extreme weather or natural disasters can be difficult to fix in the short-term.

(3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

☑ No

(3.1.1.26) Primary response to risk

Infrastructure, technology and spending

☑ Improve maintenance of infrastructure

(3.1.1.27) Cost of response to risk

1300000

(3.1.1.28) Explanation of cost calculation

In 2023 nearly 23 risk improvements were undertaken across our global operations resulting in a reduced loss expectancy of approximately 236 million USD.

(3.1.1.29) Description of response

To manage identified physical risks associated with short-term extreme weather-related risks site-specific mitigation plans are developed. In recent years, risk improvements were undertaken across global operations. The most significant risk improvement activities were the continued roofing and window upgrades to improve resilience against windstorms at one of our largest sites in North Carolina Other improvements included but not limited to flood and wind resilience projects at sites in Italy and Puerto Rico respectively.

(3.1.2) Provide the amount and proportion of your financial metrics from the reporting year that are vulnerable to the substantive effects of environmental risks.

Climate change

(3.1.2.1) Financial metric

Select from:

☑ Other, please specify**:** None

(3.3) In the reporting year, was your organization subject to any fines, enforcement orders, and/or other penalties for water-related regulatory violations?

	Water-related regulatory violations	Fines, enforcement orders, and/or other penalties	Comment
	Select from: ☑ Yes	*Select all that apply* ☑ Fines	

(3.3.1) Provide the total number and financial value of all water-related fines.

(3.3.1.1) Total number of fines

1

(3.3.1.2) Total value of fines

100

(3.3.1.3) % of total facilities/operations associated

0.2

(3.3.1.4) Number of fines compared to previous reporting year

Select from:

☑ About the same

(3.3.1.5) Comment

In 2023, one Thermo Fisher facility was issued a compliance-related fine for wastewater permit exceedance. The fine was 100.

(3.5.3) Complete the following table for each of the tax systems you are regulated by.

Other carbon tax, please specify

(3.5.3.1) Period start date

01/01/2023

(3.5.3.2) Period end date

12/31/2023

(3.5.3.3) % of total Scope 1 emissions covered by tax

82

(3.5.3.4) Total cost of tax paid

860000

(3.5.3.5) Comment

Our UK facilities are subject to the UK Climate Change Levy related to the consumption of natural gas. Excludes Scope 1 emissions associated with fugitive refrigerant emissions. Total cost of tax paid is an approximation.

(3.6) Have you identified any environmental opportunities which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future?

Climate change

(3.6.1) Environmental opportunities identified

Select from:

☑ No

(3.6.2) Primary reason why your organization does not consider itself to have environmental opportunities

Select from:

☑ Opportunities exist, but none anticipated to have a substantive effect on organization

(3.6.3) Please explain

Environmental opportunities have been identified such as more sustainable products and investing in projects to improve energy efficiency, but the size of the opportunity is below the threshold to be considered substantial.

Water

(3.6.1) Environmental opportunities identified

Select from:

☑ No

(3.6.2) Primary reason why your organization does not consider itself to have environmental opportunities

Select from:

☑ Opportunities exist, but none anticipated to have a substantive effect on organization

(3.6.3) Please explain

Environmental opportunities have been identified such as more sustainable products and investing in projects to improve water efficiency, but the size of the opportunity is below the threshold to be considered substantial.

(3.6.1) Provide details of the environmental opportunities identified which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future.

Climate change

(3.6.1.3) Opportunity type and primary environmental opportunity driver

Energy source

☑ Use of renewable energy sources

C4. Governance

(4.1) Does your organization have a board of directors or an equivalent governing body?

(4.1.1) Board of directors or equivalent governing body

Select from:

☑ Yes

(4.1.2) Frequency with which the board or equivalent meets

Select from:

☑ Quarterly

(4.1.3) Types of directors your board or equivalent is comprised of

Select all that apply

☑ Executive directors or equivalent

☑ Independent non-executive directors or equivalent

(4.1.4) Board diversity and inclusion policy

Select from:

☑ Yes, and it is publicly available

(4.1.5) Briefly describe what the policy covers

The policy includes the consideration of race, gender, ethnicity, age, culture, and nationality.

(4.1.6) Attach the policy (optional)

Thermo Fisher Scientific Corporate Governance Guidelines.pdf

(4.1.1) Is there board-level oversight of environmental issues within your organization?

	Board-level oversight of this environmental issue
Climate change	*Select from:* ☑ Yes
Water	*Select from:* ☑ Yes

(4.1.2) Identify the positions (do not include any names) of the individuals or committees on the board with accountability for environmental issues and provide details of the board's oversight of environmental issues.

Climate change

(4.1.2.1) Positions of individuals or committees with accountability for this environmental issue

Select all that apply

☑ Board-level committee

(4.1.2.2) Positions' accountability for this environmental issue is outlined in policies applicable to the board

Select from:

☑ Yes

(4.1.2.3) Policies which outline the positions' accountability for this environmental issue

Select all that apply

☑ Board Terms of Reference

(4.1.2.4) Frequency with which this environmental issue is a scheduled agenda item

Select from:

☑ Scheduled agenda item in some board meetings – at least annually

(4.1.2.5) Governance mechanisms into which this environmental issue is integrated

Select all that apply

☑ Reviewing and guiding annual budgets

☑ Overseeing and guiding scenario analysis

☑ Overseeing the setting of corporate targets

☑ Monitoring progress towards corporate targets

☑ Overseeing and guiding public policy engagement

☑ Monitoring supplier compliance with organizational requirements

☑ Reviewing and guiding innovation/R&D priorities

☑ Approving and/or overseeing employee incentives

☑ Overseeing and guiding major capital expenditures

☑ Monitoring the implementation of a climate transition plan

☑ Overseeing and guiding the development of a business strategy

☑ Reviewing and guiding the assessment process for dependencies, impacts, risks, and opportunities

☑ Other, please specify**:** Overseeing and guiding value chain engagement

(4.1.2.7) Please explain

The Nominating and Corporate Governance Committee (N&CG Committee) oversees corporate governance, priorities, risks and external reporting related to CSR matters, and political spending strategy. In 2023, the Committee reviewed the Company's corporate social responsibility progress and key initiatives including a review and endorsement of the new 2030 renewable electricity commitment to achieve 80% renewable electricity globally, in alignment with the Sustainable Markets Initiative (SMI) Health Systems Task Force joint supplier standards. In coordination with the N&CG Committee, the Audit Committee of the Board oversees public disclosures on these matters in the Company's SEC filings as well as the data quality related to such reporting. The Compensation Committee oversees risks related to compensation practices, pay for performance (including non-financial ESG strategic targets), and talent management and succession planning of executive officers. The Science and Technology Committee advises the Board on new and emerging innovations, markets and applications of Company products, and receives updates on matters involving bioethics and the use of our technologies. The Enterprise Risk Management team presents to the Board of Directors annually, following an extensive cross-functional review, and includes climate change risk as appropriate. Individual risk topics are presented to the Board of Directors and its committees, as applicable during regularly scheduled meetings.

Water

(4.1.2.1) Positions of individuals or committees with accountability for this environmental issue

Select all that apply

☑ Board-level committee

(4.1.2.2) Positions' accountability for this environmental issue is outlined in policies applicable to the board

Select from:

☑ Yes

(4.1.2.3) Policies which outline the positions' accountability for this environmental issue

Select all that apply

☑ Board Terms of Reference

(4.1.2.4) Frequency with which this environmental issue is a scheduled agenda item

Select from:

☑ Scheduled agenda item in some board meetings – at least annually

(4.1.2.5) Governance mechanisms into which this environmental issue is integrated

Select all that apply

☑ Reviewing and guiding annual budgets

☑ Overseeing the setting of corporate targets

☑ Reviewing and guiding innovation/R&D priorities

☑ Approving and/or overseeing employee incentives

☑ Overseeing and guiding the development of a business strategy

☑ Reviewing and guiding the assessment process for dependencies, impacts, risks, and opportunities

(4.1.2.7) Please explain

The Nominating and Corporate Governance Committee (N&CG Committee) of the Board of Directors oversees corporate governance, priorities, risks and external reporting related to corporate social responsibility (CSR) matters, including those related to water. In coordination with the N&CG Committee, the Audit Committee of the Board oversees public disclosures on these matters in the Company's SEC filings as well as the data quality related to such reporting. The Enterprise Risk Management team presents to the Board of Directors annually, following an extensive cross-functional review, and includes climate change risk as appropriate. Individual risk topics are presented to the Board of Directors and its committees, as applicable during regularly scheduled meetings.

(4.2) Does your organization’s board have competency on environmental issues?

Climate change

(4.2.1) Board-level competency on this environmental issue

Select from:

☑ Yes

(4.2.2) Mechanisms to maintain an environmentally competent board

Select all that apply

☑ Consulting regularly with an internal, permanent, subject-expert working group

☑ Having at least one board member with expertise on this environmental issue

(4.2.3) Environmental expertise of the board member

Experience

☑ Executive-level experience in a role focused on environmental issues

Water

(4.2.1) Board-level competency on this environmental issue

Select from:

☑ Yes

(4.2.2) Mechanisms to maintain an environmentally competent board

Select all that apply

☑ Consulting regularly with an internal, permanent, subject-expert working group

☑ Having at least one board member with expertise on this environmental issue

(4.2.3) Environmental expertise of the board member

Experience

☑ Executive-level experience in a role focused on environmental issues

(4.3) Is there management-level responsibility for environmental issues within your organization?

	Management-level responsibility for this environmental issue
Climate change	*Select from:* ☑ Yes
Water	*Select from:* ☑ Yes

(4.3.1) Provide the highest senior management-level positions or committees with responsibility for environmental issues (do not include the names of individuals).

Climate change

(4.3.1.1) Position of individual or committee with responsibility

Executive level

☑ Other C-Suite Officer, please specify**:** Senior Vice President, Global Business Services

(4.3.1.2) Environmental responsibilities of this position

Dependencies, impacts, risks and opportunities

☑ Assessing environmental dependencies, impacts, risks, and opportunities

☑ Assessing future trends in environmental dependencies, impacts, risks, and opportunities
☑ Managing environmental dependencies, impacts, risks, and opportunities

Engagement
☑ Managing supplier compliance with environmental requirements
☑ Managing value chain engagement related to environmental issues

Policies, commitments, and targets
☑ Measuring progress towards environmental corporate targets
☑ Measuring progress towards environmental science-based targets
☑ Setting corporate environmental policies and/or commitments
☑ Setting corporate environmental targets

Strategy and financial planning
☑ Developing a climate transition plan
☑ Managing major capital and/or operational expenditures relating to environmental issues
☑ Implementing a climate transition plan
☑ Managing annual budgets related to environmental issues
☑ Implementing the business strategy related to environmental issues
☑ Managing environmental reporting, audit, and verification processes

(4.3.1.4) Reporting line

Select from:
☑ Reports to the Chief Financial Officer (CFO)

(4.3.1.5) Frequency of reporting to the board on environmental issues

Select from:
☑ Annually

(4.3.1.6) Please explain

This position oversees the climate program, including the implementation of policies and monitors progress against our climate-related targets.

Water

(4.3.1.1) Position of individual or committee with responsibility

Executive level

☑ Other C-Suite Officer, please specify**:** Senior Vice President, Global Business Services

(4.3.1.2) Environmental responsibilities of this position

Dependencies, impacts, risks and opportunities

☑ Assessing environmental dependencies, impacts, risks, and opportunities

☑ Assessing future trends in environmental dependencies, impacts, risks, and opportunities

☑ Managing environmental dependencies, impacts, risks, and opportunities

Engagement

☑ Managing supplier compliance with environmental requirements

☑ Managing value chain engagement related to environmental issues

Policies, commitments, and targets

☑ Measuring progress towards environmental corporate targets

☑ Measuring progress towards environmental science-based targets

☑ Setting corporate environmental policies and/or commitments

☑ Setting corporate environmental targets

Strategy and financial planning

☑ Developing a climate transition plan

☑ Implementing a climate transition plan

☑ Managing annual budgets related to environmental issues

☑ Managing acquisitions, mergers, and divestitures related to environmental issues

☑ Managing major capital and/or operational expenditures relating to environmental issues

☑ Implementing the business strategy related to environmental issues
☑ Managing environmental reporting, audit, and verification processes

(4.3.1.4) Reporting line

Select from:
☑ Reports to the Chief Financial Officer (CFO)

(4.3.1.5) Frequency of reporting to the board on environmental issues

Select from:
☑ Annually

(4.3.1.6) Please explain

This position oversees the climate program, including the implementation of policies and monitors progress against our water-related targets.

(4.5) Do you provide monetary incentives for the management of environmental issues, including the attainment of targets?

Climate change

(4.5.1) Provision of monetary incentives related to this environmental issue

Select from:
☑ Yes

(4.5.2) % of total C-suite and board-level monetary incentives linked to the management of this environmental issue

5

(4.5.3) Please explain

In 2023, 5.1% of the CEOs target compensation and 4.8% of Named Executive Officers average target compensation was an annual incentive based on performance goals tied to nonfinancial strategic measures, the including making quantitative progress on our greenhouse gas emission reduction goals. Management of climate as an environmental issue is one element of a holistic review. See our 2024 Proxy Statement for additional details.

Water

(4.5.1) Provision of monetary incentives related to this environmental issue

Select from:

☑ No, and we do not plan to introduce them in the next two years

(4.5.1) Provide further details on the monetary incentives provided for the management of environmental issues (do not include the names of individuals).

Climate change

(4.5.1.1) Position entitled to monetary incentive

Board or executive level

☑ Chief Executive Officer (CEO)

(4.5.1.2) Incentives

Select all that apply

☑ Bonus - % of salary

(4.5.1.3) Performance metrics

Targets

☑ Progress towards environmental targets

Emission reduction

☑ Reduction in absolute emissions

(4.5.1.4) Incentive plan the incentives are linked to

Select from:

☑ Short-Term Incentive Plan, or equivalent, only (e.g. contractual annual bonus)

(4.5.1.5) Further details of incentives

In 2023, 5.1% of the CEOs target compensation and 4.8% of Named Executive Officers average target compensation was an annual incentive based on performance goals tied to nonfinancial strategic measures, the including making quantitative progress on our greenhouse gas emission reduction goals. Management of climate as an environmental issue is one element of a holistic review. See our 2024 Proxy Statement for additional details.

(4.5.1.6) How the position's incentives contribute to the achievement of your environmental commitments and/or climate transition plan

This incentive is linked to progress toward our SBTi validated Scope 1 and 2 absolute reduction target.

(4.6) Does your organization have an environmental policy that addresses environmental issues?

	Does your organization have any environmental policies?
	Select from: ☑ Yes

(4.6.1) Provide details of your environmental policies.

Row 1

(4.6.1.1) Environmental issues covered

Select all that apply

☑ Climate change

☑ Water

(4.6.1.2) Level of coverage

Select from:

☑ Organization-wide

(4.6.1.3) Value chain stages covered

Select all that apply

☑ Direct operations

☑ Upstream value chain

(4.6.1.4) Explain the coverage

Thermo Fisher Scientific is committed to protecting the environment, health and safety of our employees, customers and the communities where we operate. All employees are responsible for delivering on these commitments. Leaders at all levels of the organization are responsible for ensuring compliance and creating a culture of continuous improvement in our environmental, health and safety performance.

(4.6.1.5) Environmental policy content

Environmental commitments

☑ Commitment to comply with regulations and mandatory standards

☑ Commitment to stakeholder engagement and capacity building on environmental issues

Climate-specific commitments

☑ Commitment to net-zero emissions

☑ Commitment to not invest in fossil-fuel expansion

☑ Other climate-related commitment, please specify**:** Advance environmental sustainability by promoting energy efficiency, water stewardship, waste minimization and recycling, and designing products with the environment in mind;

Water-specific commitments

☑ Commitment to control/reduce/eliminate water pollution

☑ Commitment to safely managed WASH in local communities

☑ Commitment to water stewardship and/or collective action

Additional references/Descriptions

☑ Reference to timebound environmental milestones and targets

(4.6.1.6) Indicate whether your environmental policy is in line with global environmental treaties or policy goals

Select all that apply

☑ Yes, in line with the Paris Agreement

(4.6.1.7) Public availability

Select from:

☑ Publicly available

(4.10) Are you a signatory or member of any environmental collaborative frameworks or initiatives?

(4.10.1) Are you a signatory or member of any environmental collaborative frameworks or initiatives?

Select from:

☑ Yes

(4.10.2) Collaborative framework or initiative

Select all that apply

☑ Race to Zero Campaign

☑ Science-Based Targets Initiative (SBTi)

☑ UN Global Compact

☑ We Mean Business

☑ Other, please specify**:** Renewable Thermal Collaborative, BioPhorum, Pistoia Alliance's Clinical Trial Environmental Impact Community, USEPA Green Power Partnership

(4.10.3) Describe your organization's role within each framework or initiative

Thermo Fisher became a signatory to the Business Ambition for 1.5C in 2021 and fulfilled its obligation when SBTi validated our near-term and net-zero target in 2023. Since 2019, Thermo Fisher has been a signatory to the UN Global Compact, which supports companies in their alignment with the Ten Principles on human rights, labor, environment, and anti-corruption. BioPhorum, a membership organization that facilitates global industry collaboration to accelerate sustainability progress within the biopharmaceutical and device sectors; in 2023, we contributed to the development of an industry position statement for developing a harmonized approach to product carbon footprint data for the biopharma industry. Pistoia Alliance's Clinical Trial Environmental Impact Community, an organization focused on quantifying the greenhouse gas impact of decentralized clinical trials and identifying key levers to reduce those impacts; Thermo Fisher is proud to serve on the steering committee. Since 2021, Thermo Fisher has voluntarily disclosed renewable power usage through the US EPA Green Power Partnership. Our participation in this initiative is grounded in our desire to transition away from fossil fuels, toward renewables and to inspire industry partners.

(4.11) In the reporting year, did your organization engage in activities that could directly or indirectly influence policy, law, or regulation that may (positively or negatively) impact the environment?

(4.11.1) External engagement activities that could directly or indirectly influence policy, law, or regulation that may impact the environment

Select all that apply

☑ Yes, we engaged indirectly through, and/or provided financial or in-kind support to a trade association or other intermediary organization or individual whose activities could influence policy, law, or regulation

(4.11.2) Indicate whether your organization has a public commitment or position statement to conduct your engagement activities in line with global environmental treaties or policy goals

Select from:

☑ No, and we do not plan to have one in the next two years

(4.11.5) Indicate whether your organization is registered on a transparency register

Select from:

☑ Yes

(4.11.6) Types of transparency register your organization is registered on

Select all that apply

☑ Mandatory government register

(4.11.7) Disclose the transparency registers on which your organization is registered & the relevant ID numbers for your organization

EU Transparency Register; REG Number: 067438810848-61

(4.11.8) Describe the process your organization has in place to ensure that your external engagement activities are consistent with your environmental commitments and/or transition plan

We will be developing processes over the next 24 months to ensure that our engagement activities are consistent with our environmental sustainability strategy to enable our customers to make the world healthier, cleaner and safer.

(4.11.2) Provide details of your indirect engagement on policy, law, or regulation that may (positively or negatively) impact the environment through trade associations or other intermediary organizations or individuals in the reporting year.

Row 1

(4.11.2.1) Type of indirect engagement

Select from:

☑ Indirect engagement via a trade association

(4.11.2.4) Trade association

North America

☑ National Association of Manufacturers

(4.11.2.5) Environmental issues relevant to the policies, laws, or regulations on which the organization or individual has taken a position

Select all that apply

☑ Climate change

(4.11.2.6) Indicate whether your organization's position is consistent with the organization or individual you engage with

Select from:

☑ Consistent

(4.11.2.7) Indicate whether your organization attempted to influence the organization or individual's position in the reporting year

Select from:

☑ No, we did not attempt to influence their position

(4.11.2.8) Describe how your organization's position is consistent with or differs from the organization or individual's position, and any actions taken to influence their position

The NAM has expressed alignment with the objectives of the Paris Climate Agreement to significantly reduce the risks and impacts of global climate change. The NAM acknowledges the need for domestic action and international cooperation to limit global temperatures consistent with the Paris Agreement and supports the position that the United States and the international community should continue to reduce GHG emissions through innovation and developing new technologies to achieve this goal, while leveraging existing digital technologies that enable decarbonization and sustainability. Further recommendations from the NAM are compiled in the association's paper The Promise Ahead.

(4.11.2.11) Indicate if you have evaluated whether your organization's engagement is aligned with global environmental treaties or policy goals

Select from:

☑ No, we have not evaluated

(4.12.1) Provide details on the information published about your organization's response to environmental issues for this reporting year in places other than your CDP response. Please attach the publication.

Row 1

(4.12.1.1) Publication

Select from:

☑ In voluntary sustainability reports

(4.12.1.3) Environmental issues covered in publication

Select all that apply

☑ Climate change

☑ Water

(4.12.1.4) Status of the publication

Select from:

☑ Complete

(4.12.1.5) Content elements

Select all that apply

☑ Strategy

☑ Governance

☑ Emission targets

☑ Emissions figures

☑ Risks & Opportunities

☑ Water accounting figures

(4.12.1.6) Page/section reference

Environmental Section on pages 51 to 62 Environmental Data on pages 65 to 67

(4.12.1.7) Relevant publication

2023 Corporate Social Responsibility Report - https://corporate.thermofisher.com/content/dam/tfcorpsite/documents/corporate-social-responsibility/annual-reports/2023-CSR-Report.pdf

Row 3

(4.12.1.1) Publication

Select from:

☑ In mainstream reports

(4.12.1.3) Environmental issues covered in publication

Select all that apply

☑ Climate change

(4.12.1.4) Status of the publication

Select from:

☑ Complete

(4.12.1.5) Content elements

Select all that apply

☑ Risks & Opportunities

☑ Strategy

☑ Emission targets

(4.12.1.6) Page/section reference

Climate discussed on page 4.

