

C0. Introduction

C0.1

(C0.1) Give a general description and introduction to your organization.

Lumentum is a market-leading manufacturer of innovative optical and photonic products enabling optical networking and commercial laser customers worldwide. Lumentum's optical components and subsystems are part of virtually every type of telecom, enterprise, and data center network. Lumentum's commercial lasers enable advanced manufacturing techniques and diverse applications including next-generation 3D sensing capabilities. Lumentum is headquartered in San Jose, California with R&D, manufacturing, and sales offices worldwide.

C0.2

(C0.2) State the start and end date of the year for which you are reporting data.

	Start date	End date	Indicate if you are providing emissions data for past reporting years	Select the number of past reporting years you will be providing emissions data for
Reporting year	July 1 2019	June 30 2020	No	<Not Applicable>

C0.3

(C0.3) Select the countries/areas for which you will be supplying data.

Canada
 China
 France
 Italy
 Japan
 Republic of Korea
 Slovenia
 Switzerland
 Taiwan, Greater China
 Thailand
 United Kingdom of Great Britain and Northern Ireland
 United States of America

C0.4

(C0.4) Select the currency used for all financial information disclosed throughout your response.

USD

C0.5

(C0.5) Select the option that describes the reporting boundary for which climate-related impacts on your business are being reported. Note that this option should align with your chosen approach for consolidating your GHG inventory.

Operational control

C1. Governance

C1.1

(C1.1) Is there board-level oversight of climate-related issues within your organization?

Yes

C1.1a

(C1.1a) Identify the position(s) (do not include any names) of the individual(s) on the board with responsibility for climate-related issues.

Position of individual(s)	Please explain
Board-level committee	The Governance Committee is responsible for oversight consistent of the policies and programs supporting our CSR strategy. This includes energy and emissions strategy and target setting. For example, in FY20 our board requested climate-related goals and accepted our recommendations to implement short-term goals for the procurement of renewable electricity and reduced emissions in certain business activities. In FY21, the board recommended to implement a net-zero target by 2030 for our business operations.
Director on board	Lumentum's Board nominated a Board Member as a CSR Liaison who participates in regular meetings of the CSR Council. The CSR Council develops corporate social responsibility strategy and drives performance within Lumentum, including our energy and emissions strategy and targets. The CSR Council activities are reported to the board on a quarterly basis.

C1.1b**(C1.1b) Provide further details on the board's oversight of climate-related issues.**

Frequency with which climate-related issues are a scheduled agenda item	Governance mechanisms into which climate-related issues are integrated	Scope of board-level oversight	Please explain
Scheduled – all meetings	Reviewing and guiding strategy	<Not Applicable>	The Board of Directors nominates a CSR Liaison who works closely with the CSR Council to guide efforts and provide a continuous feedback loop between recommendations of the Board of Directors and implementation by the CSR Council. The CSR Council activities and ESG progress are reviewed quarterly during regular board sessions.

C1.2**(C1.2) Provide the highest management-level position(s) or committee(s) with responsibility for climate-related issues.**

Name of the position(s) and/or committee(s)	Reporting line	Responsibility	Coverage of responsibility	Frequency of reporting to the board on climate-related issues
Corporate responsibility committee	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	Quarterly
Other C-Suite Officer, please specify (SVP Global Operations and Chief Quality Officer)	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	Quarterly

C1.2a**(C1.2a) Describe where in the organizational structure this/these position(s) and/or committees lie, what their associated responsibilities are, and how climate-related issues are monitored (do not include the names of individuals).**

Led by the CSR Council Chair and the Executive Sponsor (our Chief Quality Officer), our cross-functional CSR Council is composed of representatives from all our business departments, including Human Resources; Environment, Health, and Safety (EHS); Supply Chain; Legal; and Quality, as well as leaders from each business unit. Each member serves as a representative of their respective department and is responsible for determining the relevance of emerging topics, developing associated action plans, and disseminating information related to CSR at Lumentum to their team.

CSR Council activities are reported to the CEO and Board of Directors on a quarterly basis. The Governance Committee is responsible for oversight consistent of the policies and programs supporting our CSR strategy. The Board of Directors also nominates a CSR Liaison who works closely with the CSR Council to guide efforts and provide a continuous feedback loop between recommendations of the Board of Directors and implementation by the CSR Council.