(4.12.1.7) Relevant publication

Thermo Fisher 2023 Annual Report - https://s27.q4cdn.com/797047529/files/doc_financials/2023/ar/2023-annual-report.pdf

Row 4

(4.12.1.1) Publication

Select from:

☑ In mainstream reports, in line with environmental disclosure standards or frameworks

(4.12.1.2) Standard or framework the report is in line with

Select all that apply

☑ TCFD

(4.12.1.3) Environmental issues covered in publication

Select all that apply

☑ Climate change

(4.12.1.4) Status of the publication

Select from:

☑ Complete

(4.12.1.5) Content elements

Select all that apply

☑ Governance

☑ Risks & Opportunities

☑ Strategy

(4.12.1.6) Page/section reference

TCFD Index on pages 80 to 81

(4.12.1.7) Relevant publication

2023 Corporate Social Responsibility Report - https://corporate.thermofisher.com/content/dam/tfcorpsite/documents/corporate-social-responsibility/annual-reports/2023-CSR-Report.pdf

Row 5

(4.12.1.1) Publication

Select from:

☑ In mainstream reports, in line with environmental disclosure standards or frameworks

(4.12.1.2) Standard or framework the report is in line with

Select all that apply

☑ GRI

(4.12.1.3) Environmental issues covered in publication

Select all that apply

☑ Water

(4.12.1.4) Status of the publication

Select from:

☑ Complete

(4.12.1.5) Content elements

Select all that apply

☑ Water accounting figures

(4.12.1.6) Page/section reference

GRI Index on pages 73 to 78

(4.12.1.7) Relevant publication

2023 Corporate Social Responsibility Report - https://corporate.thermofisher.com/content/dam/tfcorpsite/documents/corporate-social-responsibility/annual-reports/2023-CSR-Report.pdf

C5. Business strategy

(5.1) Does your organization use scenario analysis to identify environmental outcomes?

Climate change

(5.1.1) Use of scenario analysis

Select from:
☑ Yes

(5.1.2) Frequency of analysis

Select from:
☑ Annually

Water

(5.1.1) Use of scenario analysis

Select from:
☑ Yes

(5.1.2) Frequency of analysis

Select from:
☑ Annually

(5.1.1) Provide details of the scenarios used in your organization’s scenario analysis.

Climate change

(5.1.1.1) Scenario used

Physical climate scenarios

☑ RCP 6.0

(5.1.1.2) Scenario used SSPs used in conjunction with scenario

Select from:

☑ SSP3

(5.1.1.3) Approach to scenario

Select from:

☑ Qualitative and quantitative

(5.1.1.4) Scenario coverage

Select from:

☑ Organization-wide

(5.1.1.5) Risk types considered in scenario

Select all that apply

☑ Acute physical

(5.1.1.6) Temperature alignment of scenario

Select from:

☑ 3.0°C - 3.4°C

(5.1.1.7) Reference year

2020

(5.1.1.8) Timeframes covered

Select all that apply

☑ 2030

☑ 2050

(5.1.1.9) Driving forces in scenario

Local ecosystem asset interactions, dependencies and impacts

☑ Climate change (one of five drivers of nature change)

(5.1.1.10) Assumptions, uncertainties and constraints in scenario

The intermediate scenario pathway "represents a world with unequal and unstable socio-economic development (SSP3) and high GHG emission levels, leading to an increase of global mean surface temperature of approximately 2C to 3.7C by the end of the 21st century" (source: WWF Water Risk Filter). This scenario was used by the Climanomics platform. This scenario was also utilized with the WWF Water Risk Filter Tool to understand from a qualitative perspective the climate-related risks associated with water (e.g., flooding, water scarcity) in 2030 and 2050.

(5.1.1.11) Rationale for choice of scenario

By evaluating qualitative and quantitative climate scenarios, we are prepared to support future investment and facility siting. For existing sites, this scenario informs decision-making and the future strategy of our operations, as sites are impacted by the acute and chronic risks explored.

Water

(5.1.1.1) Scenario used

Water scenarios

☑ WWF Water Risk Filter

(5.1.1.3) Approach to scenario

Select from:

☑ Qualitative and quantitative

(5.1.1.4) Scenario coverage

Select from:

☑ Organization-wide

(5.1.1.5) Risk types considered in scenario

Select all that apply

☑ Acute physical

☑ Market

(5.1.1.7) Reference year

2020

(5.1.1.8) Timeframes covered

Select all that apply

☑ 2030

☑ 2050

(5.1.1.9) Driving forces in scenario

Local ecosystem asset interactions, dependencies and impacts

☑ Climate change (one of five drivers of nature change)

(5.1.1.10) Assumptions, uncertainties and constraints in scenario

The two scenarios utilized include the high-end scenario pathway representing a world with unequal and unstable socio-economic development (SSP3) and high GHG emission levels as a result of climate change (RCP6.0 /RCP8.5) and the current trend scenario pathway representing a world similar to current socio-economic development trends (SSP2) and intermediate GHG emission levels (RCP4.5 /RCP6.0).

(5.1.1.11) Rationale for choice of scenario

By utilizing the analysis of the combined outputs from Climanomics and the WWF Water Risk Filter, we are able to understand that water scarcity is a regionally specific variable to consider. This analysis can provide context to support future investment and facility siting. For existing facilities in these regions, it also indicates that we should become more aware of local policy and its impact from a financial and reputation perspective.

Climate change

(5.1.1.1) Scenario used

Climate transition scenarios

☑ IEA NZE 2050

(5.1.1.3) Approach to scenario

Select from:

☑ Qualitative

(5.1.1.4) Scenario coverage

Select from:

☑ Organization-wide

(5.1.1.5) Risk types considered in scenario

Select all that apply

☑ Acute physical

☑ Market

(5.1.1.6) Temperature alignment of scenario

Select from:

☑ 1.5°C or lower

(5.1.1.7) Reference year

2020

(5.1.1.8) Timeframes covered

Select all that apply

☑ 2025

☑ 2030

☑ Other, please specify :2035, 2045

(5.1.1.9) Driving forces in scenario

Local ecosystem asset interactions, dependencies and impacts

☑ Climate change (one of five drivers of nature change)

Regulators, legal and policy regimes

☑ Global targets

(5.1.1.10) Assumptions, uncertainties and constraints in scenario

"The Net Zero Emissions by 2050 Scenario (NZE) is a normative IEA scenario that shows a narrow but achievable pathway for the global energy sector to achieve net zero CO2 emissions by 2050, with advanced economies reaching net zero emissions in advance of others. This scenario also meets key energy-related United Nations Sustainable Development Goals (SDGs 7 and 13), in particular by achieving universal energy access by 2030 and major improvements in air quality. It is consistent with limiting the global temperature rise to 1.5 C with no or limited temperature overshoot (with a 50% probability), in line with reductions assessed in the IPCC in its Sixth Assessment Report." Source: https://www.iea.org/reports/world-energy-model/net-zero-emissions-by-2050-scenario-nze A qualitative evaluation against the policy assumptions with a IEA NZE scenario indicates strong alignment with our net-zero strategy, particularly our approach to transition away from fossil fuels, which will require continued investment. Examples of policy assumptions include: 2025: No new sales of fossil fuel boilers. 2030: 60% of global car sales are electric vehicles. 2035: Overall net zero-emissions electricity in advanced economies. 2045: 50% of heating demand met by heat pumps.

(5.1.1.11) Rationale for choice of scenario

The NZE scenario through IEA informs decision-making and supports the development of our future strategy. Through the qualitative and quantitative analysis, our assumptions are confirmed and our approach to address climate change is solidified. As Thermo Fisher decarbonizes within our operations, we are engaging with the market and industry partners to ensure we are all collectively moving toward a future where the rise in global temperature is limited to 1.5 C.

(5.1.2) Provide details of the outcomes of your organization’s scenario analysis.

Climate change

(5.1.2.1) Business processes influenced by your analysis of the reported scenarios

Select all that apply

☑ Risk and opportunities identification, assessment and management

☑ Strategy and financial planning

☑ Target setting and transition planning

(5.1.2.2) Coverage of analysis

Select from:

☑ Organization-wide

(5.1.2.3) Summarize the outcomes of the scenario analysis and any implications for other environmental issues

Our focal questions centered on: - What possible future developments need to be probed? - What variables are needed to support decision-making? - What forces and developments have the greatest ability to shape future performance? By utilizing the Climanomics platform and physical scenario analysis of the WWF Water Risk Filter Tool, we better understand that acute and chronic risks such as wildfires, coastal flooding, and drought are regionally specific variables to consider. This qualitative analysis can provide context to support future investment and facility siting. For existing facilities in these regions, it also supports the need for ongoing awareness of local policy and its impact from a financial and reputational perspective.

Water

(5.1.2.1) Business processes influenced by your analysis of the reported scenarios

Select all that apply

☑ Risk and opportunities identification, assessment and management

☑ Strategy and financial planning

(5.1.2.2) Coverage of analysis

Select from:

☑ Organization-wide

(5.1.2.3) Summarize the outcomes of the scenario analysis and any implications for other environmental issues

Our focal questions centered on: - What possible future developments need to be probed? - What variables are needed to support decision-making? - What forces and developments have the greatest ability to shape future performance? By utilizing the physical scenario analysis of the WWF Water Risk Filter Tool, we better understand that water scarcity is a regionally specific variable to consider both now and in the future. Through the WWF Basin Physical Risk analysis, we identified 1 site in California that operates in a high-risk area. Informed by the scenario outcomes, we developed a site mitigation plan and will be completing an opportunity site assessment focused on reducing water consumption. The qualitative analysis provides context to support future investment and facility siting. For existing facilities in these regions, it also indicates that we should become more aware of local policy and its impact from a financial and reputation perspective.

(5.2) Does your organization’s strategy include a climate transition plan?

(5.2.1) Transition plan

Select from:

☑ Yes, we have a climate transition plan which aligns with a 1.5°C world

(5.2.3) Publicly available climate transition plan

Select from:

☑ Yes

(5.2.4) Plan explicitly commits to cease all spending on, and revenue generation from, activities that contribute to fossil fuel expansion

Select from:

☑ No, and we do not plan to add an explicit commitment within the next two years

(5.2.6) Explain why your organization does not explicitly commit to cease all spending on and revenue generation from activities that contribute to fossil fuel expansion

In 2023, Thermo Fisher implemented net-zero guidance to address capital and operational expenditure linked to fossil fuel expansion. The Net-Zero Building Design Guide was introduced and outlines mandatory measures such as eliminating the use of fossil fuels for all new building construction and major renovation projects. GHG impacts were incorporated into our capital request process, requiring an exception for any project that adds or extends fossil fuel consumption. The carbon capital plan was also introduced through the net-zero guidance as it aims to support the execution of the transition away from fossil fuel and high-impact refrigerant assets across the company. Link to Net-Zero Building Design Guide: https://corporate.thermofisher.com/content/tfcorpsite/us/en/index/about/suppliers/supplier-resources.html#Net%20Zero%20Design%20Guide

(5.2.7) Mechanism by which feedback is collected from shareholders on your climate transition plan

Select from:

☑ We have a different feedback mechanism in place

(5.2.8) Description of feedback mechanism

We are committed to an active and robust shareholder engagement program. Understanding the perspectives of our shareholders is a key component of good corporate governance. The goals of our shareholder engagement program include: • Providing visibility and transparency into our business, our financial and operational performance, and our strategy; • Determining which issues are important to our shareholders and sharing our views on those issues; and • Discussing and seeking feedback on our business, executive compensation, corporate governance policies and practices, and, sustainability initiatives. In addition, our stakeholder engagement program includes proactive outreach on a regular basis throughout the year to help us understand our stakeholders' evolving interests and expectations as we build strong relationships and mutual understanding of the issues most relevant to the Company's success. These interactions are invaluable as stakeholder input informs our CSR strategy and climate transition plan, which is actively refreshed to identify opportunities to create value and minimize risk.

(5.2.9) Frequency of feedback collection

Select from:

☑ More frequently than annually

(5.2.10) Description of key assumptions and dependencies on which the transition plan relies

Key assumption for our climate transition plan: Collective action within the supply chain: The majority of Thermo Fisher's emissions are generated upstream of our value chain. It will take collective action to decarbonize the supply chain and move towards a future aligned with limiting the rise in global temperature to 1.5C. Recognizing the substantial impact of Scope 3 emissions for most companies, including our customers, Thermo Fisher spearheaded an effort to support decarbonization across the value chain. In 2023, we partnered with one of our value chain partners in the aggregated 127 MW Spanish virtual purchase power agreement, Serbal Solar. The project reflects a decarbonization best practice and will simultaneously reduce Thermo Fisher's Scope 2 emissions and our value chain partner's Scope 3 emissions. Key dependency for our climate transition plan: Risk management: As we operate globally, we understand the variability of regional climate-related environmental issues. The ability to manage and mitigate acute and chronic risks is crucial to the future of our business. Scenario analysis' and risk evaluations are regularly completed to inform organization strategies and our climate transition plan.

(5.2.11) Description of progress against transition plan disclosed in current or previous reporting period

At the end of 2023, we remained on track to achieve our 2030 target. Our Scope 1 and Scope 2 emissions were more than 29% lower than our 2018 baseline, and 16 sites were fossil-fuel free. Additionally, 9 megawatts (MW) of on-site solar power was generated and consumed onsite, with 1.6 MW installed at five facilities in 2023. Year over year, we have reduced Scope 1 and 2 emissions 6% by increasing our procurement of renewable electricity. Operational net-zero guidance was introduced in 2023, aligning the organization on a shared path toward achieving our climate goals. The guidance focuses on eliminating the use of fossil fuels for all new building construction and major renovation projects. GHG impacts were incorporated into our capital request process, requiring an exception for any project that adds or extends fossil fuel consumption. The carbon capital plan was also introduced through the net-zero guidance as it aims to support the execution of the transition away from fossil fuel and high-impact refrigerant assets across the company. Through our Scope 3 program, we enhanced supplier engagement, training and capability building in 2023, including hosting our first Supplier Day event. By the end of 2023, 18% of our suppliers by spend had accomplished this, and an additional 12% committed to set a science-based target.

(5.2.12) Attach any relevant documents which detail your climate transition plan (optional)

Thermo Fisher 2023 CSR Report.pdf

(5.2.13) Other environmental issues that your climate transition plan considers

Select all that apply

☑ No other environmental issue considered

(5.3) Have environmental risks and opportunities affected your strategy and/or financial planning?

(5.3.1) Environmental risks and/or opportunities have affected your strategy and/or financial planning

Select from:

☑ Yes, both strategy and financial planning

(5.3.2) Business areas where environmental risks and/or opportunities have affected your strategy

Select all that apply

☑ Products and services

☑ Upstream/downstream value chain

☑ Investment in R&D

☑ Operations

(5.3.1) Describe where and how environmental risks and opportunities have affected your strategy.

Products and services

(5.3.1.1) Effect type

Select all that apply

☑ Risks

☑ Opportunities

(5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area

Select all that apply

☑ Climate change

(5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area

The risks and opportunities associated with climate have already influenced our product and packaging design strategies. Examples include the replacement of expanded polystyrene coolers for cold chain shipments with our award-winning 100% readily recyclable paper cooler and the conversion of our cold storage portfolio to low-impact refrigerants. As customer expectations around climate continue to evolve, we are evaluating the strategic expansion of our Design for Sustainability process across our business segments.

Upstream/downstream value chain

(5.3.1.1) Effect type

Select all that apply

☑ Risks

☑ Opportunities

(5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area

Select all that apply

☑ Climate change

(5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area

For Thermo Fisher, over 95% of our value chain emissions are generated outside of our operations. To address this, our Scope 3 emissions target, which has been validated by the Science Based Targets initiative (SBTi), is to have 90% of our suppliers by spend set climate-related, science-based targets by 2027. Through our Scope 3 program, we enhanced supplier engagement, training and capability building. In 2023 we hosted our inaugural virtual Supplier Day to reinforce our environmental sustainability ambitions and expectations with suppliers. Through a virtual format, we shared tools and best practices to help them start or accelerate their journey to net-zero emissions. More than 100 supplier organizations from 20 countries participated in the event, along with our internal procurement community and key stakeholders. The agenda began with our Thermo Fisher climate goals and included keynote addresses, supplier and partner sustainability showcase presentations, breakout sessions that inspired and accelerated action, and a discussion with one of our largest customers outlining the importance of cascading sustainability into the value chain. The event ended with a powerful call to action in support of our Scope 3 target, leading to post event discussions with more than 50 top suppliers. We also provided training and hosted meetings with key suppliers to help educate them and grow their understanding of their environmental impacts. As a result, we were able to expand our community of suppliers who have either set, or committed to set, science-based targets.

Investment in R&D

(5.3.1.1) Effect type

Select all that apply

☑ Risks

☑ Opportunities

(5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area

Select all that apply

☑ Climate change

(5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area

Our Design for Sustainability (DfS) team is focused on positioning our R&D organization to expand, accelerate and standardize how environmental considerations are embedded into product development. Our strategy is focused on five key impact areas: less hazardous, less waste, more energy efficient, responsibly packaged and extended life. As the Company's strategic center for the latest greener innovation, our DfS program deploys critical training, tools, and resources that continue to increase the rigor of our longstanding efforts in sustainable design.

Operations

(5.3.1.1) Effect type

Select all that apply

☑ Risks

☑ Opportunities

(5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area

Select all that apply

☑ Climate change

(5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area

Our 2030 commitment to reduce scope 1 and 2 emissions by more than 50% and our net-zero strategy to transition away from fossil fuels while accelerating the adoption of renewable electricity— a direct result of the risks and opportunities associated with climate change—has significantly influenced our operational strategy. In 2023, we implemented our net-zero guidance to address capital and operational expenditure linked to fossil fuel expansion.

(5.3.2) Describe where and how environmental risks and opportunities have affected your financial planning.

Row 1

(5.3.2.1) Financial planning elements that have been affected

Select all that apply

☑ Direct costs

☑ Capital expenditures

☑ Capital allocation

(5.3.2.2) Effect type

Select all that apply

☑ Risks

☑ Opportunities

(5.3.2.3) Environmental issues relevant to the risks and/or opportunities that have affected these financial planning elements

Select all that apply

☑ Climate change

(5.3.2.4) Describe how environmental risks and/or opportunities have affected these financial planning elements

Our net-zero by 2050 commitment reflects our approach to strategically manage climate-related risks and opportunities. The influence on our financial planning can be seen in the following ways: - We enhanced direct strategic investments in staffing, re-evaluating and resourcing our climate program to support the design and implementation of our net-zero roadmap. - We established carbon expectations for business units that will influence capital expenditures towards facility infrastructure, specifically away from fossil fuel equipment and towards equivalent electric-powered equipment. - Business units are directly evaluating environmental sustainability-specific opportunities to enhance their market opportunities, which may result in a change in allocation towards these climate-related initiatives. - Our risk management process identified short-term risks and impacts; acute physical risk due to increased severity and frequency of extreme weather events contributing to increased capital expenditures; and chronic physical risk due to changes in precipitation patterns and extreme variability in weather patterns contributing to increased insurance claims liability. Site-specific mitigation and financial plans are being developed to manage identified risks

Row 2

(5.3.2.1) Financial planning elements that have been affected

Select all that apply

☑ Assets

(5.3.2.2) Effect type

Select all that apply

☑ Risks

☑ Opportunities

(5.3.2.3) Environmental issues relevant to the risks and/or opportunities that have affected these financial planning elements

Select all that apply

☑ Climate change

(5.3.2.4) Describe how environmental risks and/or opportunities have affected these financial planning elements

As we operate globally, we understand the variability of regional climate-related environmental issues. Through risk assessments and scenario analysis, we better understand that water scarcity is a regionally specific variable to consider both now and in the future. Our risk management process identified short-term risks and impacts, which informed the development of site-specific mitigation and financial plans to manage identified risks.

(5.4) In your organization's financial accounting, do you identify spending/revenue that is aligned with your organization's climate transition?

	Identification of spending/revenue that is aligned with your organization's climate transition
	Select from: ☑ No, but we plan to in the next two years

(5.9) What is the trend in your organization's water-related capital expenditure (CAPEX) and operating expenditure (OPEX) for the reporting year, and the anticipated trend for the next reporting year?

(5.9.1) Water-related CAPEX (+/- % change)

0

(5.9.2) Anticipated forward trend for CAPEX (+/- % change)

0

(5.9.3) Water-related OPEX (+/- % change)

-6

(5.9.4) Anticipated forward trend for OPEX (+/- % change)

0

(5.9.5) Please explain

CAPEX specific to water-related infrastructure is not tracked at the enterprise level but is estimated to be flat during the last final year and is anticipated to be into the future. Water-related OPEX is estimated based on water withdrawal, which was down 6% from the previous year.

(5.10) Does your organization use an internal price on environmental externalities?

	Use of internal pricing of environmental externalities	Environmental externality priced
	Select from: ☑ Yes	*Select all that apply* ☑ Carbon

(5.10.1) Provide details of your organization's internal price on carbon.

Row 1

(5.10.1.1) Type of pricing scheme

Select from:

☑ Other, please specify**:** Governance exclusion

(5.10.1.2) Objectives for implementing internal price

Select all that apply

☑ Drive low-carbon investment

☑ Influence strategy and/or financial planning

☑ Setting and/or achieving of climate-related policies and targets

(5.10.1.3) Factors considered when determining the price

Select all that apply

☑ Alignment to scientific guidance

☑ Cost of required measures to achieve climate-related targets

(5.10.1.4) Calculation methodology and assumptions made in determining the price

Thermo Fisher's net-zero goal was a key driver in determining the price. The price is reflective of our climate transition plan as we look to move away from fossil fuels.

(5.10.1.5) Scopes covered

Select all that apply

☑ Scope 1

(5.10.1.6) Pricing approach used – spatial variance

Select from:

☑ Uniform

(5.10.1.8) Pricing approach used – temporal variance

Select from:

☑ Evolutionary

(5.10.1.9) Indicate how you expect the price to change over time

As low-carbon technology and approaches mature, we anticipate the implicit price and necessity for the internal carbon price to reduce over time.

(5.10.1.10) Minimum actual price used (currency per metric ton CO2e)

0

(5.10.1.11) Maximum actual price used (currency per metric ton CO2e)

0

(5.10.1.12) Business decision-making processes the internal price is applied to

Select all that apply

☑ Capital expenditure

☑ Operations

(5.10.1.13) Internal price is mandatory within business decision-making processes

Select from:

☑ Yes, for all decision-making processes

(5.10.1.14) % total emissions in the reporting year in selected scopes this internal price covers

100

(5.10.1.15) Pricing approach is monitored and evaluated to achieve objectives

Select from:

☑ Yes

(5.10.1.16) Details of how the pricing approach is monitored and evaluated to achieve your objectives

Thermo Fisher has established several mechanisms to monitor and evaluate our pricing approach. With our climate transition plan in mind, our capital request process evaluates the greenhouse gas impact of a project every time a capital investment assessment is completed. Any project that adds and/or extends fossil fuel consumption will require a Fossil Fuel Exception Plan to be approved by business and corporate leaders. This Fossil Fuel Exception Plan needs to consider accelerated equipment phaseout, more rapid depreciation and funding for other projects to offset the resulting emissions. Our Net-Zero Building Design Guide is an additional mechanism that requires all new buildings to be operated without the use of fossil fuels. These governance mechanisms serve to exclude the continued use of fossil fuels as an energy source focusing on technological and infrastructure limitations rather than cost.

(5.11) Do you engage with your value chain on environmental issues?

	Engaging with this stakeholder on environmental issues	Environmental issues covered
Suppliers	*Select from:* ☑ Yes	*Select all that apply* ☑ Climate change
Customers	*Select from:* ☑ Yes	*Select all that apply* ☑ Climate change ☑ Water
Investors and shareholders	*Select from:* ☑ Yes	*Select all that apply* ☑ Climate change
Other value chain stakeholders	*Select from:* ☑ Yes	*Select all that apply* ☑ Climate change ☑ Water

(5.11.1) Does your organization assess and classify suppliers according to their dependencies and/or impacts on the environment?

Climate change

(5.11.1.1) Assessment of supplier dependencies and/or impacts on the environment

Select from:

☑ Yes, we assess the dependencies and/or impacts of our suppliers

(5.11.1.2) Criteria for assessing supplier dependencies and/or impacts on the environment

Select all that apply

☑ Contribution to supplier-related Scope 3 emissions

(5.11.1.3) % Tier 1 suppliers assessed

Select from:

☑ 100%

(5.11.1.4) Define a threshold for classifying suppliers as having substantive dependencies and/or impacts on the environment

100% of Thermo Fisher supplier spend is translated to scope 3 emissions in accordance with the GHG protocol for assessment and prioritization on impact. Based on Thermo Fisher's near-term Scope 3 supplier engagement goal – suppliers representing 90% of spend in purchased goods and services and transportation are considered for engagement on decarbonization. This represents 90% of emissions from these categories as well, covering the 2/3rds threshold for Scope 3 coverage developed by SBTi.

(5.11.1.5) % Tier 1 suppliers meeting the thresholds for substantive dependencies and/or impacts on the environment

Select from:

☑ 1-25%

(5.11.1.6) Number of Tier 1 suppliers meeting the thresholds for substantive dependencies and/or impacts on the environment

5000

(5.11.2) Does your organization prioritize which suppliers to engage with on environmental issues?

Climate change

(5.11.2.1) Supplier engagement prioritization on this environmental issue

Select from:

☑ Yes, we prioritize which suppliers to engage with on this environmental issue

(5.11.2.2) Criteria informing which suppliers are prioritized for engagement on this environmental issue

Select all that apply

☑ In line with the criteria used to classify suppliers as having substantive dependencies and/or impacts relating to climate change
☑ Material sourcing
☑ Procurement spend
☑ Regulatory compliance
☑ Strategic status of suppliers

(5.11.2.4) Please explain

In order to make progress against our near-term Scope 3 SBTi goal for supplier engagement, we prioritize our engagement with suppliers based on both their spend, and contribution to emissions. Additionally, in 2023 we began engaging with suppliers on environmental topics relevant for the Lksg (German Supply Chain Due Diligence Act) as required under this law.

(5.11.5) Do your suppliers have to meet environmental requirements as part of your organization's purchasing process?

Climate change

(5.11.5.1) Suppliers have to meet specific environmental requirements related to this environmental issue as part of the purchasing process

Select from:
☑ Yes, environmental requirements related to this environmental issue are included in our supplier contracts

(5.11.5.2) Policy in place for addressing supplier non-compliance

Select from:
☑ Yes, we have a policy in place for addressing non-compliance

(5.11.5.3) Comment

Suppliers who choose not to participate in Thermo Fisher's supplier responsibility programs when requested are escalated to procurement category management for visibility in future business decision making.

(5.11.6) Provide details of the environmental requirements that suppliers have to meet as part of your organization's purchasing process, and the compliance measures in place.

Climate change

(5.11.6.1) Environmental requirement

Select from:

☑ Setting a science-based emissions reduction target

(5.11.6.2) Mechanisms for monitoring compliance with this environmental requirement

Select all that apply

☑ Off-site third-party audit

☑ Supplier scorecard or rating

☑ Supplier self-assessment

(5.11.6.3) % tier 1 suppliers by procurement spend required to comply with this environmental requirement

Select from:

☑ 76-99%

(5.11.6.4) % tier 1 suppliers by procurement spend in compliance with this environmental requirement

Select from:

☑ 26-50%

(5.11.6.7) % tier 1 supplier-related scope 3 emissions attributable to the suppliers required to comply with this environmental requirement

Select from:

☑ 76-99%

(5.11.6.8) % tier 1 supplier-related scope 3 emissions attributable to the suppliers in compliance with this environmental requirement

Select from:

☑ 26-50%

(5.11.6.9) Response to supplier non-compliance with this environmental requirement

Select from:

☑ Retain and engage

(5.11.6.10) % of non-compliant suppliers engaged

Select from:

☑ 1-25%

(5.11.6.11) Procedures to engage non-compliant suppliers

Select all that apply

☑ Assessing the efficacy and efforts of non-compliant supplier actions through consistent and quantified metrics

☑ Developing quantifiable, time-bound targets and milestones to bring suppliers back into compliance

☑ Providing information on appropriate actions that can be taken to address non-compliance

(5.11.6.12) Comment

Towards our target of having 80 percent of direct materials spend assessed by EcoVadis by 2025, in 2023 we closed the year at 50% (28 percent of all direct materials procurement spend assessed). This assessment process allows us to communicate our expectations regarding environmental management and assess a supplier's ability to meet that expectation. Additionally, suppliers who have not yet set a science-based target are engaged (prioritized based on spend and estimated contribution to Thermo Fisher's Scope 3 emissions) with resources and events to build knowledge and capability to comply with expectations.

(5.11.7) Provide further details of your organization's supplier engagement on environmental issues.

Climate change

(5.11.7.2) Action driven by supplier engagement

Select from:

☑ Emissions reduction

(5.11.7.3) Type and details of engagement

Capacity building

☑ Provide training, support and best practices on how to measure GHG emissions

☑ Provide training, support and best practices on how to set science-based targets

☑ Support suppliers to set their own environmental commitments across their operations

Information collection

☑ Collect GHG emissions data at least annually from suppliers

☑ Collect targets information at least annually from suppliers

(5.11.7.4) Upstream value chain coverage

Select all that apply

☑ Tier 1 suppliers

(5.11.7.5) % of tier 1 suppliers by procurement spend covered by engagement

Select from:

☑ 26-50%

(5.11.7.6) % of tier 1 supplier-related scope 3 emissions covered by engagement

Select from:

☑ 26-50%

(5.11.7.9) Describe the engagement and explain the effect of your engagement on the selected environmental action

For Thermo Fisher, over 95 percent of our value chain emissions are generated outside of our operations. To address this, our Scope 3 emissions target, which has been validated by the Science Based Targets initiative (SBTi), is to have 90 percent of our suppliers, by spend, set climate-related, science-based targets by 2027. Through our Scope 3 program, we enhanced supplier engagement, training and capability building. In 2023 we hosted our inaugural virtual Supplier Day to reinforce our environmental sustainability ambitions and expectations with suppliers. Through a virtual format, we shared tools and best practices to help them start or accelerate their journey to net-zero emissions. More than 100 supplier organizations from 20 countries participated in the event, along with our internal procurement community and key stakeholders. The agenda began with our Thermo Fisher climate goals and included keynote addresses, supplier and partner sustainability

showcase presentations, breakout sessions that inspired and accelerated action, and a discussion with one of our largest customers outlining the importance of cascading sustainability into the value chain. The event ended with a powerful call to action in support of our Scope 3 target, leading to post event discussions with more than 50 top suppliers. We also provided training and hosted meetings with key suppliers to help educate them and grow their understanding of their environmental impacts. As a result, we were able to expand our community of suppliers who have either set, or committed to set, science-based targets.

(5.11.7.10) Engagement is helping your tier 1 suppliers meet an environmental requirement related to this environmental issue

Select from:

☑ Yes, please specify the environmental requirement**:** set a science-based target

(5.11.7.11) Engagement is helping your tier 1 suppliers engage with their own suppliers on the selected action

Select from:

☑ Yes

(5.11.9) Provide details of any environmental engagement activity with other stakeholders in the value chain.

Climate change

(5.11.9.1) Type of stakeholder

Select from:

☑ Customers

(5.11.9.2) Type and details of engagement

Education/Information sharing

☑ Share information about your products and relevant certification schemes

☑ Share information on environmental initiatives, progress and achievements

Innovation and collaboration

☑ Align your organization’s goals to support customers’ targets and ambitions

☑ Collaborate with stakeholders on innovations to reduce environmental impacts in products and services

(5.11.9.3) % of stakeholder type engaged

Select from:

☑ 1-25%

(5.11.9.4) % stakeholder-associated scope 3 emissions

Select from:

☑ 26-50%

(5.11.9.5) Rationale for engaging these stakeholders and scope of engagement

Climate is becoming an increasingly important consideration for our customers as well as other stakeholders. To keep customers informed on how Thermo Fisher Scientific can support them in achieving their climate targets, we have prioritized two segments of customers for focused engagement: (i) customers actively looking to understand the environmental impact of the goods and services they purchased from Thermo Fisher Scientific and (ii) our largest customers by revenue. For these customers, we provide an overall view of our environmental sustainability program, our net-zero strategy and recent progress as well as their shared emissions allocation, which they can utilize for their Scope 3 category 1 reporting. We proactively engage with customers on environmental sustainability issues to understand their expectations and how we can best meet them. Understanding that each customer has a unique set of needs and success measures (i.e., higher renewable electricity, emission reduction target, maturity model), our objective is to develop a holistic and flexible program that enables our company and businesses to progress against these various metrics in partnership with our customers.

(5.11.9.6) Effect of engagement and measures of success

The feedback from our customers has been positive. They are appreciative of our level of engagement and participation in workshops, supplier days, surveys, and reporting platforms. This is demonstrated by an article written by our customer, Boehringer Ingelheim, on our engagement (https://www.boehringer-ingelheim.com/about-us/sustainable-development/more-green/more-green-reducing-emissions-throughout-supply-chain) We measure success by how customers classify our climate performance strategy against their maturity scale. Examples include individual customer scales, where we are often classified as “Leading”, and the Sustainable Markets Initiative Health Systems Task Force joint supplier standards, where we meet or exceed the standards.

Water

(5.11.9.1) Type of stakeholder

Select from:

☑ Customers

(5.11.9.2) Type and details of engagement

Education/Information sharing

☑ Share information on environmental initiatives, progress and achievements

(5.11.9.3) % of stakeholder type engaged

Select from:

☑ 1-25%

(5.11.9.5) Rationale for engaging these stakeholders and scope of engagement

The environment is becoming an increasingly important consideration to our customers. To keep customers informed on how Thermo Fisher Scientific can support them achieve their environmental targets, we have identified two segments of customers to engage with: (i) customers actively looking to understand the environmental impact of the goods and services they purchased from Thermo Fisher Scientific and (ii) our largest customers by revenue. The intent of proactively engaging with customers on environmental sustainability issues is to understand their expectations and how we can best meet them. Understanding that each customer has a unique set of needs and ways to measure success our objective is to develop a holistic, but flexible program that enables our company and businesses to progress against these various metrics in partnership with our customers.

(5.11.9.6) Effect of engagement and measures of success

Through engagement on water security, we gained clarity on our customer's interest in nature and freshwater preservation. With the voice of the customer in mind, we established our first water target in 2023 and are committed to safeguarding the world's natural resources, including water security. We measure success by how customers classify our environmental sustainability performance strategy against their maturity scale. This includes both climate and water security, as delineated by nature. An example is the Sustainable Markets Initiative Health Systems Task Force joint supplier standards where we meet or exceed the standards.

(5.12) Indicate any mutually beneficial environmental initiatives you could collaborate on with specific CDP Supply Chain members.

Row 1

(5.12.1) Requesting member

Select from:

(5.12.2) Environmental issues the initiative relates to

Select all that apply

☑ Climate change

(5.12.4) Initiative category and type

Innovation

☑ New product or service that has a lower upstream emissions footprint

(5.12.5) Details of initiative

Thermo Fisher has launched several sustainable solutions with lower carbon footprint including: - ISCC PLUS certified biobased bioprocessing containers, cell factories, and PCR plates. - Clinical trial carbon calculator and menu of lower carbon operational design options - Solvery recovery in API manufacturing - Recycling solutions - Production localization for single use technologies - Ambient shipping of antibodies to eliminate cold chain shipping

(5.12.6) Expected benefits

Select all that apply

☑ Other, please specify**:** Reduce of upstream value chain emissions (customer scope 3)

(5.12.7) Estimated timeframe for realization of benefits

Select from:

☑ 0-1 year

(5.12.8) Are you able to estimate the lifetime CO2e and/or water savings of this initiative?

Select from:

☑ Yes, lifetime CO2e savings only

(5.12.11) Please explain

Amount of carbon reduction will depend on the scale and scope of usage of any/all of the sustainable solutions outlined. Thermo Fisher is happy to work with you to quantify the estimated impact to support decision making.

Row 2

(5.12.1) Requesting member

Select from:

(5.12.2) Environmental issues the initiative relates to

Select all that apply

☑ Climate change

(5.12.4) Initiative category and type

Innovation

☑ New product or service that has a lower upstream emissions footprint

(5.12.5) Details of initiative

Thermo Fisher has launched several sustainable solutions with lower carbon footprint including: - ISCC PLUS certified biobased bioprocessing containers, cell factories, and PCR plates. - Clinical trial carbon calculator and menu of lower carbon operational design options - Solvery recovery in API manufacturing - Recycling solutions - Production localization for single use technologies - Ambient shipping of antibodies to eliminate cold chain shipping

(5.12.6) Expected benefits

Select all that apply

☑ Other, please specify**:** Reduce of upstream value chain emissions (customer scope 3)

(5.12.7) Estimated timeframe for realization of benefits

Select from:

☑ 0-1 year

(5.12.8) Are you able to estimate the lifetime CO2e and/or water savings of this initiative?

Select from:

☑ Yes, lifetime CO2e savings only

(5.12.11) Please explain

Amount of carbon reduction will depend on the scale and scope of usage of any/all of the sustainable solutions outlined. Thermo Fisher is happy to work with you to quantify the estimated impact to support decision making.

(5.13) Has your organization already implemented any mutually beneficial environmental initiatives due to CDP Supply Chain member engagement?

	Environmental initiatives implemented due to CDP Supply Chain member engagement
	Select from: ☑ Yes

(5.13.1) Specify the CDP Supply Chain members that have prompted your implementation of mutually beneficial environmental initiatives and provide information on the initiatives.

Row 1

(5.13.1.2) Environmental issues the initiative relates to

Select all that apply

☑ Climate change

(5.13.1.4) Initiative ID

Select from:

☑ Ini1

(5.13.1.5) Initiative category and type

Change to supplier operations

☑ Increase proportion of renewable energy purchased

(5.13.1.6) Details of initiative

Thermo Fisher continues to increase its adoption of renewable electricity in response to expectations from customers.

(5.13.1.7) Benefits achieved

Select all that apply

☑ Reduction of own operational emissions (own scope 1 & 2)

(5.13.1.8) Are you able to provide figures for emissions savings or water savings in the reporting year?

Select from:

☑ Yes, emissions savings only

(5.13.1.9) Estimated savings in the reporting year in metric tons of CO2e

200000

(5.13.1.11) Please explain how success for this initiative is measured

We measure success as progress against our new 80% global renewable electricity commitment.

(5.13.1.12) Would you be happy for CDP Supply Chain members to highlight this work in their external communication?

Select from:

☑ Yes

C6. Environmental Performance - Consolidation Approach

(6.1) Provide details on your chosen consolidation approach for the calculation of environmental performance data.

Climate change

(6.1.1) Consolidation approach used

Select from:

☑ Operational control

(6.1.2) Provide the rationale for the choice of consolidation approach

Data and information presented in this report covers all worldwide operations, including manufacturing facilities, warehouses, offices, laboratories, commercial fleets and consolidated subsidiaries. Our approach and calculation of environmental performance data is aligned with the GHG Protocol's definition of operational control. There are no exclusions to this report.

Water

(6.1.1) Consolidation approach used

Select from:

☑ Operational control

(6.1.2) Provide the rationale for the choice of consolidation approach

Data and information presented in this report covers all worldwide operations, including manufacturing facilities, warehouses, offices, laboratories, commercial fleets and consolidated subsidiaries. Our approach and calculation of environmental performance data is aligned with the GHG Protocol's definition of operational control. There are no exclusions to this report.

C7. Environmental performance - Climate Change

(7.1.1) Has your organization undergone any structural changes in the reporting year, or are any previous structural changes being accounted for in this disclosure of emissions data?

(7.1.1.1) Has there been a structural change?

Select all that apply

☑ Yes, an acquisition

(7.1.1.2) Name of organization(s) acquired, divested from, or merged with

On October 31, 2022, we completed the acquistion of The Binding Site Group, a specialty diagnostics organization. On October 17, 2023, we completed the acquistion of Olink Holding AB (publ), a leading provider of next-generation proteomics solutions.

(7.1.1.3) Details of structural change(s), including completion dates

In accordance with the GHG Protocol and our Environmental Sustainability Data Collection and Reporting Procedure, the Binding Site Group acquisition was first accounted for in the 2023 reporting period. Historical data back to our baseline has been restated to reflect this change. The Olink acquisition will be incorporated into our reporting starting in 2024.

(7.1.2) Has your emissions accounting methodology, boundary, and/or reporting year definition changed in the reporting year?

(7.1.2.1) Change(s) in methodology, boundary, and/or reporting year definition?

Select all that apply

☑ Yes, a change in methodology

(7.1.2.2) Details of methodology, boundary, and/or reporting year definition change(s)

Improvements to our methodology in 2023 include emission factor updates, methodology revision for end-of-life treatment of sold products, and operational data collection improvements. Historical data may be subject to revision due to data source restatements and updates to methodology.

(7.1.3) Have your organization’s base year emissions and past years’ emissions been recalculated as a result of any changes or errors reported in 7.1.1 and/or 7.1.2?

(7.1.3.1) Base year recalculation

Select from:

☑ Yes

(7.1.3.2) Scope(s) recalculated

Select all that apply

☑ Scope 1

☑ Scope 2, location-based

☑ Scope 2, market-based

☑ Scope 3

(7.1.3.3) Base year emissions recalculation policy, including significance threshold

From our Environmental Sustainability Data Collection and Reporting Procedures: "There are certain scenarios in which the baseline data will require adjustment to ensure that comparisons are consistent. The baseline for any indicator shall be adjusted if any of the following scenarios occur and the occurrence results in a /- 5% change from the baseline value of a given sustainability indicator at the global level: • Mergers, acquisitions, and divestments; • Insourcing or outsourcing of activities, if those activities were not included in the base year; • Changes in calculation methodologies or improvements in emission factors/activity data; or • Errors or omissions of data from the base year. Note: In the case of greenhouse gas emissions, Scope 3 emissions shall be considered separately from Scope 1 and 2 when determining whether a baseline adjustment is needed. Financial reporting requirements define the uses of the terms mergers, acquisition, and divestments. If deemed significant (i.e., creating a /- 5% change), the environmental and financial impacts of this activity shall be added or removed from the baseline and all subsequent years, using the methodology outlined by the GHG Protocol Corporate Standard. Reporting on an amended Company structure shall be consolidated no later than six (6) months following activity finalization, where feasible and not in conflict with the requirements of the partnering business. For example, data associated with mergers, acquisitions, and divestments occurring from January through June should be incorporated into that year’s external report(s). In contrast, events occurring from July onward should be incorporated into the following year’s external report(s). Organic growth or decline, including purchasing of individual buildings, shall not be considered in any baseline adjustment.

(7.1.3.4) Past years’ recalculation

Select from:

☑ Yes

(7.3) Describe your organization’s approach to reporting Scope 2 emissions.

	Scope 2, location-based	Scope 2, market-based	Comment
	Select from: ☑ We are reporting a Scope 2, location-based figure	*Select from:* ☑ We are reporting a Scope 2, market-based figure	

(7.5) Provide your base year and base year emissions.

Scope 1

(7.5.1) Base year end

12/31/2018

(7.5.2) Base year emissions (metric tons CO2e)

300724

(7.5.3) Methodological details

This number is a restatement from the 2022 CDP Climate Change disclosure (and all other previous disclosures). Significant updates include improvements to methodology and the inclusion of business acquisitions.

Scope 2 (location-based)

(7.5.1) Base year end

12/31/2018

(7.5.2) Base year emissions (metric tons CO2e)

473134

(7.5.3) Methodological details

This number is a restatement from the 2022 CDP Climate Change disclosure (and all other previous disclosures). Significant updates include improvements to methodology and the inclusion of business acquisitions.

Scope 2 (market-based)

(7.5.1) Base year end

12/31/2018

(7.5.2) Base year emissions (metric tons CO2e)

489810

(7.5.3) Methodological details

This number is a restatement from the 2022 CDP Climate Change disclosure (and all other previous disclosures). Significant updates include improvements to methodology and the inclusion of business acquisitions.

Scope 3 category 1: Purchased goods and services

(7.5.1) Base year end

12/31/2021

(7.5.2) Base year emissions (metric tons CO2e)

8832506

(7.5.3) Methodological details

The restated number uses more recent emissions factors from DEFRA/BEIS and an improved adjustment for currency conversion and PPI inflation.

Scope 3 category 2: Capital goods

(7.5.1) Base year end

12/31/2021

(7.5.2) Base year emissions (metric tons CO2e)

527605

(7.5.3) Methodological details

The restated number uses more recent emissions factors from DEFRA/BEIS and an improved adjustment for currency conversion and PPI inflation.