C1.3**(C1.3) Do you provide incentives for the management of climate-related issues, including the attainment of targets?**

	Provide incentives for the management of climate-related issues	Comment
Row 1	Yes	Specific employees are evaluated based upon climate-related performance.

C1.3a**(C1.3a) Provide further details on the incentives provided for the management of climate-related issues (do not include the names of individuals).**

Entitled to incentive	Type of incentive	Activity incentivized	Comment
Facilities manager	Monetary reward	Energy reduction target	Our Real Estate and Workplace Services team, and its leadership, are responsible for the attainment of our goal to reduce energy consumption from all global R&D facilities by 5% by 2023. This includes annual interim goals set forth through our strategic planning process. Performance against these targets is evaluated as part of the team's performance review.

C2. Risks and opportunities

C2.1

(C2.1) Does your organization have a process for identifying, assessing, and responding to climate-related risks and opportunities?

Yes

C2.1a

(C2.1a) How does your organization define short-, medium- and long-term time horizons?

	From (years)	To (years)	Comment
Short-term	0	5	
Medium-term	5	10	
Long-term	10	20	

C2.1b

(C2.1b) How does your organization define substantive financial or strategic impact on your business?

Lumentum defines a substantive financial or strategic impact as one that makes it significantly onerous or impossible to conduct our regular business activities such as increased costs or time requirements to procure, manufacture and ship products. A quantifiable indicator for a material impact is one that affects revenue, expenses, or profit by more than \$20M or affects 5% of revenue or profit within a business unit.

C2.2

(C2.2) Describe your process(es) for identifying, assessing and responding to climate-related risks and opportunities.

Value chain stage(s) covered

Direct operations
Upstream

Risk management process

Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment

Annually

Time horizon(s) covered

Short-term
Medium-term

Description of process

Lumentum leverages several tools to evaluate the climate-related risks and opportunities of its value chain. Our annual enterprise risk management assessment includes climate related risks in our risk inventory, such as physical risks associated with natural disasters. In addition, we hold quarterly business reviews with key suppliers and in that review assess supplier responsiveness to certain climate-related information such as GHG emissions and corporate climate-related goals. As part of our Kaizen culture, annual strategic planning includes outlining paths and performance measures to progress towards our climate goals. Teams are responsible to develop and monitor annual action plans against facility-level and corporate-level climate-related objectives. More tactically, over 50% of our manufacturing facilities and 100% of our contract manufacturers are ISO 14001 certified. As part of the certification, we must maintain and perform environmental risk assessments which include climate-related risks, such as the emission of greenhouse gasses. In addition, as a member of the Responsible Business Alliance (RBA), suppliers are audited against RBA's validated audit process. We require our top direct suppliers to complete assessments that evaluate facility risks on labor, environment, health and safety, and ethics. In addition, all contract manufacturers undergo third-party audits covering the full RBA Code of Conduct every two years to evaluate their conformance. 100% of our manufacturing sites complete an annual RBA Self-Assessment Questionnaire (SAQ). The SAQ risk assessment includes evaluation of the environmental performance and management systems of the site and provides a risk rating related to CSR risks and compliance with the RBA Code of Conduct. The RBA Code of Conduct includes the requirement for participants to establish a corporate-wide greenhouse gas reduction goal. Finally, Supply Risk Solutions (SRS) is a third-party cloud-based software that helps us to monitor and assess physical risks and supply chain disruptions. Predictive technology enables us to identify the likelihood of future events through machine learning, global trends, and statistical associations. As part of our business continuity planning, we review potential risks which include those due to extreme weather events that could impact our ability to execute our core business. Those top risks have mitigation plans that are triggered based on these events.

C2.2a

(C2.2a) Which risk types are considered in your organization's climate-related risk assessments?