Scope 3 category 3: Fuel-and-energy-related activities (not included in Scope 1 or 2)

(7.5.1) Base year end

12/31/2021

(7.5.2) Base year emissions (metric tons CO2e)

134040

Scope 3 category 4: Upstream transportation and distribution

(7.5.1) Base year end

12/31/2021

(7.5.2) Base year emissions (metric tons CO2e)

1379680

Scope 3 category 5: Waste generated in operations

(7.5.1) Base year end

12/31/2021

(7.5.2) Base year emissions (metric tons CO2e)

54367

Scope 3 category 6: Business travel

(7.5.1) Base year end

12/31/2021

(7.5.2) Base year emissions (metric tons CO2e)

52198

Scope 3 category 7: Employee commuting

(7.5.1) Base year end

12/31/2021

(7.5.2) Base year emissions (metric tons CO2e)

241959

Scope 3 category 8: Upstream leased assets

(7.5.1) Base year end

12/31/2021

(7.5.2) Base year emissions (metric tons CO2e)

0.0

(7.5.3) Methodological details

Thermo Fisher did not have any upstream leased assets during the 2021 calendar year that were not already calculated as part of Scope 1 and 2 using an operational boundary.

Scope 3 category 9: Downstream transportation and distribution

(7.5.1) Base year end

12/31/2021

(7.5.2) Base year emissions (metric tons CO2e)

0.0

(7.5.3) Methodological details

There is no restatement associated with our reported Scope 3 category 9 emissions. Figures presented in upstream transportation and distribution represent both upstream and downstream emissions. Spend-based analysis is unable to separate upstream and downstream transportation and distribution.

Scope 3 category 10: Processing of sold products

(7.5.3) Methodological details

Not relevant

Scope 3 category 11: Use of sold products

(7.5.1) Base year end

12/31/2021

(7.5.2) Base year emissions (metric tons CO2e)

2075313

Scope 3 category 12: End of life treatment of sold products

(7.5.1) Base year end

12/31/2021

(7.5.2) Base year emissions (metric tons CO2e)

83240

Scope 3 category 13: Downstream leased assets

(7.5.3) Methodological details

Not relevant

Scope 3 category 14: Franchises

(7.5.3) Methodological details

Not relevant

Scope 3 category 15: Investments

(7.5.3) Methodological details

Not relevant

(7.6) What were your organization’s gross global Scope 1 emissions in metric tons CO2e?

Reporting year

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

331463

(7.6.3) Methodological details

This value was assured by Bureau Veritas.

Past year 1

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

329290

(7.6.2) End date

12/31/2022

(7.6.3) Methodological details

This value is a restatement resulting from improvements in data collection improvements that resulted in a change, which may have been greater than 5%. Some updates include improvements to methodology and the inclusion of business acquisitions.

Past year 2

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

327183

(7.6.2) End date

12/31/2021

(7.6.3) Methodological details

This value is a restatement resulting from improvements in data collection improvements that resulted in a change, which may have been greater than 5%. Some updates include improvements to methodology and the inclusion of business acquisitions.

Past year 3

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

306062

(7.6.2) End date

12/31/2020

(7.6.3) Methodological details

This value is a restatement resulting from improvements in data collection improvements that resulted in a change, which may have been greater than 5%. Some updates include improvements to methodology and the inclusion of business acquisitions.

Past year 4

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

304778

(7.6.2) End date

12/31/2019

(7.6.3) Methodological details

This value is a restatement resulting from improvements in data collection improvements that resulted in a change, which may have been greater than 5%. Some updates include improvements to methodology and the inclusion of business acquisitions.

Past year 5

(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)

300724

(7.6.2) End date

12/31/2018

(7.6.3) Methodological details

This value is a restatement resulting from improvements in data collection improvements that resulted in a change, which may have been greater than 5%. Some updates include improvements to methodology and the inclusion of business acquisitions.

(7.7) What were your organization’s gross global Scope 2 emissions in metric tons CO2e?

Reporting year

(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

427904

(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

229110

(7.7.4) Methodological details

These values were assured by Bureau Veritas.

Past year 1

(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

433010

(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

267752

(7.7.3) End date

12/31/2022

(7.7.4) Methodological details

This value is a restatement resulting from improvements in data collection improvements that resulted in a change, which may have been greater than 5%. Some updates include improvements to methodology and the inclusion of business acquisitions.

Past year 2

(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

452423

(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

313561

(7.7.3) End date

12/31/2021

(7.7.4) Methodological details

This value is a restatement resulting from improvements in data collection improvements that resulted in a change, which may have been greater than 5%. Some updates include improvements to methodology and the inclusion of business acquisitions.

Past year 3

(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

437172

(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

369296

(7.7.3) End date

12/31/2020

(7.7.4) Methodological details

This value is a restatement resulting from improvements in data collection improvements that resulted in a change, which may have been greater than 5%. Some updates include improvements to methodology and the inclusion of business acquisitions.

Past year 4

(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

455793

(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

449663

(7.7.3) End date

12/31/2019

(7.7.4) Methodological details

This value is a restatement resulting from improvements in data collection improvements that resulted in a change, which may have been greater than 5%. Some updates include improvements to methodology and the inclusion of business acquisitions.

Past year 5

(7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

473134

(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

489810

(7.7.3) End date

12/31/2018

(7.7.4) Methodological details

This value is a restatement resulting from improvements in data collection improvements that resulted in a change, which may have been greater than 5%. Some updates include improvements to methodology and the inclusion of business acquisitions.

(7.8) Account for your organization’s gross global Scope 3 emissions, disclosing and explaining any exclusions.

Purchased goods and services

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

8017278

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Spend-based method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

We calculate emissions associated with purchased goods and services mapping our company spend to standard industrial classification codes with corresponding UK BEIS spend-based emissions factors. 2020 is the last year UK BEIS updated these factors. We adjust the spend to account for inflation since 2020 and currency exchange rates. The reported emissions cover our business purchases and our distribution channel business (Fisher Scientific).

Capital goods

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

284151

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Spend-based method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

We calculate emissions from capital goods in the same manner as we do for purchased goods and services. See above for that methodology. Spend mapped to the standard industrial classification code "Machinery and equipment n.e.c." is classified as capital goods.

Fuel-and-energy-related activities (not included in Scope 1 or 2)

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

113854

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Fuel-based method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

95

(7.8.5) Please explain

We calculate this category by applying UK BEIS well-to-tank emission factors for all purchased fossil fuels, electricity, steam and hot water across our facilities and vehicles. In 2023, approximately 5% of energy purchases are estimated using regional energy intensity factors.

Upstream transportation and distribution

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

1105642

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Distance-based method

☑ Other, please specify

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

(7.8.5) Please explain

We calculate transportation and distribution (T&D) emissions using transport mode, weight, and distance data. Shipment origins and destinations are reported at a country level granularity and for the United States, state-level granularity. Distance is estimated using the geographic center of each origin and destination or where the origin/destination is in the same country/state, an assumed city-to-city trip is used. UK BEIS emissions factors are applied including the use of radiative forcing and well-to-tank factors. The value provided covers upstream and downstream T&D (category 9).

Waste generated in operations

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

40603

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Waste-type-specific method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

(7.8.5) Please explain

We calculate this category using actual waste disposal records from waste vendors outlining mass per material type and waste disposal stream. UK BEIS emission factors are applied to these waste streams.

Business travel

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

132089

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Average data method

☑ Spend-based method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

(7.8.5) Please explain

We calculated this category based on primary data from our vendors associated with 1) air travel segmentation based on segment distance and cabin class 2) rail travel distance 3) rental vehicle days of use 4) number of hotel stays per country, and 5) estimated travel distance associated with our car allowance program. UK BEIS emission factors were applied including well-to-tank factors and radiating forcing for air travel.

Employee commuting

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

228902

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Average data method

☑ Other, please specify**:** Homeworking emissions white paper from EcoAct

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

(7.8.5) Please explain

Our employee commuting emissions include both commuting and working from home due to a significant shift in work from home starting in 2020. We calculated employee commuting emissions based on country-specific breakdown of travel forms to estimate total distance per travel type and then applied UK BEIS emission factors including well-to-tank factors. For work from home emissions, we estimated the electricity usage for lighting and computer usage as well as electricity and gas usage for space heating and cooling with country-specific estimations of heating and cooling needs. US EPA eGrid and IEA electricity factors were then applied.

Upstream leased assets

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

0

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Site-specific method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

(7.8.5) Please explain

Thermo Fisher did not have any upstream leased assets during the 2023 calendar year that were not already calculated as part of Scope 1 and 2 using an operational boundary.

Downstream transportation and distribution

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

1

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Distance-based method

☑ Other, please specify**:** Weight-based model

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

Our transportation and distribution (T&D) data cannot flag whether a transit trip is upstream or downstream. As a majority of our T&D is upstream, the entirety of our calculated upstream and downstream T&D emissions is disclosed in our upstream T&D emissions above.

Processing of sold products

(7.8.1) Evaluation status

Select from:

☑ Not relevant, explanation provided

(7.8.5) Please explain

This category is not relevant as the products we sell represent the end of their processing chains as a final product for customer use (examples being Freezers and pipette tips).

Use of sold products

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

1330011

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Methodology for direct use phase emissions, please specify **:**Lifetime electricity consumption and refrigerant leakage for all relevant products sold

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

(7.8.5) Please explain

For calculation of use of sold products emissions, we identified products that consumed electricity or contained refrigerants. None of our products consume fossil fuels. For products consuming electricity, we identified the number units sold during the reporting period and determined estimates for consumption per day, number of days the unit is used annually useful life in years. Together, these provide the estimated total lifetime electrical usage of our products. An average of global residual electricity emission factors was applied to the total electricity value as we conservatively assumed no renewable electricity usage by our customers. For products containing refrigerants, we identified the number of units sold in the reporting period, refrigerant capacity of the unit, type of refrigerant, and estimated lifespan. An average fugitive emission rate of 5.5% per year, based on IPCC Good Practices Guidelines for Stand-Alone Commercial Applications, was utilized in combination with IPCC refrigerant specific emission factors to calculate total greenhouse gas emissions.

End of life treatment of sold products

(7.8.1) Evaluation status

Select from:

☑ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

67821

(7.8.3) Emissions calculation methodology

Select all that apply

☑ Other, please specify**:** Methodology based on estimated disposal of sold products

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

Emissions associated with end-of-life treatment of our sold products is difficult to determine as we do not have data associated with the final disposal by our customers. To calculate this emission category, we developed an estimation methodology for the total weight of products sold during the reporting and assumed an equal distribution between waste to energy incineration, landfill, and recycling. UK BEIS waste disposal emission factors were used.

Downstream leased assets

(7.8.1) Evaluation status

Select from:

☑ Not relevant, explanation provided

(7.8.5) Please explain

Thermo Fisher does not have any downstream leased assets nor plans to have downstream leased assets in the future that would fall outside of our operational boundary.

Franchises

(7.8.1) Evaluation status

Select from:

☑ Not relevant, explanation provided

(7.8.5) Please explain

Thermo Fisher does not operate using a franchise model.

Investments

(7.8.1) Evaluation status

Select from:

☑ Not relevant, explanation provided

(7.8.5) Please explain

Thermo Fisher does not operate as a financial institution (e.g., private equity, bank, etc).

(7.8.1) Disclose or restate your Scope 3 emissions data for previous years.

Past year 1

(7.8.1.1) End date

12/31/2022

(7.8.1.2) Scope 3: Purchased goods and services (metric tons CO2e)

8557433

(7.8.1.3) Scope 3: Capital goods (metric tons CO2e)

442694

(7.8.1.4) Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

126259

(7.8.1.5) Scope 3: Upstream transportation and distribution (metric tons CO2e)

1421784

(7.8.1.6) Scope 3: Waste generated in operations (metric tons CO2e)

51605

(7.8.1.7) Scope 3: Business travel (metric tons CO2e)

124934

(7.8.1.8) Scope 3: Employee commuting (metric tons CO2e)

225031

(7.8.1.9) Scope 3: Upstream leased assets (metric tons CO2e)

0

(7.8.1.12) Scope 3: Use of sold products (metric tons CO2e)

2018557

(7.8.1.13) Scope 3: End of life treatment of sold products (metric tons CO2e)

84097

(7.8.1.19) Comment

Data presented here reflects updates in methodology including updated UK BEIS economic environmental factors, inclusion of primary supplier data for upstream/downstream transportation and distribution, and inclusion of country-level detail for use of sold products.

Past year 2

(7.8.1.1) End date

12/31/2021

(7.8.1.2) Scope 3: Purchased goods and services (metric tons CO2e)

8832506

(7.8.1.3) Scope 3: Capital goods (metric tons CO2e)

527605

(7.8.1.4) Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

134040

(7.8.1.5) Scope 3: Upstream transportation and distribution (metric tons CO2e)

1379680

(7.8.1.6) Scope 3: Waste generated in operations (metric tons CO2e)

54367

(7.8.1.7) Scope 3: Business travel (metric tons CO2e)

52198

(7.8.1.8) Scope 3: Employee commuting (metric tons CO2e)

241959

(7.8.1.9) Scope 3: Upstream leased assets (metric tons CO2e)

0

(7.8.1.12) Scope 3: Use of sold products (metric tons CO2e)

2075313

(7.8.1.13) Scope 3: End of life treatment of sold products (metric tons CO2e)

83240

(7.8.1.19) Comment

2021 is the baseline year for the Scope 3 target. Data presented here reflects updates in methodology including updated UK BEIS economic environmental factors, inclusion of primary supplier data for upstream/downstream transportation and distribution, and inclusion of country-level detail for use of sold products.

(7.9) Indicate the verification/assurance status that applies to your reported emissions.

	Verification/assurance status
Scope 1	*Select from:* ☑ Third-party verification or assurance process in place
Scope 2 (location-based or market-based)	*Select from:* ☑ Third-party verification or assurance process in place
Scope 3	*Select from:* ☑ Third-party verification or assurance process in place

(7.9.1) Provide further details of the verification/assurance undertaken for your Scope 1 emissions, and attach the relevant statements.

Row 1

(7.9.1.1) Verification or assurance cycle in place

Select from:
☑ Annual process

(7.9.1.2) Status in the current reporting year

Select from:
☑ Complete

(7.9.1.3) Type of verification or assurance

Select from:
☑ Limited assurance

(7.9.1.4) Link the statement

https://corporate.thermofisher.com/content/dam/tfcorpsite/documents/corporate-social-responsibility/csr-policies/Thermo%20Fisher%20Final%20Assurance%20statement%202023.pdf

(7.9.1.5) Page/section reference

All pages of the attached INDEPENDENT LIMITED ASSURANCE STATEMENT from Bureau Veritas

(7.9.1.6) Relevant standard

Select from:

☑ ISAE3000

(7.9.1.7) Proportion of reported emissions verified (%)

100

(7.9.2) Provide further details of the verification/assurance undertaken for your Scope 2 emissions and attach the relevant statements.

Row 1

(7.9.2.1) Scope 2 approach

Select from:

☑ Scope 2 location-based

(7.9.2.2) Verification or assurance cycle in place

Select from:

☑ Annual process

(7.9.2.3) Status in the current reporting year

Select from:

☑ Complete

(7.9.2.4) Type of verification or assurance

Select from:

☑ Limited assurance

(7.9.2.5) Link the statement

https://corporate.thermofisher.com/content/dam/tfcorpsite/documents/corporate-social-responsibility/csr-policies/Thermo%20Fisher%20Final%20Assurance%20statement%202023.pdf

(7.9.2.6) Page/ section reference

All pages of the attached INDEPENDENT LIMITED ASSURANCE STATEMENT from Bureau Veritas

(7.9.2.7) Relevant standard

Select from:

☑ ISAE3000

(7.9.2.8) Proportion of reported emissions verified (%)

100

Row 2

(7.9.2.1) Scope 2 approach

Select from:

☑ Scope 2 market-based

(7.9.2.2) Verification or assurance cycle in place

Select from:

☑ Annual process

(7.9.2.3) Status in the current reporting year

Select from:

☑ Complete

(7.9.2.4) Type of verification or assurance

Select from:

☑ Limited assurance

(7.9.2.5) Link the statement

https://corporate.thermofisher.com/content/dam/tfcorpsite/documents/corporate-social-responsibility/csr-policies/Thermo%20Fisher%20Final%20Assurance%20statement%202023.pdf

(7.9.2.6) Page/ section reference

All pages of the attached INDEPENDENT LIMITED ASSURANCE STATEMENT from Bureau Veritas

(7.9.2.7) Relevant standard

Select from:

☑ ISAE3000

(7.9.2.8) Proportion of reported emissions verified (%)

100

(7.9.3) Provide further details of the verification/assurance undertaken for your Scope 3 emissions and attach the relevant statements.

Row 1

(7.9.3.1) Scope 3 category

Select all that apply

- ☑ Scope 3: Capital goods
- ☑ Scope 3: Business travel
- ☑ Scope 3: Employee commuting
- ☑ Scope 3: Use of sold products
- ☑ Scope 3: Purchased goods and services
- ☑ Scope 3: Waste generated in operations
- ☑ Scope 3: End-of-life treatment of sold products
- ☑ Scope 3: Upstream transportation and distribution
- ☑ Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2)

(7.9.3.2) Verification or assurance cycle in place

Select from:

☑ Annual process

(7.9.3.3) Status in the current reporting year

Select from:

☑ Complete

(7.9.3.4) Type of verification or assurance

Select from:

☑ Limited assurance

(7.9.3.5) Link the statement

https://corporate.thermofisher.com/content/dam/tfcorpsite/documents/corporate-social-responsibility/csr-policies/Thermo%20Fisher%20Final%20Assurance%20statement%202023.pdf

(7.9.3.6) Page/section reference

All pages of the attached INDEPENDENT LIMITED ASSURANCE STATEMENT from Bureau Veritas

(7.9.3.7) Relevant standard

Select from:

☑ ISAE3000

(7.9.3.8) Proportion of reported emissions verified (%)

100

(7.10.1) Identify the reasons for any change in your gross global emissions (Scope 1 and 2 combined), and for each of them specify how your emissions compare to the previous year.

Change in renewable energy consumption

(7.10.1.1) Change in emissions (metric tons CO2e)

35225

(7.10.1.2) Direction of change in emissions

Select from:

☑ Decreased

(7.10.1.3) Emissions value (percentage)

5.8

(7.10.1.4) Please explain calculation

We increased our renewable electricity from 36% to 41% of total global electricity usage, resulting in a reduction of approximately 35,225 MTCO2e. [35,225 MTCO2e / 599,088 MTCO2e (2022 Scope 1 and 2) 5.8%]

Other emissions reduction activities

(7.10.1.1) Change in emissions (metric tons CO2e)

3100

(7.10.1.2) Direction of change in emissions

Select from:

☑ Decreased

(7.10.1.3) Emissions value (percentage)

0.5

(7.10.1.4) Please explain calculation

Reductions from projects in 2023 totaled 3,100 MTCO2e. [3,100 MTCO2e / 599,088 MTCO2e (2022 Scope 1 2) 0.5%]

Divestment

(7.10.1.1) Change in emissions (metric tons CO2e)

0

(7.10.1.2) Direction of change in emissions

Select from:

☑ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

No significant divestments occurred during the reporting period

Acquisitions

(7.10.1.1) Change in emissions (metric tons CO2e)

0

(7.10.1.2) Direction of change in emissions

Select from:

☑ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

The Binding Site Group acquisition was completed in October 2022. Scope 1 and 2 has been restated for 2018 through 2022 to account for The Binding Site Group, therefore no change when compared to the restated values.

Mergers

(7.10.1.1) Change in emissions (metric tons CO2e)

0

(7.10.1.2) Direction of change in emissions

Select from:

☑ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

No mergers occurred during the reporting period

Change in output

(7.10.1.1) Change in emissions (metric tons CO2e)

190

(7.10.1.2) Direction of change in emissions

Select from:

☑ Decreased

(7.10.1.3) Emissions value (percentage)

0.03

(7.10.1.4) Please explain calculation

We experienced a slight decrease in output attributed to the decreasing demand of the healthcare industry following COVID-19. [190 MTCO2e / 599,088 MTCO2e (2022 Scope 1 and 2) 0.03%]

Change in methodology

(7.10.1.1) Change in emissions (metric tons CO2e)

0

(7.10.1.2) Direction of change in emissions

Select from:

☑ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

2022 value were restated to use the same methodology as in 2023. See restated 2022 values in section 7.

Change in boundary

(7.10.1.1) Change in emissions (metric tons CO2e)

0

(7.10.1.2) Direction of change in emissions

Select from:
☑ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

2022 value were restated to use the same methodology as in 2023. See restated 2022 values in section 7.

Change in physical operating conditions

(7.10.1.1) Change in emissions (metric tons CO2e)

0

(7.10.1.2) Direction of change in emissions

Select from:
☑ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

No significant changes in physical operating conditions occurred in 2023.

Unidentified

(7.10.1.1) Change in emissions (metric tons CO2e)

0

(7.10.1.2) Direction of change in emissions

Select from:
☑ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

No other significant changes occurred in 2023 as compared to 2022.

(7.15.1) Break down your total gross global Scope 1 emissions by greenhouse gas type and provide the source of each used global warming potential (GWP).

Row 1

(7.15.1.1) Greenhouse gas

Select from:
☑ CO2

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

309969

(7.15.1.3) GWP Reference

Select from:

☑ IPCC Fifth Assessment Report (AR5 – 100 year)

Row 2

(7.15.1.1) Greenhouse gas

Select from:

☑ CH4

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

459

(7.15.1.3) GWP Reference

Select from:

☑ IPCC Fifth Assessment Report (AR5 – 100 year)

Row 3

(7.15.1.1) Greenhouse gas

Select from:

☑ N2O

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

502

(7.15.1.3) GWP Reference

Select from:

☑ IPCC Fifth Assessment Report (AR5 – 100 year)

Row 4

(7.15.1.1) Greenhouse gas

Select from:
☑ HFCs

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

20349

(7.15.1.3) GWP Reference

Select from:
☑ IPCC Fifth Assessment Report (AR5 – 100 year)

Row 5

(7.15.1.1) Greenhouse gas

Select from:
☑ PFCs

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

0

(7.15.1.3) GWP Reference

Select from:
☑ IPCC Fifth Assessment Report (AR5 – 100 year)

Row 6

(7.15.1.1) Greenhouse gas

Select from:

☑ SF6

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

184

(7.15.1.3) GWP Reference

Select from:

☑ IPCC Fifth Assessment Report (AR5 – 100 year)

(7.16) Break down your total gross global Scope 1 and 2 emissions by country/area.