	Relevance & inclusion	Please explain
Current regulation	Relevant, always included	Some of Lumentum's manufacturing processes involve systems or chemicals that are subject to emissions-related regulation. We strive to remain in compliance with all applicable regulations.
Emerging regulation	Relevant, always included	Emerging emissions or climate-related regulation is a potential risk. As noted above, some of Lumentum's manufacturing processes involve systems or chemicals that are subject to emissions-related regulation. New regulations or changes to existing regulations may necessitate modifications to our manufacturing processes.
Technology	Relevant, always included	Lumentum continuously looks for methods to reduce our carbon impact. Given our current structure, the most likely means of doing so will require new technology. With regard to our own products, we strive to reduce their energy consumption.
Legal	Not relevant, explanation provided	Lumentum does not anticipate involvement in any climate-related litigation claims.
Market	Relevant, always included	Lumentum recognizes the importance of energy efficiency in the progress towards a lower carbon economy. Therefore, our design teams continually consider energy efficiency as a key metric during design or re-design of our products.
Reputation	Relevant, always included	Lumentum recognizes that the perceptions of our clients regarding our commitment to the reduction of climate change can significantly affect our success. Therefore we attempt to respond to and address any and all requests from our customers and key stakeholders.
Acute physical	Relevant, always included	Lumentum's global operations and supply chain exposes it to risks related to extreme weather events. Disruptions in our value chain due to extreme weather may make it difficult or impossible to procure materials, manufacture goods, or distribute finished products. The logistics of getting products from point A to point B and the requirements to manufacture products (facilities, energy and people) could be impacted by extreme weather.
Chronic physical	Relevant, sometimes included	We are aware that longer term shifts in climate patterns, such as chronic heat waves, could affect our operations to some degree. However, as our operations are conducted entirely indoors, we consider many of these risks to be minimal, or manageable. We continue to evaluate our operations for susceptibility to other potential chronic risks.

C2.3

(C2.3) Have you identified any inherent climate-related risks with the potential to have a substantive financial or strategic impact on your business?

Yes

C2.3a

(C2.3a) Provide details of risks identified with the potential to have a substantive financial or strategic impact on your business.

Identifier

Risk 1

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Emerging regulation	Carbon pricing mechanisms
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Primary potential financial impact

Increased indirect (operating) costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

Our manufacturing processes entail the use of proprietary chemicals which are subject to emissions controls and reporting. While we are currently in Our R&D and manufacturing operations require large amounts of electricity to develop and manufacture our products. We expect to continue to expand our manufacturing capabilities with a significant presence in Thailand where the cost of electricity is relatively low. As we expand our footprint within our existing facility, we will require increased electricity use. In addition, other operations in California and Slovenia are in markets where carbon pricing mechanisms are more likely to be introduced.

Time horizon

Medium-term

Likelihood

About as likely as not

Magnitude of impact

Medium-high

Are you able to provide a potential financial impact figure?

Yes, an estimated range

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

15000000

Potential financial impact figure – maximum (currency)

50000000

Explanation of financial impact figure

Figures were estimated based on a \$50/MT price on carbon on our FY20 emissions up to a \$100/MT price on carbon, were our emissions to increase to 100,000 MT/year. This figure is covers a 5-year period, assuming a carbon price in 2025 and our work towards our net zero target by 2030.

Cost of response to risk

12500000

Description of response and explanation of cost calculation

We are investigating opportunities to source or generate renewable energy across our operating footprint. For example, we've assessed putting a solar array atop our Thailand factory, which would help to mitigate our exposure to increased electricity prices. In addition, we've engaged local utility providers to understand opportunities to procure renewable energy, even for a higher cost. We've tasked our facility managers to pursue energy efficiency opportunities across our operations, however, this cost is built into existing budgets. This figure assumes one-time setup costs for these different initiatives resulting in a 1% increase in SG&A costs per year over a 5-year period.

Comment**Identifier**

Risk 2

Where in the value chain does the risk driver occur?

Upstream

Risk type & Primary climate-related risk driver

Acute physical	Increased severity and frequency of extreme weather events such as cyclones and floods
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Primary potential financial impact

Increased indirect (operating) costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

We operate a complex global supply chain and rely on on-time logistics to manufacture and deliver our products. In some cases, we are exposed to single suppliers for critical inputs that operate in Southeast Asia, an area prone to extreme weather events. An increase in either the severity or frequency of events could lead to our supply partners to shutdown, temporarily or permanently, resulting in a critical supply risk for key components to develop our products.

Time horizon

Short-term

Likelihood

About as likely as not

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

Yes, an estimated range

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

10000000

Potential financial impact figure – maximum (currency)

20000000

Explanation of financial impact figure

Should a critical supply partner be unable to provide inputs on time, or shut down operations, this could lead to lost revenue opportunities. Figures are estimated based upon a one-time 0.5% - 1% loss of revenue.

Cost of response to risk

100000000

Description of response and explanation of cost calculation

We have identified sole source risks and are investigating dual sourcing all critical components. In addition, we are assessing our capability to develop and manufacture critical components for which we cannot identify a suitable supplier. The R&D costs to develop this capability, capital expenditures to set up production lines and operating costs to produce these components could pose a significant cost to the business. Costs are estimated on a 5% increase to our R&D budget and a 5% increase to our SG&A budget over a 5-year period.

Comment**Identifier**

Risk 3

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Emerging regulation	Mandates on and regulation of existing products and services
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Primary potential financial impact

Increased indirect (operating) costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

While we continue to develop and offer components that offer added energy efficiency opportunities to our customers, our products consume significant amounts of energy when in operation. For example, our commercial lasers, which enable precision machining, use multi KW electrical energy. Should our customers, who integrate our components into their products, be exposed to regulations on the efficiency of their products, or carbon intensity of their purchased goods, we will need to ensure our development teams are prepared to stay ahead of the pace of regulation and develop more efficient or low-carbon products.

Time horizon

Short-term

Likelihood

More likely than not

Magnitude of impact

Medium-high

Are you able to provide a potential financial impact figure?

Yes, an estimated range

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

100000000

Potential financial impact figure – maximum (currency)

500000000

Explanation of financial impact figure

Should we not be able to offer our customer a product that meets their energy efficiency requirements or lose business to a competitor that can offer higher efficiency products, this could lead to lost revenue opportunities. Figures are estimated based upon a 1% - 5% loss of revenue over a 5-year period.

Cost of response to risk

100000000

Description of response and explanation of cost calculation

Our R&D teams continue to pursue energy efficiency as a key design element when introducing new concepts. However, it may require increased capacity in our R&D and development units to continue to offer products that keep pace with emerging regulation and offer solutions to meet the demands for tomorrow's products. If we were to increase our R&D budget 10% for each of the next 5 years this would result in a cumulative cost of approximately \$100,000,000 during that period.

Comment

C2.4

(C2.4) Have you identified any climate-related opportunities with the potential to have a substantive financial or strategic impact on your business?

Yes

C2.4a

(C2.4a) Provide details of opportunities identified with the potential to have a substantive financial or strategic impact on your business.

Identifier

Opp1

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Products and services

Primary climate-related opportunity driver

Development and/or expansion of low emission goods and services

Primary potential financial impact

Increased revenues resulting from increased demand for products and services

Company-specific description

Lumentum's advances in its products and technologies are helping to increase power efficiency. If the demand for these products increases, we have opportunities to increase our market share of existing products. For example, a comparative analysis was performed on our high-speed coherent optical data transmission modules, which are used in internet backbone applications, on a basis of Watts per Gigabit (W/Gb), from 100 Gigabits per second to 400 Gigabits per second, and from the Generation 1 (Gen1) to Generation 2 (Gen2) modules. We achieved a power efficiency improvement from Gen1 to Gen2 of 64% (W/Gb). Similarly, with the launch of our 100G B5 PAM4 externally modulated laser (EML), the laser power consumption per 100Gbps (Gigabits per second) was reduced by 53% over the preceding 50G B4 PAM4 EML and reduced by 80% from the original 25G B2 EML product, reducing the energy requirements of cloud data centers.

Time horizon

Medium-term

Likelihood

Likely

Magnitude of impact

Medium-high

Are you able to provide a potential financial impact figure?

Yes, an estimated range

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

100000000

Potential financial impact figure – maximum (currency)

500000000

Explanation of financial impact figure

Figures are estimated based on an increase in demand for our products resulting in an increase our revenue of 1% - 5% over a 5-year period.

Cost to realize opportunity

100000000

Strategy to realize opportunity and explanation of cost calculation

We plan to work with facility managers in reviewing individual operations to determine the most effective measures for implementation at individual locations.

Comment

Our R&D teams are essential to driving energy efficiency in our products and efficiency is a key design element when introducing new concepts. Increased capacity in our R&D and development units will help to continue to offer products that offer solutions to meet the demands for tomorrow's products and investigate ways to integrate our technologies into new markets. If we were to increase our R&D budget 10% for each of the next 5 years this would result in a cumulative cost of approximately \$100,000,000 during that period.