Argentina

(7.16.1) Scope 1 emissions (metric tons CO2e)

314

(7.16.2) Scope 2, location-based (metric tons CO2e)

313

(7.16.3) Scope 2, market-based (metric tons CO2e)

309

Australia

(7.16.1) Scope 1 emissions (metric tons CO2e)

387

(7.16.2) Scope 2, location-based (metric tons CO2e)

3242

(7.16.3) Scope 2, market-based (metric tons CO2e)

3194

Austria

(7.16.1) Scope 1 emissions (metric tons CO2e)

9285

(7.16.2) Scope 2, location-based (metric tons CO2e)

8114

(7.16.3) Scope 2, market-based (metric tons CO2e)

1758

Belgium

(7.16.1) Scope 1 emissions (metric tons CO2e)

2556

(7.16.2) Scope 2, location-based (metric tons CO2e)

1441

(7.16.3) Scope 2, market-based (metric tons CO2e)

1378

Brazil

(7.16.1) Scope 1 emissions (metric tons CO2e)

1054

(7.16.2) Scope 2, location-based (metric tons CO2e)

223

(7.16.3) Scope 2, market-based (metric tons CO2e)

206

Bulgaria

(7.16.1) Scope 1 emissions (metric tons CO2e)

5

(7.16.2) Scope 2, location-based (metric tons CO2e)

118

(7.16.3) Scope 2, market-based (metric tons CO2e)

147

Canada

(7.16.1) Scope 1 emissions (metric tons CO2e)

11943

(7.16.2) Scope 2, location-based (metric tons CO2e)

4599

(7.16.3) Scope 2, market-based (metric tons CO2e)

4350

Chile

(7.16.1) Scope 1 emissions (metric tons CO2e)

56

(7.16.2) Scope 2, location-based (metric tons CO2e)

54

(7.16.3) Scope 2, market-based (metric tons CO2e)

45

China

(7.16.1) Scope 1 emissions (metric tons CO2e)

2657

(7.16.2) Scope 2, location-based (metric tons CO2e)

32516

(7.16.3) Scope 2, market-based (metric tons CO2e)

7222

Colombia

(7.16.1) Scope 1 emissions (metric tons CO2e)

2

(7.16.2) Scope 2, location-based (metric tons CO2e)

2

(7.16.3) Scope 2, market-based (metric tons CO2e)

2

Costa Rica

(7.16.1) Scope 1 emissions (metric tons CO2e)

20

(7.16.2) Scope 2, location-based (metric tons CO2e)

0

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

Croatia

(7.16.1) Scope 1 emissions (metric tons CO2e)

3

(7.16.2) Scope 2, location-based (metric tons CO2e)

5

(7.16.3) Scope 2, market-based (metric tons CO2e)

18

Czechia

(7.16.1) Scope 1 emissions (metric tons CO2e)

391

(7.16.2) Scope 2, location-based (metric tons CO2e)

7499

(7.16.3) Scope 2, market-based (metric tons CO2e)

696

Denmark

(7.16.1) Scope 1 emissions (metric tons CO2e)

873

(7.16.2) Scope 2, location-based (metric tons CO2e)

963

(7.16.3) Scope 2, market-based (metric tons CO2e)

5094

Finland

(7.16.1) Scope 1 emissions (metric tons CO2e)

259

(7.16.2) Scope 2, location-based (metric tons CO2e)

1627

(7.16.3) Scope 2, market-based (metric tons CO2e)

5409

France

(7.16.1) Scope 1 emissions (metric tons CO2e)

5787

(7.16.2) Scope 2, location-based (metric tons CO2e)

789

(7.16.3) Scope 2, market-based (metric tons CO2e)

1699

Germany

(7.16.1) Scope 1 emissions (metric tons CO2e)

7069

(7.16.2) Scope 2, location-based (metric tons CO2e)

10371

(7.16.3) Scope 2, market-based (metric tons CO2e)

2230

Greece

(7.16.1) Scope 1 emissions (metric tons CO2e)

197

(7.16.2) Scope 2, location-based (metric tons CO2e)

48

(7.16.3) Scope 2, market-based (metric tons CO2e)

72

Hong Kong SAR, China

(7.16.1) Scope 1 emissions (metric tons CO2e)

5

(7.16.2) Scope 2, location-based (metric tons CO2e)

32

(7.16.3) Scope 2, market-based (metric tons CO2e)

32

Hungary

(7.16.1) Scope 1 emissions (metric tons CO2e)

319

(7.16.2) Scope 2, location-based (metric tons CO2e)

143

(7.16.3) Scope 2, market-based (metric tons CO2e)

206

India

(7.16.1) Scope 1 emissions (metric tons CO2e)

658

(7.16.2) Scope 2, location-based (metric tons CO2e)

5370

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

Indonesia

(7.16.1) Scope 1 emissions (metric tons CO2e)

0

(7.16.2) Scope 2, location-based (metric tons CO2e)

2

(7.16.3) Scope 2, market-based (metric tons CO2e)

2

Ireland

(7.16.1) Scope 1 emissions (metric tons CO2e)

27735

(7.16.2) Scope 2, location-based (metric tons CO2e)

14205

(7.16.3) Scope 2, market-based (metric tons CO2e)

1141

Israel

(7.16.1) Scope 1 emissions (metric tons CO2e)

154

(7.16.2) Scope 2, location-based (metric tons CO2e)

141

(7.16.3) Scope 2, market-based (metric tons CO2e)

139

Italy

(7.16.1) Scope 1 emissions (metric tons CO2e)

29360

(7.16.2) Scope 2, location-based (metric tons CO2e)

11163

(7.16.3) Scope 2, market-based (metric tons CO2e)

1230

Japan

(7.16.1) Scope 1 emissions (metric tons CO2e)

787

(7.16.2) Scope 2, location-based (metric tons CO2e)

2383

(7.16.3) Scope 2, market-based (metric tons CO2e)

2349

Jordan

(7.16.1) Scope 1 emissions (metric tons CO2e)

6

(7.16.2) Scope 2, location-based (metric tons CO2e)

18

(7.16.3) Scope 2, market-based (metric tons CO2e)

18

Latvia

(7.16.1) Scope 1 emissions (metric tons CO2e)

25

(7.16.2) Scope 2, location-based (metric tons CO2e)

5

(7.16.3) Scope 2, market-based (metric tons CO2e)

10

Lithuania

(7.16.1) Scope 1 emissions (metric tons CO2e)

3267

(7.16.2) Scope 2, location-based (metric tons CO2e)

3488

(7.16.3) Scope 2, market-based (metric tons CO2e)

8178

Malaysia

(7.16.1) Scope 1 emissions (metric tons CO2e)

33

(7.16.2) Scope 2, location-based (metric tons CO2e)

384

(7.16.3) Scope 2, market-based (metric tons CO2e)

378

Mexico

(7.16.1) Scope 1 emissions (metric tons CO2e)

887

(7.16.2) Scope 2, location-based (metric tons CO2e)

12184

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

Netherlands

(7.16.1) Scope 1 emissions (metric tons CO2e)

3374

(7.16.2) Scope 2, location-based (metric tons CO2e)

7676

(7.16.3) Scope 2, market-based (metric tons CO2e)

1693

New Zealand

(7.16.1) Scope 1 emissions (metric tons CO2e)

491

(7.16.2) Scope 2, location-based (metric tons CO2e)

779

(7.16.3) Scope 2, market-based (metric tons CO2e)

768

Norway

(7.16.1) Scope 1 emissions (metric tons CO2e)

48

(7.16.2) Scope 2, location-based (metric tons CO2e)

285

(7.16.3) Scope 2, market-based (metric tons CO2e)

2822

Pakistan

(7.16.1) Scope 1 emissions (metric tons CO2e)

0

(7.16.2) Scope 2, location-based (metric tons CO2e)

1

(7.16.3) Scope 2, market-based (metric tons CO2e)

1

Peru

(7.16.1) Scope 1 emissions (metric tons CO2e)

5

(7.16.2) Scope 2, location-based (metric tons CO2e)

6

(7.16.3) Scope 2, market-based (metric tons CO2e)

6

Philippines

(7.16.1) Scope 1 emissions (metric tons CO2e)

0

(7.16.2) Scope 2, location-based (metric tons CO2e)

449

(7.16.3) Scope 2, market-based (metric tons CO2e)

408

Poland

(7.16.1) Scope 1 emissions (metric tons CO2e)

274

(7.16.2) Scope 2, location-based (metric tons CO2e)

548

(7.16.3) Scope 2, market-based (metric tons CO2e)

748

Portugal

(7.16.1) Scope 1 emissions (metric tons CO2e)

194

(7.16.2) Scope 2, location-based (metric tons CO2e)

29

(7.16.3) Scope 2, market-based (metric tons CO2e)

83

Republic of Korea

(7.16.1) Scope 1 emissions (metric tons CO2e)

522

(7.16.2) Scope 2, location-based (metric tons CO2e)

2820

(7.16.3) Scope 2, market-based (metric tons CO2e)

2779

Romania

(7.16.1) Scope 1 emissions (metric tons CO2e)

72

(7.16.2) Scope 2, location-based (metric tons CO2e)

16

(7.16.3) Scope 2, market-based (metric tons CO2e)

16

Russian Federation

(7.16.1) Scope 1 emissions (metric tons CO2e)

78

(7.16.2) Scope 2, location-based (metric tons CO2e)

401

(7.16.3) Scope 2, market-based (metric tons CO2e)

395

Saudi Arabia

(7.16.1) Scope 1 emissions (metric tons CO2e)

1

(7.16.2) Scope 2, location-based (metric tons CO2e)

8

(7.16.3) Scope 2, market-based (metric tons CO2e)

8

Serbia

(7.16.1) Scope 1 emissions (metric tons CO2e)

13

(7.16.2) Scope 2, location-based (metric tons CO2e)

102

(7.16.3) Scope 2, market-based (metric tons CO2e)

135

Singapore

(7.16.1) Scope 1 emissions (metric tons CO2e)

1142

(7.16.2) Scope 2, location-based (metric tons CO2e)

11986

(7.16.3) Scope 2, market-based (metric tons CO2e)

11815

Slovakia

(7.16.1) Scope 1 emissions (metric tons CO2e)

33

(7.16.2) Scope 2, location-based (metric tons CO2e)

52

(7.16.3) Scope 2, market-based (metric tons CO2e)

39

South Africa

(7.16.1) Scope 1 emissions (metric tons CO2e)

704

(7.16.2) Scope 2, location-based (metric tons CO2e)

3502

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

Spain

(7.16.1) Scope 1 emissions (metric tons CO2e)

936

(7.16.2) Scope 2, location-based (metric tons CO2e)

335

(7.16.3) Scope 2, market-based (metric tons CO2e)

622

Sweden

(7.16.1) Scope 1 emissions (metric tons CO2e)

625

(7.16.2) Scope 2, location-based (metric tons CO2e)

777

(7.16.3) Scope 2, market-based (metric tons CO2e)

1029

Switzerland

(7.16.1) Scope 1 emissions (metric tons CO2e)

2038

(7.16.2) Scope 2, location-based (metric tons CO2e)

1565

(7.16.3) Scope 2, market-based (metric tons CO2e)

1542

Taiwan, China

(7.16.1) Scope 1 emissions (metric tons CO2e)

35

(7.16.2) Scope 2, location-based (metric tons CO2e)

514

(7.16.3) Scope 2, market-based (metric tons CO2e)

506

Thailand

(7.16.1) Scope 1 emissions (metric tons CO2e)

9

(7.16.2) Scope 2, location-based (metric tons CO2e)

53

(7.16.3) Scope 2, market-based (metric tons CO2e)

53

Turkey

(7.16.1) Scope 1 emissions (metric tons CO2e)

117

(7.16.2) Scope 2, location-based (metric tons CO2e)

14

(7.16.3) Scope 2, market-based (metric tons CO2e)

13

Ukraine

(7.16.1) Scope 1 emissions (metric tons CO2e)

1

(7.16.2) Scope 2, location-based (metric tons CO2e)

190

(7.16.3) Scope 2, market-based (metric tons CO2e)

187

United Arab Emirates

(7.16.1) Scope 1 emissions (metric tons CO2e)

16

(7.16.2) Scope 2, location-based (metric tons CO2e)

96

(7.16.3) Scope 2, market-based (metric tons CO2e)

95

United Kingdom of Great Britain and Northern Ireland

(7.16.1) Scope 1 emissions (metric tons CO2e)

24849

(7.16.2) Scope 2, location-based (metric tons CO2e)

12041

(7.16.3) Scope 2, market-based (metric tons CO2e)

1300

United States Minor Outlying Islands

(7.16.1) Scope 1 emissions (metric tons CO2e)

14958

(7.16.2) Scope 2, location-based (metric tons CO2e)

7428

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

United States of America

(7.16.1) Scope 1 emissions (metric tons CO2e)

174833

(7.16.2) Scope 2, location-based (metric tons CO2e)

254783

(7.16.3) Scope 2, market-based (metric tons CO2e)

154531

Viet Nam

(7.16.1) Scope 1 emissions (metric tons CO2e)

1

(7.16.2) Scope 2, location-based (metric tons CO2e)

5

(7.16.3) Scope 2, market-based (metric tons CO2e)

5

(7.17.1) Break down your total gross global Scope 1 emissions by business division.

	Business division	Scope 1 emissions (metric ton CO2e)
Row 1	*Analytical Instruments*	*5407*
Row 2	*Specialty Diagnostics*	*13111*
Row 3	*Life Sciences Solutions*	*51648*
Row 4	*Corporate Offices and Fleet*	*41312*
Row 5	*Laboratory Products and Biopharma Services*	*219323*

(7.20.1) Break down your total gross global Scope 2 emissions by business division.

	Business division	Scope 2, market-based (metric tons CO2e)
Row 1	*Analytical Instruments*	*10166*
Row 2	*Life Sciences Solutions*	*65376*
Row 3	*Specialty Diagnostics*	*9372*
Row 4	*Corporate Offices and Fleet*	*784*
Row 5	*Laboratory Products and Biopharma Services*	*144149*

(7.22) Break down your gross Scope 1 and Scope 2 emissions between your consolidated accounting group and other entities included in your response.

Consolidated accounting group

(7.22.1) Scope 1 emissions (metric tons CO2e)

331463

(7.22.2) Scope 2, location-based emissions (metric tons CO2e)

427904

(7.22.3) Scope 2, market-based emissions (metric tons CO2e)

229110

(7.22.4) Please explain

Thermo Fisher reports emissions at the parent company level inclusive of all subsidiaries.

All other entities

(7.22.1) Scope 1 emissions (metric tons CO2e)

0

(7.22.2) Scope 2, location-based emissions (metric tons CO2e)

0

(7.22.3) Scope 2, market-based emissions (metric tons CO2e)

0

(7.22.4) Please explain

Not applicable.

(7.26) Allocate your emissions to your customers listed below according to the goods or services you have sold them in this reporting period - REDACTED.

(7.27) What are the challenges in allocating emissions to different customers, and what would help you to overcome these challenges?

Row 1

(7.27.1) Allocation challenges

Select from:
☑ Diversity of product lines makes accurately accounting for each product/product line cost ineffective

(7.27.2) Please explain what would help you overcome these challenges

Thermo Fisher manufacturers and sells a wide variety of products to enable our customers to make the world healthier, cleaner and safer. At the present time, creating carbon footprints for every product SKU is not possible although we hope to make progress in the next decade. Until that time, we will continue to use an economic intensity spend-based approach to customer allocations.

(7.28) Do you plan to develop your capabilities to allocate emissions to your customers in the future?

(7.28.1) Do you plan to develop your capabilities to allocate emissions to your customers in the future?

Select from:

☑ Yes

(7.28.2) Describe how you plan to develop your capabilities

In 2023, we enhanced our economic intensity spend-based approach by increasing the calculation granularity from enterprise to business segment - enabling us to identify which businesses are more emission-intensive than others. With the business-level breakout achieved, we are exploring the possibility of increasing granularity to product-level allocations available long-term.

(7.30) Select which energy-related activities your organization has undertaken.

	Indicate whether your organization undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	*Select from:* ☑ Yes
Consumption of purchased or acquired electricity	*Select from:* ☑ Yes
Consumption of purchased or acquired heat	*Select from:* ☑ Yes
Consumption of purchased or acquired steam	*Select from:*

	Indicate whether your organization undertook this energy-related activity in the reporting year
	☑ Yes
Consumption of purchased or acquired cooling	*Select from:* ☑ No
Generation of electricity, heat, steam, or cooling	*Select from:* ☑ Yes

(7.30.1) Report your organization’s energy consumption totals (excluding feedstocks) in MWh.

Consumption of fuel (excluding feedstock)

(7.30.1.1) Heating value

Select from:
☑ HHV (higher heating value)

(7.30.1.2) MWh from renewable sources

0

(7.30.1.3) MWh from non-renewable sources

1484280

(7.30.1.4) Total (renewable and non-renewable) MWh

1484280

Consumption of purchased or acquired electricity

(7.30.1.1) Heating value

Select from:

☑ Unable to confirm heating value

(7.30.1.2) MWh from renewable sources

526032

(7.30.1.3) MWh from non-renewable sources

764714

(7.30.1.4) Total (renewable and non-renewable) MWh

1290746

Consumption of purchased or acquired heat

(7.30.1.1) Heating value

Select from:

☑ Unable to confirm heating value

(7.30.1.2) MWh from renewable sources

0

(7.30.1.3) MWh from non-renewable sources

21560

(7.30.1.4) Total (renewable and non-renewable) MWh

21560

Consumption of purchased or acquired steam

(7.30.1.1) Heating value

Select from:
☑ Unable to confirm heating value

(7.30.1.2) MWh from renewable sources

0

(7.30.1.3) MWh from non-renewable sources

15008

(7.30.1.4) Total (renewable and non-renewable) MWh

15008

Consumption of self-generated non-fuel renewable energy

(7.30.1.1) Heating value

Select from:
☑ Unable to confirm heating value

(7.30.1.2) MWh from renewable sources

11140

(7.30.1.4) Total (renewable and non-renewable) MWh

11140

Total energy consumption

(7.30.1.1) Heating value

Select from:

☑ Unable to confirm heating value

(7.30.1.2) MWh from renewable sources

537173

(7.30.1.3) MWh from non-renewable sources

2285561

(7.30.1.4) Total (renewable and non-renewable) MWh

2822734

(7.30.6) Select the applications of your organization’s consumption of fuel.

	Indicate whether your organization undertakes this fuel application
Consumption of fuel for the generation of electricity	*Select from:* ☑ Yes
Consumption of fuel for the generation of heat	*Select from:* ☑ Yes
Consumption of fuel for the generation of steam	*Select from:* ☑ Yes

	Indicate whether your organization undertakes this fuel application
Consumption of fuel for the generation of cooling	*Select from:* ☑ No
Consumption of fuel for co-generation or tri-generation	*Select from:* ☑ Yes

(7.30.7) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.

Sustainable biomass

(7.30.7.1) Heating value

Select from:
☑ HHV

(7.30.7.2) Total fuel MWh consumed by the organization

0

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.5) MWh fuel consumed for self-generation of steam

0

(7.30.7.6) MWh fuel consumed for self-generation of cooling

0

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

0

(7.30.7.8) Comment

No sustainable biomass is recorded as being used in our operations.

Other biomass

(7.30.7.1) Heating value

Select from:
☑ HHV

(7.30.7.2) Total fuel MWh consumed by the organization

0

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.5) MWh fuel consumed for self-generation of steam

0

(7.30.7.6) MWh fuel consumed for self-generation of cooling

0

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

0

(7.30.7.8) Comment

No biomass is recorded as being used in our operations.

Other renewable fuels (e.g. renewable hydrogen)

(7.30.7.1) Heating value

Select from:
☑ HHV

(7.30.7.2) Total fuel MWh consumed by the organization

0

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.5) MWh fuel consumed for self-generation of steam

0

(7.30.7.6) MWh fuel consumed for self-generation of cooling

0

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

0

(7.30.7.8) Comment

No hydrogen is recorded as being used in our operations.

Coal

(7.30.7.1) Heating value

Select from:
☑ HHV

(7.30.7.2) Total fuel MWh consumed by the organization

0

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.5) MWh fuel consumed for self-generation of steam

0

(7.30.7.6) MWh fuel consumed for self-generation of cooling

0

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

0

(7.30.7.8) Comment

No coal is recorded as being used in our operations.

Oil

(7.30.7.1) Heating value

Select from:
☑ HHV

(7.30.7.2) Total fuel MWh consumed by the organization

3736

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

3736

(7.30.7.5) MWh fuel consumed for self-generation of steam

0

(7.30.7.6) MWh fuel consumed for self-generation of cooling

0

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

0

(7.30.7.8) Comment

Includes breakdown of fuel oil used by our operations.

Gas

(7.30.7.1) Heating value

Select from:
☑ HHV

(7.30.7.2) Total fuel MWh consumed by the organization

1141001

(7.30.7.3) MWh fuel consumed for self-generation of electricity

954

(7.30.7.4) MWh fuel consumed for self-generation of heat

572807

(7.30.7.5) MWh fuel consumed for self-generation of steam

519506

(7.30.7.6) MWh fuel consumed for self-generation of cooling

0

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

47734

(7.30.7.8) Comment

Breakdown of enterprise natural gas usage per use is estimated based on general site operational characteristics.

Other non-renewable fuels (e.g. non-renewable hydrogen)

(7.30.7.1) Heating value

Select from:
☑ HHV

(7.30.7.2) Total fuel MWh consumed by the organization

339543

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

9983

(7.30.7.5) MWh fuel consumed for self-generation of steam

329560

(7.30.7.6) MWh fuel consumed for self-generation of cooling

0

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

0

(7.30.7.8) Comment

Includes propane, diesel, liquified propane gas, and other crude oil and petroleum products.

Total fuel

(7.30.7.1) Heating value

Select from:
☑ HHV

(7.30.7.2) Total fuel MWh consumed by the organization

1484280

(7.30.7.3) MWh fuel consumed for self-generation of electricity

954

(7.30.7.4) MWh fuel consumed for self-generation of heat

582789

(7.30.7.5) MWh fuel consumed for self-generation of steam

849066

(7.30.7.6) MWh fuel consumed for self-generation of cooling

0

(7.30.7.7) MWh fuel consumed for self- cogeneration or self-trigeneration

47734

(7.30.7.8) Comment

Includes all fuels used in our operations.