Identifier

Opp2

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Energy source

Primary climate-related opportunity driver

Use of lower-emission sources of energy

Primary potential financial impact

Reduced indirect (operating) costs

Company-specific description

Lumentum has committed to net zero emissions from direct operations by 2030. As we pursue energy efficiency activities and onsite generation of renewable energy, we will be less exposed to market fluctuations in energy prices and potential carbon pricing schemes. This will improve the predictability, and, presumably, reduce the costs of our energy needs. For example, at our Thailand factory, we are assessing the opportunity to install a solar array reducing our reliance on the grid for electricity. We've also introduced Kaizen initiatives through our Kaizen Promotion Office to pursue energy efficiency activities. This has led to more efficient use of materials leading to a reduced demand for energy.

Time horizon

Medium-term

Likelihood

About as likely as not

Magnitude of impact

Medium-low

Are you able to provide a potential financial impact figure?

Yes, an estimated range

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

3125000

Potential financial impact figure – maximum (currency)

15625000

Explanation of financial impact figure

Figures are estimated assuming energy constitutes 1% - 5% of our SG&A expenses. A 25% decrease in energy expenses over a 5-year period would result in this potential impact range.

Cost to realize opportunity

12500000

Strategy to realize opportunity and explanation of cost calculation

Our facility managers and Kaizen Promotion Office are mandated to support this effort requiring minimal added costs. However, the procurement and installation of energy efficient equipment, implementation of updated processes that consume less energy, and installation of onsite generation are added costs. This figure assumes one-time setup costs for these different initiatives resulting in a 1% increase in SG&A costs per year over a 5-year period.

Comment

Identifier

Opp3

Where in the value chain does the opportunity occur?

Downstream

Opportunity type

Products and services

Primary climate-related opportunity driver

Development of new products or services through R&D and innovation

Primary potential financial impact

Increased revenues resulting from increased demand for products and services

Company-specific description

Lumentum aims to foster a culture of innovation across the organization – where all are encouraged to find and support new and creative ways to solve problems. Our legacy of innovation is evident in our product leadership positions and extensive intellectual property portfolio. We own nearly 1,000 US patents and 800 foreign patents and have nearly 600 patent applications pending throughout the world. Our patent portfolio is constantly evolving, with strengths in optical switching, 3D sensing, ultrafast lasers, and source lasers. If we can translate our energy efficiency technologies and intellectual property into new products that address needs in new markets, we have significant opportunity for new revenue streams.

Time horizon

Long-term

Likelihood

Unlikely

Magnitude of impact

Medium-high

Are you able to provide a potential financial impact figure?

Yes, an estimated range

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

250000000

Potential financial impact figure – maximum (currency)

500000000

Explanation of financial impact figure

Figures are estimated assuming a 2.5% - 5% increase in annual revenue due to breakthroughs in new markets over a 5-year period.

Cost to realize opportunity

400000000

Strategy to realize opportunity and explanation of cost calculation

The R&D costs to develop new capabilities, capital expenditures to set up production lines, operating costs to produce these components, and the creation and staffing of a new business unit with the organization could pose a significant cost to the business. Costs are estimated on a 10% increase to our R&D budget and a 25% increase to our SG&A budget over a 5-year period.

Comment**C3. Business Strategy****C3.1****(C3.1) Have climate-related risks and opportunities influenced your organization's strategy and/or financial planning?**

Yes

C3.1b**(C3.1b) Does your organization intend to publish a low-carbon transition plan in the next two years?**

	Intention to publish a low-carbon transition plan	Intention to include the transition plan as a scheduled resolution item at Annual General Meetings (AGMs)	Comment
Row 1	Yes, in the next two years	No, we do not intend to include it as a scheduled AGM resolution item	

C3.2**(C3.2) Does your organization use climate-related scenario analysis to inform its strategy?**

No, but we anticipate using qualitative and/or quantitative analysis in the next two years

C3.2b

(C3.2b) Why does your organization not use climate-related scenario analysis to inform its strategy?

In FY20, we established our CSR Council and sustainability program. In FY2021, we will publish our first CSR report. As our program continues to grow, we will dedicate the resources to integrating climate-related scenario analysis into our business strategy, such as product energy efficiency requirements and supply chain risk mapping and optimization.

C3.3

(C3.3) Describe where and how climate-related risks and opportunities have influenced your strategy.

	Have climate-related risks and opportunities influenced your strategy in this area?	Description of influence
Products and services	Evaluation in progress	We are working on wall plug efficiency and power consumption reduction for end users in data centers.
Supply chain and/or value chain	Yes	We evaluated our top 80% of spend by commodity to determine where risk exists. We have moved to find alternate sources where certain commodities and current supply base only existed in one geographic location that could be exposed to potential climate-related extreme weather events.
Investment in R&D	Evaluation in progress	We are investigating ways to integrate Design for Environment goals into our product development process.
Operations	Evaluation in progress	We have started an activity with intent to complete in FY22 to evaluate our internal manufacturing operations for opportunities to reduce risk.

C3.4

(C3.4) Describe where and how climate-related risks and opportunities have influenced your financial planning.

	Financial planning elements that have been influenced	Description of influence
Row 1	Direct costs	Our manufacturing processes entail the use of proprietary chemicals which are subject to emissions controls and reporting. We allocated appropriate budget to ensure our operations remain in compliance with all regulations. Any changes in reporting requirements or allowable emissions could result in significant additional costs.

C3.4a

(C3.4a) Provide any additional information on how climate-related risks and opportunities have influenced your strategy and financial planning (optional).

C4. Targets and performance

C4.1

(C4.1) Did you have an emissions target that was active in the reporting year?

Absolute target

C4.1a

(C4.1a) Provide details of your absolute emissions target(s) and progress made against those targets.

Target reference number

Abs 1

Year target was set

2019

Target coverage

Please select

Scope(s) (or Scope 3 category)

Scope 3: Business travel

Base year

2019

Covered emissions in base year (metric tons CO2e)

2988

Covered emissions in base year as % of total base year emissions in selected Scope(s) (or Scope 3 category)

100

Target year

2020

Targeted reduction from base year (%)

20

Covered emissions in target year (metric tons CO2e) [auto-calculated]

2390.4

Covered emissions in reporting year (metric tons CO2e)

1250

% of target achieved [auto-calculated]

290.829986613119

Target status in reporting year

New

Is this a science-based target?

No, and we do not anticipate setting one in the next 2 years

Target ambition

<Not Applicable>

Please explain (including target coverage)

Target to reduce emissions from business air travel by 20% annually

C4.2

(C4.2) Did you have any other climate-related targets that were active in the reporting year?

Target(s) to increase low-carbon energy consumption or production

Other climate-related target(s)

C4.2a

(C4.2a) Provide details of your target(s) to increase low-carbon energy consumption or production.

Target reference number

Low 1

Year target was set

2019

Target coverage

Site/facility

Target type: absolute or intensity

Absolute

Target type: energy carrier

Electricity

Target type: activity

Consumption

Target type: energy source

Renewable energy source(s) only

Metric (target numerator if reporting an intensity target)

Percentage

Target denominator (intensity targets only)

<Not Applicable>

Base year

2019

Figure or percentage in base year

45

Target year

2023

Figure or percentage in target year

100

Figure or percentage in reporting year

45

% of target achieved [auto-calculated]

0

Target status in reporting year

New

Is this target part of an emissions target?

No

Is this target part of an overarching initiative?

No, it's not part of an overarching initiative

Please explain (including target coverage)

Target set to source 100% renewable electricity at our corporate headquarters campus by 2023.

C4.2b

(C4.2b) Provide details of any other climate-related targets, including methane reduction targets.

Target reference number

Oth 1

Year target was set

2019

Target coverage

Business activity

Target type: absolute or intensity

Absolute

Target type: category & Metric (target numerator if reporting an intensity target)

Energy consumption or efficiency

MWh

Target denominator (intensity targets only)

<Not Applicable>

Base year

2019

Figure or percentage in base year

14730

Target year

2023

Figure or percentage in target year

13994

Figure or percentage in reporting year

14956

% of target achieved [auto-calculated]

-30.7065217391304

Target status in reporting year

New

Is this target part of an emissions target?

No

Is this target part of an overarching initiative?

No, it's not part of an overarching initiative

Please explain (including target coverage)

Target set to reduce energy consumption at global research and development office sites by 5% by 2023. Increases in the reporting year are due to the expansion of new facilities.

C4.3

(C4.3) Did you have emissions reduction initiatives that were active within the reporting year? Note that this can include those in the planning and/or implementation phases.

Yes

C4.3a

(C4.3a) 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	7	16685
To be implemented*	3	1798
Implementation commenced*	0	0
Implemented*	0	0
Not to be implemented	0	0

C4.3b

(C4.3b) Provide details on the initiatives implemented in the reporting year in the table below.

C4.3c

(C4.3c) What methods do you use to drive investment in emissions reduction activities?