(7.30.9) Provide details on the electricity, heat, steam, and cooling your organization has generated and consumed in the reporting year.

Electricity

(7.30.9.1) Total Gross generation (MWh)

14863

(7.30.9.2) Generation that is consumed by the organization (MWh)

11140

(7.30.9.3) Gross generation from renewable sources (MWh)

14863

(7.30.9.4) Generation from renewable sources that is consumed by the organization (MWh)

11140

Heat

(7.30.9.1) Total Gross generation (MWh)

0

(7.30.9.2) Generation that is consumed by the organization (MWh)

0

(7.30.9.3) Gross generation from renewable sources (MWh)

0

(7.30.9.4) Generation from renewable sources that is consumed by the organization (MWh)

0

Steam

(7.30.9.1) Total Gross generation (MWh)

0

(7.30.9.2) Generation that is consumed by the organization (MWh)

0

(7.30.9.3) Gross generation from renewable sources (MWh)

0

(7.30.9.4) Generation from renewable sources that is consumed by the organization (MWh)

0

Cooling

(7.30.9.1) Total Gross generation (MWh)

0

(7.30.9.2) Generation that is consumed by the organization (MWh)

0

(7.30.9.3) Gross generation from renewable sources (MWh)

0

(7.30.9.4) Generation from renewable sources that is consumed by the organization (MWh)

0

(7.30.14) Provide details on the electricity, heat, steam, and/or cooling amounts that were accounted for at a zero or near-zero emission factor in the market-based Scope 2 figure reported in 7.7.

Row 1

(7.30.14.1) Country/area

Select from:
☑ Brazil

(7.30.14.2) Sourcing method

Select from:
☑ Unbundled procurement of energy attribute certificates (EACs)

(7.30.14.3) Energy carrier

Select from:
☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:
☑ Renewable energy mix, please specify**:** Unknown mix

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

103

(7.30.14.6) Tracking instrument used

Select from:

☑ I-REC

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ Brazil

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ No

Row 2

(7.30.14.1) Country/area

Select from:

☑ Mexico

(7.30.14.2) Sourcing method

Select from:

☑ Unbundled procurement of energy attribute certificates (EACs)

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Renewable energy mix, please specify **:**Solar and Wind

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

29828

(7.30.14.6) Tracking instrument used

Select from:

☑ I-REC

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ Mexico

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ Yes

(7.30.14.9) Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2013

(7.30.14.10) Comment

Two facilities - solar with 2017 commissioning date and onshore wind with 2013 commissioning date.

Row 3

(7.30.14.1) Country/area

Select from:

☑ South Africa

(7.30.14.2) Sourcing method

Select from:

☑ Unbundled procurement of energy attribute certificates (EACs)

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Renewable energy mix, please specify :Solar and onshore wind

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

3882

(7.30.14.6) Tracking instrument used

Select from:

☑ I-REC

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ South Africa

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ Yes

(7.30.14.9) Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2014

Row 4

(7.30.14.1) Country/area

Select from:

☑ China

(7.30.14.2) Sourcing method

Select from:

☑ Unbundled procurement of energy attribute certificates (EACs)

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Hydropower (capacity unknown)

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

41000

(7.30.14.6) Tracking instrument used

Select from:

☑ I-REC

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ China

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ Yes

(7.30.14.9) Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2008

Row 5

(7.30.14.1) Country/area

Select from:

☑ India

(7.30.14.2) Sourcing method

Select from:

☑ Unbundled procurement of energy attribute certificates (EACs)

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Renewable energy mix, please specify :Unknown mix

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

7482

(7.30.14.6) Tracking instrument used

Select from:

☑ I-REC

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ India

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ No

Row 6

(7.30.14.1) Country/area

Select from:

☑ United States of America

(7.30.14.2) Sourcing method

Select from:

☑ Financial (virtual) power purchase agreement (VPPA)

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Wind

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

191256

(7.30.14.6) Tracking instrument used

Select from:
☑ Contract

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:
☑ United States of America

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:
☑ Yes

(7.30.14.9) Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2023

Row 7

(7.30.14.1) Country/area

Select from:
☑ United Kingdom of Great Britain and Northern Ireland

(7.30.14.2) Sourcing method

Select from:

☑ Retail supply contract with an electricity supplier (retail green electricity)

(7.30.14.3) Energy carrier

Select from:
☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:
☑ Renewable energy mix, please specify :Unknown mix

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

56865

(7.30.14.6) Tracking instrument used

Select from:
☑ REGO

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:
☑ United Kingdom of Great Britain and Northern Ireland

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:
☑ No

Row 10

(7.30.14.1) Country/area

Select from:

☑ Czechia

(7.30.14.2) Sourcing method

Select from:

☑ Retail supply contract with an electricity supplier (retail green electricity)

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Renewable energy mix, please specify :Unknown mix

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

14812

(7.30.14.6) Tracking instrument used

Select from:

☑ GO

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ Czechia

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ No

Row 11

(7.30.14.1) Country/area

Select from:
☑ Netherlands

(7.30.14.2) Sourcing method

Select from:
☑ Retail supply contract with an electricity supplier (retail green electricity)

(7.30.14.3) Energy carrier

Select from:
☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:
☑ Renewable energy mix, please specify **:**Wind and unknown mix

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

21932

(7.30.14.6) Tracking instrument used

Select from:
☑ GO

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ Netherlands

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ No

Row 12

(7.30.14.1) Country/area

Select from:

☑ Ireland

(7.30.14.2) Sourcing method

Select from:

☑ Retail supply contract with an electricity supplier (retail green electricity)

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Renewable energy mix, please specify :Unknown mix

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

34535

(7.30.14.6) Tracking instrument used

Select from:
☑ GO

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:
☑ Ireland

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:
☑ No

Row 13

(7.30.14.1) Country/area

Select from:
☑ Italy

(7.30.14.2) Sourcing method

Select from:
☑ Retail supply contract with an electricity supplier (retail green electricity)

(7.30.14.3) Energy carrier

Select from:
☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:
☑ Renewable energy mix, please specify :Unknown mix

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

40657

(7.30.14.6) Tracking instrument used

Select from:

☑ GO

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ Italy

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ No

Row 14

(7.30.14.1) Country/area

Select from:

☑ United States of America

(7.30.14.2) Sourcing method

Select from:

☑ Retail supply contract with an electricity supplier (retail green electricity)

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Renewable energy mix, please specify :Unknown mix

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

8749

(7.30.14.6) Tracking instrument used

Select from:

☑ US-REC

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ United States of America

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ No

Row 15

(7.30.14.1) Country/area

Select from:

☑ United States of America

(7.30.14.2) Sourcing method

Select from:

☑ Unbundled procurement of energy attribute certificates (EACs)

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Renewable energy mix, please specify :Unknown mix

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

15821

(7.30.14.6) Tracking instrument used

Select from:

☑ US-REC

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ United States of America

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ No

Row 16

(7.30.14.1) Country/area

Select from:

☑ Austria

(7.30.14.2) Sourcing method

Select from:

☑ Retail supply contract with an electricity supplier (retail green electricity)

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Wind

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

32114

(7.30.14.6) Tracking instrument used

Select from:

☑ GO

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ Austria

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ No

Row 17

(7.30.14.1) Country/area

Select from:

☑ Germany

(7.30.14.2) Sourcing method

Select from:

☑ Retail supply contract with an electricity supplier (retail green electricity)

(7.30.14.3) Energy carrier

Select from:

☑ Electricity

(7.30.14.4) Low-carbon technology type

Select from:

☑ Renewable energy mix, please specify **:**Unknown mix

(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

26995

(7.30.14.6) Tracking instrument used

Select from:

☑ GO

(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☑ Germany

(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☑ No

(7.30.16) Provide a breakdown by country/area of your electricity/heat/steam/cooling consumption in the reporting year.

Argentina

(7.30.16.1) Consumption of purchased electricity (MWh)

1011

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

1011.00

Australia

(7.30.16.1) Consumption of purchased electricity (MWh)

4968.2

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0.2

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

4968.40

Austria

(7.30.16.1) Consumption of purchased electricity (MWh)

271.6

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

9614.9

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

9886.50

Belgium

(7.30.16.1) Consumption of purchased electricity (MWh)

9676.3

(7.30.16.2) Consumption of self-generated electricity (MWh)

3.55

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

9679.85

Brazil

(7.30.16.1) Consumption of purchased electricity (MWh)

1553.8

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

1553.80

Bulgaria

(7.30.16.1) Consumption of purchased electricity (MWh)

287.2

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

287.20

Canada

(7.30.16.1) Consumption of purchased electricity (MWh)

37240.6

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

37240.60

Chile

(7.30.16.1) Consumption of purchased electricity (MWh)

123

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

123.00

China

(7.30.16.1) Consumption of purchased electricity (MWh)

12297.7

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

1715.2

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

14012.90

Colombia

(7.30.16.1) Consumption of purchased electricity (MWh)

13.6

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

13.60

Costa Rica

(7.30.16.1) Consumption of purchased electricity (MWh)

563

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

563.00

Croatia

(7.30.16.1) Consumption of purchased electricity (MWh)

35.6

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

35.60

Czechia

(7.30.16.1) Consumption of purchased electricity (MWh)

433.4

(7.30.16.2) Consumption of self-generated electricity (MWh)

944.33

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

2239.4

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

3617.13

Denmark

(7.30.16.1) Consumption of purchased electricity (MWh)

9256.4

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

9256.40

Finland

(7.30.16.1) Consumption of purchased electricity (MWh)

8856.8

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

4204.3

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

13061.10

France

(7.30.16.1) Consumption of purchased electricity (MWh)

13767.4

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

13767.40

Germany

(7.30.16.1) Consumption of purchased electricity (MWh)

2560.2

(7.30.16.2) Consumption of self-generated electricity (MWh)

90.61

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

3038.4

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

5689.21

Greece

(7.30.16.1) Consumption of purchased electricity (MWh)

142.5

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

142.50

Hong Kong SAR, China

(7.30.16.1) Consumption of purchased electricity (MWh)

52.4

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

52.40

Hungary

(7.30.16.1) Consumption of purchased electricity (MWh)

520.2

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

233.8

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

754.00

India

(7.30.16.1) Consumption of purchased electricity (MWh)

0

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

0.00

Indonesia

(7.30.16.1) Consumption of purchased electricity (MWh)

2.3

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

2.30

Ireland

(7.30.16.1) Consumption of purchased electricity (MWh)

2439.1

(7.30.16.2) Consumption of self-generated electricity (MWh)

7844.24

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

10283.34

Israel

(7.30.16.1) Consumption of purchased electricity (MWh)

317.1

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

317.10

Italy

(7.30.16.1) Consumption of purchased electricity (MWh)

2724.3

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

2724.30

Japan

(7.30.16.1) Consumption of purchased electricity (MWh)

5116.2

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

5116.20

Jordan

(7.30.16.1) Consumption of purchased electricity (MWh)

48.4

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

48.40

Latvia

(7.30.16.1) Consumption of purchased electricity (MWh)

19.6

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

19.60

Lithuania

(7.30.16.1) Consumption of purchased electricity (MWh)

17769.6

(7.30.16.2) Consumption of self-generated electricity (MWh)

325.89

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

18095.49

Malaysia

(7.30.16.1) Consumption of purchased electricity (MWh)

617.2

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

617.20

Mexico

(7.30.16.1) Consumption of purchased electricity (MWh)

0

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

0.00

Netherlands

(7.30.16.1) Consumption of purchased electricity (MWh)

3985.6

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0.2

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

3985.80

New Zealand

(7.30.16.1) Consumption of purchased electricity (MWh)

5741.3

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

5741.30

Norway

(7.30.16.1) Consumption of purchased electricity (MWh)

5232.9

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

1279.8

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

6512.70

Pakistan

(7.30.16.1) Consumption of purchased electricity (MWh)

1.9

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

1.90

Peru

(7.30.16.1) Consumption of purchased electricity (MWh)

30.6

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

30.60

Philippines

(7.30.16.1) Consumption of purchased electricity (MWh)

630.3

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

630.30

Poland

(7.30.16.1) Consumption of purchased electricity (MWh)

883.3

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

883.30

Portugal

(7.30.16.1) Consumption of purchased electricity (MWh)

189

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

189.00

Republic of Korea

(7.30.16.1) Consumption of purchased electricity (MWh)

6152.9

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

6152.90

Romania

(7.30.16.1) Consumption of purchased electricity (MWh)

60.3

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

60.30

Russian Federation

(7.30.16.1) Consumption of purchased electricity (MWh)

1101.3

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

1101.30

Saudi Arabi

(7.30.16.1) Consumption of purchased electricity (MWh)

12.5

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

12.50

Serbia

(7.30.16.1) Consumption of purchased electricity (MWh)

143.6

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

143.60

Singapore

(7.30.16.1) Consumption of purchased electricity (MWh)

31220.3

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

31220.30

Slovakia

(7.30.16.1) Consumption of purchased electricity (MWh)

209.2

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

209.20

South Africa

(7.30.16.1) Consumption of purchased electricity (MWh)

0

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

0.00

Spain

(7.30.16.1) Consumption of purchased electricity (MWh)

2290.2

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

2290.20

Sweden

(7.30.16.1) Consumption of purchased electricity (MWh)

10540

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

3518

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

14058.00

Switzerland

(7.30.16.1) Consumption of purchased electricity (MWh)

13812.9

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

1452.3

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

15265.20

Taiwan, China

(7.30.16.1) Consumption of purchased electricity (MWh)

897.7

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

897.70

Thailand

(7.30.16.1) Consumption of purchased electricity (MWh)

113.4

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

113.40

Turkey

(7.30.16.1) Consumption of purchased electricity (MWh)

32

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

32.00

Ukraine

(7.30.16.1) Consumption of purchased electricity (MWh)

654.3

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

654.30

United Arab Emirates

(7.30.16.1) Consumption of purchased electricity (MWh)

202.7

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

202.70

United Kingdom of Great Britain and Northern Ireland

(7.30.16.1) Consumption of purchased electricity (MWh)

6121.6

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

6121.60

United States Minor Outlying Islands

(7.30.16.1) Consumption of purchased electricity (MWh)

0

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

0.00

United States of America

(7.30.16.1) Consumption of purchased electricity (MWh)

542400.4

(7.30.16.2) Consumption of self-generated electricity (MWh)

1657.13

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

9271.3

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

553328.83

Viet Nam

(7.30.16.1) Consumption of purchased electricity (MWh)

8.6

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

8.60

(7.45) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.

Row 1

(7.45.1) Intensity figure

13.1

(7.45.2) Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)

560573

(7.45.3) Metric denominator

Select from:
☑ unit total revenue

(7.45.4) Metric denominator: Unit total

42800000000

(7.45.5) Scope 2 figure used

Select from:
☑ Market-based

(7.45.6) % change from previous year

0.2

(7.45.7) Direction of change

Select from:
☑ Decreased

(7.45.8) Reasons for change

Select all that apply
☑ Change in renewable energy consumption

(7.45.9) Please explain

Our procurement and consumption of renewable electricity increased in 2023, from 36% of global electricity to 41%, resulting in decreased absolute emissions.

(7.53.1) Provide details of your absolute emissions targets and progress made against those targets.

Row 1

(7.53.1.1) Target reference number

Select from:
☑ Abs 1

(7.53.1.2) Is this a science-based target?

Select from:
☑ Yes, and this target has been approved by the Science Based Targets initiative

(7.53.1.3) Science Based Targets initiative official validation letter

Thermo Fisher_ SBTi Net Zero Approval Letter.pdf

(7.53.1.4) Target ambition

Select from:

☑ 1.5°C aligned

(7.53.1.5) Date target was set

04/13/2023

(7.53.1.6) Target coverage

Select from:

☑ Organization-wide

(7.53.1.7) Greenhouse gases covered by target

Select all that apply

☑ Methane (CH4)

☑ Nitrous oxide (N2O)

☑ Carbon dioxide (CO2)

☑ Perfluorocarbons (PFCs)

☑ Hydrofluorocarbons (HFCs)

☑ Sulphur hexafluoride (SF6)

☑ Nitrogen trifluoride (NF3)

(7.53.1.8) Scopes

Select all that apply

☑ Scope 1

☑ Scope 2

(7.53.1.9) Scope 2 accounting method

Select from:

☑ Market-based

(7.53.1.11) End date of base year

12/31/2018

(7.53.1.12) Base year Scope 1 emissions covered by target (metric tons CO2e)

300724

(7.53.1.13) Base year Scope 2 emissions covered by target (metric tons CO2e)

489810

(7.53.1.31) Base year total Scope 3 emissions covered by target (metric tons CO2e)

0.000

(7.53.1.32) Total base year emissions covered by target in all selected Scopes (metric tons CO2e)

790534.000

(7.53.1.33) Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1

100

(7.53.1.34) Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2

100

(7.53.1.53) Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes

100

(7.53.1.54) End date of target

12/31/2050

(7.53.1.55) Targeted reduction from base year (%)

90

(7.53.1.56) Total emissions at end date of target covered by target in all selected Scopes (metric tons CO2e)

79053.400

(7.53.1.57) Scope 1 emissions in reporting year covered by target (metric tons CO2e)

331463

(7.53.1.58) Scope 2 emissions in reporting year covered by target (metric tons CO2e)

229110

(7.53.1.77) Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)

560573.000

(7.53.1.78) Land-related emissions covered by target

Select from:

☑ No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

(7.53.1.79) % of target achieved relative to base year

32.32

(7.53.1.80) Target status in reporting year

Select from:

☑ Underway

(7.53.1.82) Explain target coverage and identify any exclusions

This target, 90% reduction in Scope 1 and 2 greenhouse gas emissions by 2050 from a 2018 baseline, covers 100% of relevant Thermo Fisher emission sources using operational-control as the defined boundary. There are no exclusions.

(7.53.1.83) Target objective

This target was set to align with the SBTi Net-Zero Standard and the Paris Agreement, demonstrating Thermo Fisher's commitment to scientifically validated climate action. Thermo Fisher's mission is to enable our customers to make the world healthier, cleaner, and safer. This commitment holds our organization publicly accountable to our customers, employees, investors, and other key stakeholders.

(7.53.1.84) Plan for achieving target, and progress made to the end of the reporting year

Our net-zero roadmap, as presented in our 2023 Corporate Social Responsibility Report, outlines our plan to achieve this target. We will transition away from fossil fuels in our buildings and fleet, transition to low-impact refrigerants, and accelerate the adoption of renewable electricity. In 2023, our emissions were more than 29% lower compared to our 2018 baseline. Year over year, we achieved a reduction of 7% by increasing our procurement of renewable electricity, reaching 41% of our total electricity usage, and flattening fossil fuel growth through energy conservation practices.

(7.53.1.85) Target derived using a sectoral decarbonization approach

Select from:

☑ No

Row 2

(7.53.1.1) Target reference number

Select from:

☑ Abs 2

(7.53.1.2) Is this a science-based target?

Select from:

☑ Yes, and this target has been approved by the Science Based Targets initiative

(7.53.1.3) Science Based Targets initiative official validation letter

Thermo Fisher_ SBTi Net Zero Approval Letter.pdf

(7.53.1.4) Target ambition

Select from:

☑ 1.5°C aligned

(7.53.1.5) Date target was set

04/13/2023

(7.53.1.6) Target coverage

Select from:

☑ Organization-wide

(7.53.1.7) Greenhouse gases covered by target

Select all that apply

☑ Methane (CH4)

☑ Nitrous oxide (N2O)

☑ Carbon dioxide (CO2)

☑ Perfluorocarbons (PFCs)

☑ Hydrofluorocarbons (HFCs)

☑ Sulphur hexafluoride (SF6)

☑ Nitrogen trifluoride (NF3)

(7.53.1.8) Scopes

Select all that apply

☑ Scope 3

(7.53.1.10) Scope 3 categories

Select all that apply

☑ Scope 3, Category 2 – Capital goods

☑ Scope 3, Category 6 – Business travel

☑ Scope 3, Category 7 – Employee commuting

☑ Scope 3, Category 11 – Use of sold products

☑ Scope 3, Category 8 - Upstream leased assets

☑ Scope 3, Category 1 – Purchased goods and services

☑ Scope 3, Category 5 – Waste generated in operations

☑ Scope 3, Category 12 – End-of-life treatment of sold products

☑ Scope 3, Category 4 – Upstream transportation and distribution

☑ Scope 3, Category 9 – Downstream transportation and distribution

☑ Scope 3, Category 3 – Fuel- and energy- related activities (not included in Scope 1 or 2)

(7.53.1.11) End date of base year

12/31/2021

(7.53.1.14) Base year Scope 3, Category 1: Purchased goods and services emissions covered by target (metric tons CO2e)

8832506

(7.53.1.15) Base year Scope 3, Category 2: Capital goods emissions covered by target (metric tons CO2e)

527605

(7.53.1.16) Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target (metric tons CO2e)

134040

(7.53.1.17) Base year Scope 3, Category 4: Upstream transportation and distribution emissions covered by target (metric tons CO2e)

1379680

(7.53.1.18) Base year Scope 3, Category 5: Waste generated in operations emissions covered by target (metric tons CO2e)

54367

(7.53.1.19) Base year Scope 3, Category 6: Business travel emissions covered by target (metric tons CO2e)

52198

(7.53.1.20) Base year Scope 3, Category 7: Employee commuting emissions covered by target (metric tons CO2e)

241959

(7.53.1.21) Base year Scope 3, Category 8: Upstream leased assets emissions covered by target (metric tons CO2e)

0

(7.53.1.22) Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target (metric tons CO2e)

0.1

(7.53.1.24) Base year Scope 3, Category 11: Use of sold products emissions covered by target (metric tons CO2e)

2075313

(7.53.1.25) Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target (metric tons CO2e)

83240

(7.53.1.31) Base year total Scope 3 emissions covered by target (metric tons CO2e)

13380908.100

(7.53.1.32) Total base year emissions covered by target in all selected Scopes (metric tons CO2e)

13380908.100

(7.53.1.35) Base year Scope 3, Category 1: Purchased goods and services emissions covered by target as % of total base year emissions in Scope 3, Category 1: Purchased goods and services (metric tons CO2e)

100

(7.53.1.36) Base year Scope 3, Category 2: Capital goods emissions covered by target as % of total base year emissions in Scope 3, Category 2: Capital goods (metric tons CO2e)

100

(7.53.1.37) Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target as % of total base year emissions in Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

100

(7.53.1.38) Base year Scope 3, Category 4: Upstream transportation and distribution covered by target as % of total base year emissions in Scope 3, Category 4: Upstream transportation and distribution (metric tons CO2e)

100

(7.53.1.39) Base year Scope 3, Category 5: Waste generated in operations emissions covered by target as % of total base year emissions in Scope 3, Category 5: Waste generated in operations (metric tons CO2e)

100

(7.53.1.40) Base year Scope 3, Category 6: Business travel emissions covered by target as % of total base year emissions in Scope 3, Category 6: Business travel (metric tons CO2e)

100

(7.53.1.41) Base year Scope 3, Category 7: Employee commuting covered by target as % of total base year emissions in Scope 3, Category 7: Employee commuting (metric tons CO2e)

100

(7.53.1.42) Base year Scope 3, Category 8: Upstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 8: Upstream leased assets (metric tons CO2e)

100

(7.53.1.43) Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target as % of total base year emissions in Scope 3, Category 9: Downstream transportation and distribution (metric tons CO2e)

100

(7.53.1.45) Base year Scope 3, Category 11: Use of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 11: Use of sold products (metric tons CO2e)

100

(7.53.1.46) Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 12: End-of-life treatment of sold products (metric tons CO2e)

100

(7.53.1.52) Base year total Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)

100

(7.53.1.53) Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes

100

(7.53.1.54) End date of target

12/31/2050

(7.53.1.55) Targeted reduction from base year (%)

90

(7.53.1.56) Total emissions at end date of target covered by target in all selected Scopes (metric tons CO2e)

1338090.810

(7.53.1.59) Scope 3, Category 1: Purchased goods and services emissions in reporting year covered by target (metric tons CO2e)

8017278

(7.53.1.60) Scope 3, Category 2: Capital goods emissions in reporting year covered by target (metric tons CO2e)

284151

(7.53.1.61) Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions in reporting year covered by target (metric tons CO2e)

113854

(7.53.1.62) Scope 3, Category 4: Upstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

1105642

(7.53.1.63) Scope 3, Category 5: Waste generated in operations emissions in reporting year covered by target (metric tons CO2e)

40603

(7.53.1.64) Scope 3, Category 6: Business travel emissions in reporting year covered by target (metric tons CO2e)

132089

(7.53.1.65) Scope 3, Category 7: Employee commuting emissions in reporting year covered by target (metric tons CO2e)

228902

(7.53.1.66) Scope 3, Category 8: Upstream leased assets emissions in reporting year covered by target (metric tons CO2e)

0

(7.53.1.67) Scope 3, Category 9: Downstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

0.1

(7.53.1.69) Scope 3, Category 11: Use of sold products emissions in reporting year covered by target (metric tons CO2e)

1330011

(7.53.1.70) Scope 3, Category 12: End-of-life treatment of sold products emissions in reporting year covered by target (metric tons CO2e)

67821

(7.53.1.76) Total Scope 3 emissions in reporting year covered by target (metric tons CO2e)

11320351.100

(7.53.1.77) Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)

11320351.100

(7.53.1.78) Land-related emissions covered by target

Select from:

☑ No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

(7.53.1.79) % of target achieved relative to base year

17.11

(7.53.1.80) Target status in reporting year

Select from:

☑ Underway

(7.53.1.82) Explain target coverage and identify any exclusions

This target, 90% reduction in Scope 3 greenhouse gas emissions by 2050 from a 2021 baseline, covers 100% of relevant Thermo Fisher emission sources using operational-control as the defined boundary. There are no exclusions.

(7.53.1.83) Target objective

This target was set to align with the SBTi Net-Zero Standard and the Paris Agreement, demonstrating Thermo Fisher's commitment to scientifically validated climate action. Thermo Fisher's mission is to enable our customers to make the world healthier, cleaner, and safer. This commitment holds our organization publicly accountable to our customers, employees, investors, and other key stakeholders.

(7.53.1.84) Plan for achieving target, and progress made to the end of the reporting year

Our net-zero roadmap, as presented in our 2023 Corporate Social Responsibility Report, outlines our plan to achieve this target. Recognizing that our supply chain is our largest source of emissions, we have developed a comprehensive supplier engagement strategy

(7.53.1.85) Target derived using a sectoral decarbonization approach

Select from:

☑ No

Row 3

(7.53.1.1) Target reference number

Select from:

☑ Abs 3

(7.53.1.2) Is this a science-based target?

Select from:

☑ Yes, and this target has been approved by the Science Based Targets initiative

(7.53.1.3) Science Based Targets initiative official validation letter

Thermo Fisher_ SBTi Net Zero Approval Letter.pdf

(7.53.1.4) Target ambition

Select from:

☑ 1.5°C aligned

(7.53.1.5) Date target was set

04/13/2023

(7.53.1.6) Target coverage

Select from:

☑ Organization-wide

(7.53.1.7) Greenhouse gases covered by target

Select all that apply

☑ Methane (CH4)

☑ Nitrous oxide (N2O)

☑ Carbon dioxide (CO2)

☑ Perfluorocarbons (PFCs)

☑ Hydrofluorocarbons (HFCs)

☑ Sulphur hexafluoride (SF6)

(7.53.1.8) Scopes

Select all that apply

☑ Scope 1

☑ Scope 2

(7.53.1.9) Scope 2 accounting method

Select from:

☑ Market-based

(7.53.1.11) End date of base year

12/31/2018

(7.53.1.12) Base year Scope 1 emissions covered by target (metric tons CO2e)

300724

(7.53.1.13) Base year Scope 2 emissions covered by target (metric tons CO2e)

489810

(7.53.1.31) Base year total Scope 3 emissions covered by target (metric tons CO2e)

0.000

(7.53.1.32) Total base year emissions covered by target in all selected Scopes (metric tons CO2e)

790534.000

(7.53.1.33) Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1

100

(7.53.1.34) Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2

100

(7.53.1.53) Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes

100

(7.53.1.54) End date of target

12/31/2030

(7.53.1.55) Targeted reduction from base year (%)

50.4

(7.53.1.56) Total emissions at end date of target covered by target in all selected Scopes (metric tons CO2e)

392104.864

(7.53.1.57) Scope 1 emissions in reporting year covered by target (metric tons CO2e)

331463

(7.53.1.58) Scope 2 emissions in reporting year covered by target (metric tons CO2e)

229110

(7.53.1.77) Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)

560573.000

(7.53.1.78) Land-related emissions covered by target

Select from:

☑ No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

(7.53.1.79) % of target achieved relative to base year

57.72

(7.53.1.80) Target status in reporting year

Select from:

☑ Underway

(7.53.1.82) Explain target coverage and identify any exclusions

This target, 50.4% reduction in Scope 1 and 2 greenhouse gas emissions by 2030 from a 2018 baseline, covers 100% of relevant Thermo Fisher emission sources using operational-control as the defined boundary. There are no exclusions.

(7.53.1.83) Target objective

This target was set to align with the SBTi Net-Zero Standard and the Paris Agreement, demonstrating Thermo Fisher's commitment to scientifically validated climate action. Thermo Fisher's mission is to enable our customers to make the world healthier, cleaner, and safer. This commitment holds our organization publicly accountable to our customers, employees, investors, and other key stakeholders.

(7.53.1.84) Plan for achieving target, and progress made to the end of the reporting year

Our net-zero roadmap, as presented in our 2023 Corporate Social Responsibility Report, outlines our plan to achieve this target. We will transition away from fossil fuels in our buildings and fleet, transition to low-impact refrigerants, and accelerate the adoption of renewable electricity. In 2023, our emissions were more than 29% lower compared to our 2018 baseline. Year over year, we achieved a reduction of 7% by increasing our procurement of renewable electricity, reaching 41% of our total electricity usage, and flattening fossil fuel growth through energy conservation practices.

(7.53.1.85) Target derived using a sectoral decarbonization approach

Select from:

☑ No

[Add row]

(7.54.2) Provide details of any other climate-related targets, including methane reduction targets.

Row 1

(7.54.2.1) Target reference number

Select from:

☑ Oth 1

(7.54.2.2) Date target was set

04/13/2023

(7.54.2.3) Target coverage

Select from:

☑ Organization-wide

(7.54.2.4) Target type: absolute or intensity

Select from:

☑ Absolute

(7.54.2.5) Target type: category & Metric (target numerator if reporting an intensity target)

Engagement with suppliers

☑ Percentage of suppliers (by procurement spend) with a science-based target

(7.54.2.7) End date of base year

12/31/2021

(7.54.2.8) Figure or percentage in base year

6

(7.54.2.9) End date of target

12/31/2027

(7.54.2.10) Figure or percentage at end of date of target

90

(7.54.2.11) Figure or percentage in reporting year

18

(7.54.2.12) % of target achieved relative to base year

14.2857142857

(7.54.2.13) Target status in reporting year

Select from:

☑ Underway

(7.54.2.15) Is this target part of an emissions target?

Yes, this is our validated science-based near-term target for Scope 3 emissions.

(7.54.2.16) Is this target part of an overarching initiative?

Select all that apply

☑ Science Based targets initiative - approved other

(7.54.2.17) Science Based Targets initiative official validation letter

Thermo Fisher_ SBTi Net Zero Approval Letter.pdf

(7.54.2.18) Please explain target coverage and identify any exclusions

This target, 90% of suppliers, by spend, setting a science-based target by 2027 covers our purchasing of goods and services and transportation of those goods for the company. There are no exclusions.

(7.54.2.19) Target objective

This target was set to align with the SBTi Net-Zero Standard and the Paris Agreement, demonstrating Thermo Fisher's commitment to scientifically validated climate action. Thermo Fisher's mission is to enable our customers to make the world healthier, cleaner, and safer. This commitment holds our organization publicly accountable to our customers, employees, investors, and other key stakeholders.

(7.54.2.20) Plan for achieving target, and progress made to the end of the reporting year

Our plan to achieve this target is outlined by our net-zero roadmap as presented in our 2023 Corporate Social Responsibility Report such that we will engage with suppliers to support them on their decarbonization journey. Over several years, we have engaged with our suppliers using EcoVadis.

Row 2

(7.54.2.1) Target reference number

Select from:

☑ Oth 2

(7.54.2.2) Date target was set

12/06/2023

(7.54.2.3) Target coverage

Select from:

☑ Organization-wide

(7.54.2.4) Target type: absolute or intensity

Select from:

☑ Absolute

(7.54.2.5) Target type: category & Metric (target numerator if reporting an intensity target)

Renewable fuel consumption

☑ Percentage of total fuel consumption that is from renewable sources

(7.54.2.7) End date of base year

12/31/2023

(7.54.2.8) Figure or percentage in base year

41

(7.54.2.9) End date of target

12/31/2030

(7.54.2.10) Figure or percentage at end of date of target

80

(7.54.2.11) Figure or percentage in reporting year

41

(7.54.2.12) % of target achieved relative to base year

0.0000000000

(7.54.2.13) Target status in reporting year

Select from:

☑ New

(7.54.2.15) Is this target part of an emissions target?

No, this target is not part of an emissions target.

(7.54.2.16) Is this target part of an overarching initiative?

Select all that apply

☑ Other, please specify **:**This target aligns with the Sustainable Markets Initiative (SMI) Health Systems Task Force joint supplier standards

(7.54.2.18) Please explain target coverage and identify any exclusions

This target, 80% renewable electricity globally by 2030, covers our global operation network. There are no exclusions.

(7.54.2.19) Target objective

This target, of achieving 80% renewable electricity globally, accelerates our progress toward our Scope 1 and 2 near-term goal. In alignment with the Sustainable Markets Initiative (SMI) Health Systems Task Force joint supplier standards, this target demonstrates Thermo Fisher's commitment to a net-zero future and underscores our collaborative approach to addressing the climate.

(7.54.2.20) Plan for achieving target, and progress made to the end of the reporting year

In 2023, Thermo Fisher established a commitment to achieve 80% renewable electricity globally by 2030. As outlined in our 2023 Corporate Social Responsibility Report, we plan to accelerate the adoption of renewable electricity through onsite development and renewable electricity procurement. At the end of the reporting year, we achieve 41% renewable electricity globally.

(7.54.3) Provide details of your net-zero target(s).

Row 1

(7.54.3.1) Target reference number

Select from:

☑ NZ1

(7.54.3.2) Date target was set

04/13/2023

(7.54.3.3) Target Coverage

Select from:

☑ Organization-wide

(7.54.3.4) Targets linked to this net zero target

Select all that apply

☑ Abs1

☑ Abs2

(7.54.3.5) End date of target for achieving net zero

12/31/2050

(7.54.3.6) Is this a science-based target?

Select from:

☑ Yes, and this target has been approved by the Science Based Targets initiative

(7.54.3.7) Science Based Targets initiative official validation letter

Thermo Fisher_ SBTi Net Zero Approval Letter.pdf

(7.54.3.8) Scopes

Select all that apply

☑ Scope 1

☑ Scope 2

☑ Scope 3

(7.54.3.9) Greenhouse gases covered by target

Select all that apply

☑ Methane (CH4)

☑ Nitrous oxide (N2O)

☑ Carbon dioxide (CO2)

☑ Perfluorocarbons (PFCs)

☑ Hydrofluorocarbons (HFCs)

☑ Sulphur hexafluoride (SF6)

☑ Nitrogen trifluoride (NF3)

(7.54.3.10) Explain target coverage and identify any exclusions

This target, net-zero emissions by 2050 covers 100% of Thermo Fisher Scientific's Scope 1, 2 and 3 emission sources using operational control as a boundary. There are no exclusions.

(7.54.3.11) Target objective

This target was set to align with the SBTi Net-Zero Standard and the Paris Agreement, demonstrating Thermo Fisher's commitment to scientifically validated climate action. Thermo Fisher's mission is to enable our customers to make the world healthier, cleaner, and safer. This commitment holds our organization publicly accountable to our customers, employees, investors, and other key stakeholders.

(7.54.3.12) Do you intend to neutralize any residual emissions with permanent carbon removals at the end of the target?

Select from:

☑ Yes

(7.54.3.13) Do you plan to mitigate emissions beyond your value chain?

Select from:

☑ No, we do not plan to mitigate emissions beyond our value chain

(7.54.3.14) Do you intend to purchase and cancel carbon credits for neutralization and/or beyond value chain mitigation?

Select all that apply

☑ Yes, we plan to purchase and cancel carbon credits for neutralization at the end of the target

(7.54.3.15) Planned milestones and/or near-term investments for neutralization at the end of the target

As neutralization of any unabated emissions (if any) with permanent carbon removals would not occur until our target year of 2050, our focus is on our near-term efforts on absolute reductions to drive emissions by at least 90%.

(7.54.3.17) Target status in reporting year

Select from:

☑ Underway

(7.54.3.19) Process for reviewing target

Our process for reviewing this goal includes an annual progress update. To determine progress toward this goal, the reporting year emissions are compared to the baseline year emissions. As outlined in our 2023 Corporate Social Responsibility Report, Scope 1 and 2 emissions were more than 29% lower than our 2018 baseline.

(7.55.1) Identify the total number of initiatives at each stage of development, and for those in the implementation stages, the estimated CO2e savings.

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Under investigation	*259*	*`Numeric input*
To be implemented	*58*	*71200*
Implementation commenced	*0*	*0*
Implemented	*24*	*11700*
Not to be implemented	*18*	*`Numeric input*

(7.55.2) Provide details on the initiatives implemented in the reporting year in the table below.

Row 1

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in production processes

☑ Electrification

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

1340

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 1

(7.55.2.4) Voluntary/Mandatory

Select from:
☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

0

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

4500000

(7.55.2.7) Payback period

Select from:
☑ No payback

(7.55.2.8) Estimated lifetime of the initiative

Select from:
☑ 16-20 years

Row 2

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in buildings
☑ Heating, Ventilation and Air Conditioning (HVAC)

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

110

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 1

(7.55.2.4) Voluntary/Mandatory

Select from:

☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

16000

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

200000

(7.55.2.7) Payback period

Select from:

☑ 11-15 years

(7.55.2.8) Estimated lifetime of the initiative

Select from:

☑ 6-10 years

Row 3

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in buildings

☑ Heating, Ventilation and Air Conditioning (HVAC)

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

2720

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 1

(7.55.2.4) Voluntary/Mandatory

Select from:

☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

300000

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

460830

(7.55.2.7) Payback period

Select from:

☑ 1-3 years

(7.55.2.8) Estimated lifetime of the initiative

Select from:

☑ 6-10 years

Row 4

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in production processes

☑ Machine/equipment replacement

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

2370

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 1

(7.55.2.4) Voluntary/Mandatory

Select from:

☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

172000

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

2800000

(7.55.2.7) Payback period

Select from:

☑ 16-20 years

(7.55.2.8) Estimated lifetime of the initiative

Select from:

☑ 16-20 years

Row 5

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in buildings

☑ Insulation

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

15

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 1

(7.55.2.4) Voluntary/Mandatory

Select from:

☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

2400

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

2000

(7.55.2.7) Payback period

Select from:

☑ <1 year

(7.55.2.8) Estimated lifetime of the initiative

Select from:

☑ 6-10 years

Row 6

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in production processes

☑ Electrification

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

1350

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 1

(7.55.2.4) Voluntary/Mandatory

Select from:

☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

0

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

2000000

(7.55.2.7) Payback period

Select from:

☑ No payback

(7.55.2.8) Estimated lifetime of the initiative

Select from:

☑ 16-20 years

Row 7

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in buildings

☑ Heating, Ventilation and Air Conditioning (HVAC)

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

800

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 1

(7.55.2.4) Voluntary/Mandatory

Select from:

☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

180000

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

1300000

(7.55.2.7) Payback period

Select from:
☑ 4-10 years

(7.55.2.8) Estimated lifetime of the initiative

Select from:
☑ 6-10 years

Row 8

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in buildings
☑ Heating, Ventilation and Air Conditioning (HVAC)

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

780

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply
☑ Scope 1

(7.55.2.4) Voluntary/Mandatory

Select from:

☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

280000

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

1300000

(7.55.2.7) Payback period

Select from:

☑ 4-10 years

(7.55.2.8) Estimated lifetime of the initiative

Select from:

☑ 16-20 years

Row 9

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in production processes

☑ Machine/equipment replacement

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

210

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 1

(7.55.2.4) Voluntary/Mandatory

Select from:

☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

0

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

535000

(7.55.2.7) Payback period

Select from:

☑ No payback

(7.55.2.8) Estimated lifetime of the initiative

Select from:

☑ 16-20 years

Row 10

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in buildings

☑ Insulation

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

170

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 1

(7.55.2.4) Voluntary/Mandatory

Select from:

☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

21000

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

18000

(7.55.2.7) Payback period

Select from:

☑ <1 year

(7.55.2.8) Estimated lifetime of the initiative

Select from:

☑ 6-10 years

Row 11

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in buildings

☑ Heating, Ventilation and Air Conditioning (HVAC)

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

700

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 1

(7.55.2.4) Voluntary/Mandatory

Select from:

☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

86000

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

660000

(7.55.2.7) Payback period

Select from:

☑ 4-10 years

(7.55.2.8) Estimated lifetime of the initiative

Select from:

☑ 6-10 years

Row 12

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in buildings

☑ Heating, Ventilation and Air Conditioning (HVAC)

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

350

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 1

(7.55.2.4) Voluntary/Mandatory

Select from:

☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

0

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

900000

(7.55.2.7) Payback period

Select from:

☑ No payback

(7.55.2.8) Estimated lifetime of the initiative

Select from:

☑ 11-15 years

Row 13

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in buildings

☑ Heating, Ventilation and Air Conditioning (HVAC)

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

300

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 1

(7.55.2.4) Voluntary/Mandatory

Select from:

☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

42000

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

800000

(7.55.2.7) Payback period

Select from:

☑ 16-20 years

(7.55.2.8) Estimated lifetime of the initiative

Select from:

☑ 6-10 years

Row 14

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in buildings

☑ Heating, Ventilation and Air Conditioning (HVAC)

(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

200

(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☑ Scope 1

(7.55.2.4) Voluntary/Mandatory

Select from:

☑ Voluntary

(7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

25000

(7.55.2.6) Investment required (unit currency – as specified in C0.4)

152000

(7.55.2.7) Payback period

Select from:
☑ 4-10 years

(7.55.2.8) Estimated lifetime of the initiative

Select from:
☑ 6-10 years
[Add row]

(7.55.3) What methods do you use to drive investment in emissions reduction activities?

Row 1

(7.55.3.1) Method

Select from:
☑ Employee engagement

(7.55.3.2) Comment

More than 500 colleagues track and report onsite activity to measure progress against climate-related KPIs.

Row 2

(7.55.3.1) Method

Select from:
☑ Compliance with regulatory requirements/standards

(7.55.3.2) Comment

An example is Europe's planned ban on fossil fuel vehicles in 2035.

Row 3

(7.55.3.1) Method

Select from:

☑ Internal finance mechanisms

(7.55.3.2) Comment

GHG impacts were incorporated into our capital request process, requiring an exception for any project that adds or extends fossil fuel consumption.
[Add row]

(7.74.1) Provide details of your products and/or services that you classify as low-carbon products.

Row 1

(7.74.1.1) Level of aggregation

Select from:

☑ Product or service

(7.74.1.2) Taxonomy used to classify product(s) or service(s) as low-carbon

Select from:

☑ Green Bond Principles (ICMA)

(7.74.1.3) Type of product(s) or service(s)

Power

☑ Other, please specify **:**Ultra Low Temperature Freezer

(7.74.1.4) Description of product(s) or service(s)

The United States Environmental Protection Agency and European Commission have identified that hydrofluorocarbons (HFCs) are powerful greenhouse gases with significant global warming potential. TSX Series ULT freezers use natural, non-hydrofluorocarbon (HFC) refrigerants, which help reduce environmental impact and further increase cooling efficiency.

(7.74.1.5) Have you estimated the avoided emissions of this low-carbon product(s) or service(s)

Select from:

☑ Yes

(7.74.1.6) Methodology used to calculate avoided emissions

Select from:

☑ Other, please specify **:**Reduction calculated by identifying lifetime refrigerant emissions of current refrigerant used in Freezers compared to previous refrigerants (R-134a).