Method	Comment
Compliance with regulatory requirements/standards	Our manufacturing processes entail the use of proprietary chemicals which are subject to emissions controls and reporting. We allocated appropriate budget to ensure our operations remain in compliance with all regulations. Any changes in reporting requirements or allowable emissions could result in significant additional costs.

C4.5

(C4.5) Do you classify any of your existing goods and/or services as low-carbon products or do they enable a third party to avoid GHG emissions?

No

C5. Emissions methodology

C5.1

(C5.1) Provide your base year and base year emissions (Scopes 1 and 2).

Scope 1

Base year start

July 1 2017

Base year end

June 30 2018

Base year emissions (metric tons CO2e)

8540

Comment

Scope 2 (location-based)

Base year start

July 1 2017

Base year end

June 30 2018

Base year emissions (metric tons CO2e)

33358

Comment

Scope 2 (market-based)

Base year start

July 1 2017

Base year end

June 30 2018

Base year emissions (metric tons CO2e)

38446

Comment

C5.2

(C5.2) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.

The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)

The Greenhouse Gas Protocol: Scope 2 Guidance

C6. Emissions data

C6.1

(C6.1) What were your organization's gross global Scope 1 emissions in metric tons CO2e?

Reporting year

Gross global Scope 1 emissions (metric tons CO2e)
5750

Start date
<Not Applicable>

End date
<Not Applicable>

Comment

C6.2

(C6.2) Describe your organization's approach to reporting Scope 2 emissions.

Row 1

Scope 2, location-based
We are reporting a Scope 2, location-based figure

Scope 2, market-based
We are reporting a Scope 2, market-based figure

Comment

C6.3

(C6.3) What were your organization's gross global Scope 2 emissions in metric tons CO2e?

Reporting year

Scope 2, location-based
46651.4

Scope 2, market-based (if applicable)
45168.3

Start date
<Not Applicable>

End date
<Not Applicable>

Comment

C6.4

(C6.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1 and Scope 2 emissions that are within your selected reporting boundary which are not included in your disclosure?

No

C6.5

(C6.5) Account for your organization's gross global Scope 3 emissions, disclosing and explaining any exclusions.

Purchased goods and services

Evaluation status
Relevant, calculated

Metric tonnes CO2e
45034

Emissions calculation methodology
Emissions data was provided by Lumentum's contract manufacturers. Contract manufacturers were asked to allocate emissions associated with the manufacture of Lumentum products.

Percentage of emissions calculated using data obtained from suppliers or value chain partners
100

Please explain
All of Lumentum's contract manufacturers provided emissions allocated to the manufacture of Lumentum products.

Capital goods

Evaluation status

Relevant, not yet calculated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Please explain

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

Evaluation status

Relevant, calculated

Metric tonnes CO2e

12191

Emissions calculation methodology

Emissions are calculated according to the GHG Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard, using emissions factors from IEA 2020 (2018 data) for transmission and distribution loss, and DEFRA 2020 for WTT (fuels, electricity, and grid loss). Calculations include AR5 global warming potentials.

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

99

Please explain

Emissions calculated based on energy and fuel consumption, only a small portion of which was estimated.

Upstream transportation and distribution

Evaluation status

Relevant, not yet calculated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Please explain

Waste generated in operations

Evaluation status

Relevant, not yet calculated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Please explain

Business travel

Evaluation status

Relevant, calculated

Metric tonnes CO2e

1250

Emissions calculation methodology

Emissions from business air travel are calculated according to the GHG Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard, using emissions factors from DEFRA 2020 (non-radiative forcing), which are adjusted to include AR5 global warming potentials.

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

100

Please explain

All travel data was obtained from Lumentum's travel provider.

Employee commuting

Evaluation status

Relevant, not yet calculated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Please explain

Upstream leased assets

Evaluation status

Not relevant, explanation provided

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Please explain

All leased facility are included in Scope 1 & 2.

Downstream transportation and distribution

Evaluation status

Not relevant, explanation provided

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Please explain

All product transportation and distribution emissions would be reportable under Upstream T&D.

Processing of sold products

Evaluation status

Relevant, not yet calculated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Please explain

Use of sold products

Evaluation status

Relevant, not yet calculated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Please explain

End of life treatment of sold products

Evaluation status

Relevant, not yet calculated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Please explain

Downstream leased assets

Evaluation status

Not relevant, explanation provided

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Please explain

Lumentum does not have any downstream leased assets.