(7.74.1.7) Life cycle stage(s) covered for the low-carbon product(s) or services(s)

Select from:

☑ Use stage

(7.74.1.8) Functional unit used

Per Unit

(7.74.1.9) Reference product/service or baseline scenario used

Ultra-Low Temperature Freezers

(7.74.1.10) Life cycle stage(s) covered for the reference product/service or baseline scenario

Select from:

☑ Use stage

(7.74.1.11) Estimated avoided emissions (metric tons CO2e per functional unit) compared to reference product/service or baseline scenario

0.15

(7.74.1.12) Explain your calculation of avoided emissions, including any assumptions

Reduction is calculated by identifying lifetime refrigerant emissions of current refrigerant used in freezers compared to previous refrigerants (R-134a) based on Calculating HFC and PFC Emissions from the Manufacturing, Installation, Operation, and Disposal of Refrigerants & Air-conditioning Equipment (Version 1.0) prepared by the GHG Protocol.

(7.74.1.13) Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year

0.3

C9. Environmental performance - Water security

(9.2) Across all your operations, what proportion of the following water aspects are regularly measured and monitored?

Water withdrawals – total volumes

(9.2.1) % of sites/facilities/operations

Select from:

☑ 100%

(9.2.2) Frequency of measurement

Select from:

☑ Monthly

(9.2.3) Method of measurement

We measure water withdrawals via utility invoices, site meters or estimations on a monthly basis

(9.2.4) Please explain

Water withdrawal is used to track improvements in site efficiency. We measure water withdrawals via utility invoices on a monthly basis and report data externally on an annual basis. 'Site' and 'operations' refer to all Thermo Fisher facility-uses, which include manufacturing, offices, warehouses, service depots, and laboratories.

Water withdrawals – volumes by source

(9.2.1) % of sites/facilities/operations

Select from:

☑ 100%

(9.2.2) Frequency of measurement

Select from:

☑ Monthly

(9.2.3) Method of measurement

We measure water withdrawals via utility invoices, site meters or estimations on a monthly basis

(9.2.4) Please explain

Water withdrawal is used to track improvements in site efficiency. We measure water withdrawals via utility invoices on a monthly basis and report data externally on an annual basis.

Water withdrawals quality

(9.2.1) % of sites/facilities/operations

Select from:

☑ Not relevant

(9.2.4) Please explain

Not relevant for our operations

Water discharges – total volumes

(9.2.1) % of sites/facilities/operations

Select from:

☑ 100%

(9.2.2) Frequency of measurement

Select from:

☑ Monthly

(9.2.3) Method of measurement

We measure water withdrawals via utility invoices, site meters or estimations on a monthly basis

(9.2.4) Please explain

Over the past 12 months, we improved our data collection procedures which increased our site coverage.

Water discharges – volumes by destination

(9.2.1) % of sites/facilities/operations

Select from:
☑ 100%

(9.2.2) Frequency of measurement

Select from:
☑ Monthly

(9.2.3) Method of measurement

We measure water withdrawals via utility invoices, site meters or estimations on a monthly basis

(9.2.4) Please explain

Over the past 12 months, we improved our data collection procedures which increased our site coverage.

Water discharges – volumes by treatment method

(9.2.1) % of sites/facilities/operations

Select from:
☑ Not monitored

(9.2.4) Please explain

Water discharges are monitored at a site level to comply with water discharge permits, but the data is not aggregated at the enterprise level for external reporting.

Water discharge quality – by standard effluent parameters

(9.2.1) % of sites/facilities/operations

Select from:

☑ 76-99

(9.2.2) Frequency of measurement

Select from:

☑ Quarterly

(9.2.3) Method of measurement

Water sampling and analysis. Frequency required by permits is commonly quarterly, but will vary based on local regulations.

(9.2.4) Please explain

Water discharge quality is measured at sites in accordance with applicable water discharge requirements and permits. Many of our sites are office or warehouse-based facilities that do not have these requirements and are excluded from consideration in the percentage.

Water discharge quality – emissions to water (nitrates, phosphates, pesticides, and/or other priority substances)

(9.2.1) % of sites/facilities/operations

Select from:

☑ Not monitored

(9.2.4) Please explain

Water discharges are monitored at a site level to comply with water discharge permits, but the data is not aggregated at the enterprise level for external reporting.

Water discharge quality – temperature

(9.2.1) % of sites/facilities/operations

Select from:

☑ 100%

(9.2.2) Frequency of measurement

Select from:

☑ Quarterly

(9.2.3) Method of measurement

Water sampling and analysis. Frequency required by permits is commonly quarterly, but will vary based on local regulations.

(9.2.4) Please explain

Water discharge quality is measured at sites in accordance with applicable water discharge requirements and permits. Many of our sites are office or warehouse-based facilities that do not have these requirements and are excluded from consideration in the percentage.

Water consumption – total volume

(9.2.1) % of sites/facilities/operations

Select from:

☑ 100%

(9.2.2) Frequency of measurement

Select from:

☑ Monthly

(9.2.3) Method of measurement

We measure water consumption via withdrawal and discharge utility invoices, site meters, and/or estimations on a monthly basis.

(9.2.4) Please explain

Over the past 12 months, we improved our data collection procedures which increased our site coverage.

Water recycled/reused

(9.2.1) % of sites/facilities/operations

Select from:
☑ 1-25

(9.2.2) Frequency of measurement

Select from:
☑ Monthly

(9.2.3) Method of measurement

We measure water reuse/recycling via withdrawal utility invoices and onsite meters on a monthly basis.

(9.2.4) Please explain

Over the past 12 months, we improved our data collection procedures which increased our site coverage. Approximately 80% of our operations is monitored by floor space. 'Site' and 'operations' refer to all Thermo Fisher facility-uses, which include manufacturing, offices, warehouses, service depots, and laboratories.

The provision of fully-functioning, safely managed WASH services to all workers

(9.2.1) % of sites/facilities/operations

Select from:
☑ 100%

(9.2.2) Frequency of measurement

Select from:

☑ Continuously

(9.2.3) Method of measurement

Compliance with WASH practices is continuously monitored and measured to align with regulations.

(9.2.4) Please explain

In accordance with our Environmental, Health, and Safety Policy, all sites must comply with all applicable environmental, health and safety laws, regulations and other related standards we may adopt and endorse; implement sound environmental, health and safety management practices throughout our global organization, operations and activities; and operate in a manner that ensures a safe work environment. 'Site' and 'operations' refer to all Thermo Fisher facility-uses, which include manufacturing, offices, warehouses, service depots, and laboratories.

(9.2.2) What are the total volumes of water withdrawn, discharged, and consumed across all your operations, how do they compare to the previous reporting year, and how are they forecasted to change?

Total withdrawals

(9.2.2.1) Volume (megaliters/year)

19000

(9.2.2.2) Comparison with previous reporting year

Select from:

☑ Lower

(9.2.2.3) Primary reason for comparison with previous reporting year

Select from:

☑ Increase/decrease in business activity

(9.2.2.4) Five-year forecast

Select from:

☑ About the same

(9.2.2.5) Primary reason for forecast

Select from:

☑ Increase/decrease in efficiency

(9.2.2.6) Please explain

Over the past 12 months, we improved our data collection procedures and restated our 2022 value. Changes in business activity are currently the primary driver for changes in our water withdrawal. Over the next five years, we do not anticipate substantial changes in water withdrawal as increases in efficiency resulting from our approach to water may be offset by changes in business activity. Thresholds used: /- 5% about the same; between /- 5-15% higher / lower; /- 15% much higher / lower.

Total discharges

(9.2.2.1) Volume (megaliters/year)

16900

(9.2.2.2) Comparison with previous reporting year

Select from:

☑ Lower

(9.2.2.3) Primary reason for comparison with previous reporting year

Select from:

☑ Increase/decrease in business activity

(9.2.2.4) Five-year forecast

Select from:

☑ About the same

(9.2.2.5) Primary reason for forecast

Select from:

☑ Increase/decrease in efficiency

(9.2.2.6) Please explain

Over the past 12 months, we improved our data collection procedures and restated our 2022 value. Changes in business activity are currently the primary driver for changes in our water discharge. Over the next five years, we do not anticipate substantial changes in water discharge as increases in efficiency resulting from our approach to water may be offset by changes in business activity. Thresholds used: /- 5% about the same; between /- 5-15% higher / lower; /- 15% much higher / lower.

Total consumption

(9.2.2.1) Volume (megaliters/year)

2100

(9.2.2.2) Comparison with previous reporting year

Select from:

☑ About the same

(9.2.2.3) Primary reason for comparison with previous reporting year

Select from:

☑ Increase/decrease in business activity

(9.2.2.4) Five-year forecast

Select from:

☑ About the same

(9.2.2.5) Primary reason for forecast

Select from:

☑ Increase/decrease in efficiency

(9.2.2.6) Please explain

Over the past 12 months, we improved our data collection procedures and restated our 2022 value. Changes in business activity are currently the primary driver for changes in our water consumption. Over the next five years, we do not anticipate substantial changes in water consumption as increases in efficiency resulting from our approach to water may be offset by changes in business activity. Thresholds used: /- 5% about the same; between /- 5-15% higher / lower; /- 15% much higher / lower.

(9.2.4) Indicate whether water is withdrawn from areas with water stress, provide the volume, how it compares with the previous reporting year, and how it is forecasted to change.

(9.2.4.1) Withdrawals are from areas with water stress

Select from:

☑ Yes

(9.2.4.2) Volume withdrawn from areas with water stress (megaliters)

150

(9.2.4.3) Comparison with previous reporting year

Select from:

☑ Much lower

(9.2.4.4) Primary reason for comparison with previous reporting year

Select from:

☑ Increase/decrease in business activity

(9.2.4.5) Five-year forecast

Select from:

☑ About the same

(9.2.4.6) Primary reason for forecast

Select from:

☑ Increase/decrease in business activity

(9.2.4.7) % of total withdrawals that are withdrawn from areas with water stress

0.79

(9.2.4.8) Identification tool

Select all that apply

☑ WWF Water Risk Filter

(9.2.4.9) Please explain

To identify and manage water risks across our portfolio of sites, we used the World Wildlife Fund's Water Risk Filter tool. We conducted a high-level screening of basin-level water risks across 517 Thermo Fisher sites, 4 of which were identified as being in a high-risk basin. We measure water withdrawals via utility invoices on a monthly basis and determined withdrawals in water stressed regions represent /- 15% much higher / lower.

(9.2.7) Provide total water withdrawal data by source.

Fresh surface water, including rainwater, water from wetlands, rivers, and lakes

(9.2.7.1) Relevance

Select from:

☑ Relevant

(9.2.7.2) Volume (megaliters/year)

11600

(9.2.7.3) Comparison with previous reporting year

Select from:

☑ Lower

(9.2.7.4) Primary reason for comparison with previous reporting year

Select from:

☑ Increase/decrease in business activity

(9.2.7.5) Please explain

The volume reported in column 2 includes rainwater and fresh surface water withdrawal. Nearly all fresh surface water withdrawal is related to non-contact cooling. Changes in business activity are currently the primary driver for changes in our water withdrawal. Over the next five years, we do not anticipate substantial changes in water withdrawals as increases in efficiency resulting from our approach to water may be offset by changes in business activity. Thresholds: /- 5% about the same; between /- 5-15% higher / lower; /- 15% much higher / lower.

Brackish surface water/Seawater

(9.2.7.1) Relevance

Select from:

☑ Not relevant

(9.2.7.5) Please explain

Our business does not utilize brackish surface water or seawater for its operations.

Groundwater – renewable

(9.2.7.1) Relevance

Select from:

☑ Relevant

(9.2.7.2) Volume (megaliters/year)

1100

(9.2.7.3) Comparison with previous reporting year

Select from:

☑ Lower

(9.2.7.4) Primary reason for comparison with previous reporting year

Select from:

☑ Increase/decrease in business activity

(9.2.7.5) Please explain

The volume reported in column 2 includes groundwater withdrawal. Changes in business activity are currently the primary driver for changes in our water withdrawal. Over the next five years, we do not anticipate substantial changes in water withdrawals as increases in efficiency resulting from our approach to water may be offset by changes in business activity. Thresholds: /- 5% about the same; between /- 5-15% higher / lower; /- 15% much higher / lower.

Groundwater – non-renewable

(9.2.7.1) Relevance

Select from:

☑ Not relevant

(9.2.7.5) Please explain

Our business does not utilize non-renewable groundwater.

Produced/Entrained water

(9.2.7.1) Relevance

Select from:

☑ Not relevant

(9.2.7.5) Please explain

Our business does not utilize produced/entrained water.

Third party sources

(9.2.7.1) Relevance

Select from:

☑ Relevant

(9.2.7.2) Volume (megaliters/year)

6300

(9.2.7.3) Comparison with previous reporting year

Select from:

☑ About the same

(9.2.7.4) Primary reason for comparison with previous reporting year

Select from:

☑ Increase/decrease in business activity

(9.2.7.5) Please explain

The volume reported in column 2 includes municipal water withdrawal. Changes in business activity are currently the primary driver for changes in our water withdrawal. Over the next five years, we do not anticipate substantial changes in water withdrawals as increases in efficiency resulting from our approach to water may be offset by changes in business activity. Thresholds: /- 5% about the same; between /- 5-15% higher / lower; /- 15% much higher / lower.

(9.2.8) Provide total water discharge data by destination.

Fresh surface water

(9.2.8.1) Relevance

Select from:

☑ Relevant

(9.2.8.2) Volume (megaliters/year)

12200

(9.2.8.3) Comparison with previous reporting year

Select from:

☑ Lower

(9.2.8.4) Primary reason for comparison with previous reporting year

Select from:

☑ Increase/decrease in business activity

(9.2.8.5) Please explain

The volume reported in column 2 includes fresh surface water discharge, which is mostly related to non-contact cooling. Changes in business activity are currently the primary driver for changes in our water discharges. Over the next five years, we do not anticipate substantial changes in water discharges as increases in efficiency resulting from our approach to water may be offset by changes in business activity. Thresholds: /- 5% about the same; between /- 5-15% higher / lower; /- 15% much higher / lower.

Brackish surface water/seawater

(9.2.8.1) Relevance

Select from:

☑ Not relevant

(9.2.8.5) Please explain

Our business does not utilize brackish surface water or seawater for its operations.

Groundwater

(9.2.8.1) Relevance

Select from:

☑ Relevant

(9.2.8.2) Volume (megaliters/year)

60

(9.2.8.3) Comparison with previous reporting year

Select from:

☑ About the same

(9.2.8.4) Primary reason for comparison with previous reporting year

Select from:

☑ Increase/decrease in business activity

(9.2.8.5) Please explain

The volume reported in column 2 includes groundwater injection. Changes in business activity are currently the primary driver for changes in our water discharges. Over the next five years, we do not anticipate substantial changes in water discharges as increases in efficiency resulting from our approach to water may be offset by changes in business activity. Thresholds: /- 5% about the same; between /- 5-15% higher / lower; /- 15% much higher / lower.

Third-party destinations

(9.2.8.1) Relevance

Select from:

☑ Relevant

(9.2.8.2) Volume (megaliters/year)

4600

(9.2.8.3) Comparison with previous reporting year

Select from:

☑ Higher

(9.2.8.4) Primary reason for comparison with previous reporting year

Select from:

☑ Increase/decrease in business activity

(9.2.8.5) Please explain

The volume reported in column 2 includes municipal discharge. Changes in business activity are currently the primary driver for changes in our water discharges. Over the next five years, we do not anticipate substantial changes in water discharges as increases in efficiency resulting from our approach to water may be offset by changes in business activity. Thresholds: /- 5% about the same; between /- 5-15% higher / lower; /- 15% much higher / lower.

(9.3) In your direct operations and upstream value chain, what is the number of facilities where you have identified substantive water-related dependencies, impacts, risks, and opportunities?

Direct operations

(9.3.1) Identification of facilities in the value chain stage

Select from:

☑ No, we have assessed this value chain stage but did not identify any facilities with water-related dependencies, impacts, risks, and opportunities

(9.3.4) Please explain

Thermo Fisher's evaluation of substantive water-related dependencies, impacts, risks, and opportunities is still in progress. Our annual insurance review to identify and assess flooding and water damage risks, however, none were identified as having a substantive financial or strategic impact. Through the WWF water risk assessment, we identified several sites located in water-scarce regions. Subsequent discussions and onsite water assessments did not identify near-term substantial financial or strategic impact.

Upstream value chain

(9.3.1) Identification of facilities in the value chain stage

Select from:

☑ No, we have assessed this value chain stage but did not identify any facilities with water-related dependencies, impacts, risks, and opportunities

(9.3.4) Please explain

Thermo Fisher engages with our supply chain partners on water risk via the EcoVadis platform. In 2023, suppliers that make up 50% of direct materials spend underwent an EcoVadis' environmental module assessment. This assessment includes questions on policy, actions and results related to water and measures. The EcoVadis responses serve as a screen to identify potential risks that might warrant additional review and evaluation.

(9.5) Provide a figure for your organization's total water withdrawal efficiency.

(9.5.1) Revenue (currency)

42860000000

(9.5.2) Total water withdrawal efficiency

2255789.47

(9.5.3) Anticipated forward trend

We continue to accelerate the uncoupling of water usage and growth. Water withdrawal efficiency was improved by 6% compared to 2022 and we anticipate this trend to continue.

(9.13) Do any of your products contain substances classified as hazardous by a regulatory authority?

	Products contain hazardous substances
	Select from: ☑ Yes

(9.14) Do you classify any of your current products and/or services as low water impact?

(9.14.1) Products and/or services classified as low water impact

Select from:

☑ No, but we plan to address this within the next two years

(9.14.3) Primary reason for not classifying any of your current products and/or services as low water impact

Select from:

☑ Other, please specify **:**Design for Sustainability systems in development to enable robust environmental claims.

(9.14.4) Please explain

One component of our climate strategy is to increase our understanding of the impact of our products and services, embed sustainable principles into the design process, and improve the transparency of the impact of our goods and services to our customers. This includes impacts to climate and water.

(9.15.1) Indicate whether you have targets relating to water pollution, water withdrawals, WASH, or other water-related categories.

Water pollution

(9.15.1.1) Target set in this category

Select from:

☑ No, and we do not plan to within the next two years

(9.15.1.2) Please explain

Water pollution is not considered in our current targets, and we do not expect it to be within the next two years. We anticipate our climate program to continue to develop over the coming years to incorporate other water-related issues. We are working to eliminate the risk of adverse environmental impacts from wastewater discharge with a specific focus on operations that manage active pharmaceutical ingredients (APIs). As mandated by regulatory requirements or determined by risk assessments, we require the collection and proper disposal of the first cleaning rinse of equipment used in the manufacturing or handling of APIs to mitigate the release of known toxins and potent pharmaceuticals into the environment.

Water withdrawals

(9.15.1.1) Target set in this category

Select from:

☑ Yes

Water, Sanitation, and Hygiene (WASH) services

(9.15.1.1) Target set in this category

Select from:

☑ No, and we do not plan to within the next two years

(9.15.1.2) Please explain

WASH is not considered in our current targets, and we do not expect it to be within the next two years. We anticipate our climate program to continue to develop over the coming years to incorporate other water-related issues. In accordance with our Environmental, Health and Safety Policy, all sites must comply with all applicable environmental, health and safety laws, regulations and other related standards we may adopt and endorse; implement sound environmental, health and safety management practices throughout our global organization, operations and activities; and operate in a manner that ensures a safe work environment.

(9.15.2) Provide details of your water-related targets and the progress made.

Row 1

(9.15.2.1) Target reference number

Select from:

☑ Target 1

(9.15.2.2) Target coverage

Select from:

☑ Organization-wide (direct operations only)

(9.15.2.3) Category of target & Quantitative metric

Water withdrawals

☑ Other water withdrawals, please specify **:**% of facilities assessed

(9.15.2.4) Date target was set

06/05/2023

(9.15.2.5) End date of base year

12/31/2022

(9.15.2.6) Base year figure

0

(9.15.2.7) End date of target year

12/31/2024

(9.15.2.8) Target year figure

100

(9.15.2.9) Reporting year figure

50

(9.15.2.10) Target status in reporting year

Select from:

☑ Underway

(9.15.2.11) % of target achieved relative to base year

50

(9.15.2.12) Global environmental treaties/initiatives/ frameworks aligned with or supported by this target

Select all that apply

☑ Sustainable Development Goal 6

(9.15.2.13) Explain target coverage and identify any exclusions

This target applies to manufacturing facilities, limiting the target coverage to business activity.

(9.15.2.14) Plan for achieving target, and progress made to the end of the reporting year

In 2023, two of the four facilities were assessed for water usage and reduction opportunities; the remaining two are on track for completion in 2024.

(9.15.2.16) Further details of target

In 2023, we set our first water target to assess water usage for current water-intensive manufacturing facilities in water-scarce areas, by 2024. Water intensity means a facility using over 25,000 cubic meters of water per year.

C13. Further information & sign off

(13.1) Indicate if any environmental information included in your CDP response (not already reported in 7.9.1/2/3, 8.9.1/2/3/4, and 9.3.2) is verified and/or assured by a third party?

	Other environmental information included in your CDP response is verified and/or assured by a third party
	Select from: ☑ Yes

(13.1.1) Which data points within your CDP response are verified and/or assured by a third party, and which standards were used?

Row 1

(13.1.1.1) Environmental issue for which data has been verified and/or assured

Select all that apply

☑ Climate change

(13.1.1.2) Disclosure module and data verified and/or assured

Environmental performance – Climate change

☑ Electricity/Steam/Heat/Cooling consumption

☑ Electricity/Steam/Heat/Cooling generation

☑ Energy attribute certificates (EACs)

☑ Fuel consumption

(13.1.1.3) Verification/assurance standard

General standards

☑ ISAE 3000

(13.1.1.4) Further details of the third-party verification/assurance process

All pages of the attached INDEPENDENT LIMITED ASSURANCE STATEMENT from Bureau Veritas

(13.1.1.5) Attach verification/assurance evidence/report (optional)

https://corporate.thermofisher.com/content/dam/tfcorpsite/documents/corporate-social-responsibility/csr-policies/Thermo%20Fisher%20Final%20Assurance%20statement%202023.pdf

(13.3) Provide the following information for the person that has signed off (approved) your CDP response.

(13.3.1) Job title

Senior Vice President Global Business Services

(13.3.2) Corresponding job category

Select from:

☑ Other C-Suite Officer