Franchises

Evaluation status

Not relevant, explanation provided

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Please explain

Lumentum does not operate franchises.

Investments

Evaluation status

Not evaluated

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Please explain

Other (upstream)

Evaluation status

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Please explain

Other (downstream)

Evaluation status

Metric tonnes CO2e

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

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

<Not Applicable>

Please explain

C6.7

(C6.7) Are carbon dioxide emissions from biogenic carbon relevant to your organization?

No

C6.10

(C6.10) 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.

Intensity figure

0.0000303339

Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)

50919

Metric denominator

unit total revenue

Metric denominator: Unit total

1678600000

Scope 2 figure used

Market-based

% change from previous year

1

Direction of change

Decreased

Reason for change

Intensity figure

0.027974471

Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)

50919

Metric denominator

square foot

Metric denominator: Unit total

1820179

Scope 2 figure used

Market-based

% change from previous year

2

Direction of change

Decreased

Reason for change

C7. Emissions breakdowns

C7.1

(C7.1) Does your organization break down its Scope 1 emissions by greenhouse gas type?

Yes

C7.1a

(C7.1a) Break down your total gross global Scope 1 emissions by greenhouse gas type and provide the source of each used greenhouse warming potential (GWP).

Greenhouse gas	Scope 1 emissions (metric tons of CO2e)	GWP Reference
CO2	4772	IPCC Fifth Assessment Report (AR5 – 100 year)
CH4	2.5	IPCC Fifth Assessment Report (AR5 – 100 year)
N2O	2.4	IPCC Fifth Assessment Report (AR5 – 100 year)
HFCs	503.8	IPCC Fifth Assessment Report (AR5 – 100 year)
PFCs	24	IPCC Fifth Assessment Report (AR5 – 100 year)
SF6	445.4	IPCC Fifth Assessment Report (AR5 – 100 year)

C7.2

(C7.2) Break down your total gross global Scope 1 emissions by country/region.

Country/Region	Scope 1 emissions (metric tons CO2e)
United States of America	4488.7
Canada	311.5
Italy	603.1
Switzerland	58.3
Slovenia	6.7
United Kingdom of Great Britain and Northern Ireland	52.3
China	42.7
Japan	90.3
Republic of Korea	0.3
Taiwan, Greater China	6.3
Thailand	90.1

C7.3

(C7.3) Indicate which gross global Scope 1 emissions breakdowns you are able to provide.
By facility

C7.3b

(C7.3b) Break down your total gross global Scope 1 emissions by business facility.

Facility	Scope 1 emissions (metric tons CO2e)	Latitude	Longitude
80 Rose Orchard, USA	2388.3	37.41431	-121.947988
Fremont, USA	3.4	37.46257	-121.92121
Italy - Vimercate (Milan)	4.3	45.60208	9.36132
Milpitas - 400 McCarthy	32.7	37.43401	-121.92109
Milpitas - 460 McCarthy	45.9	37.43391	-121.91958
Ottawa, Canada	311.5	45.29633	-75.71057
San Jose, Automation 2	160	37.39468	-121.88557
Shnz-DesignCtr. CHN	14.4	22.56005	113.95217
Tokyo F15, JPN	1.3	35.69407	139.68789
Zurich, CHE	58.3	47.40058	8.45059
Thailand - Navanakorn	90.1	14.10478	100.60187
San Jose - Automation	1544.9	37.39302	-121.88462
United Kingdom-Caswell	47.6	52.15473	-1.04839
United Kingdom-Paignton	4.7	50.4144	-3.59056
Shnz-FTZ Futian	28.4	22.54273	114.08543
Taipei City	6.3	25.0133	121.4676
Japan - Sagamihara	88.9	35.58318	139.37551
USA - CA - San Jose - Ridder 1	47	37.38363	-121.90179
USA - CA - San Jose - Ridder 2	89.6	37.38331	-121.90274
USA - CA - San Jose - Ridder 3	173.4	37.38436	-121.90308
Black House, Slovenia	6.7	45.98273	14.57052
Seongnam, Korea	0.3	37.39666	127.11005
Italy - San Donato	598.8	45.41176	9.26486
USA - CA - San Jose - Charcot 1	3.5	37.38098	-121.91816

C7.5

(C7.5) Break down your total gross global Scope 2 emissions by country/region.

Country/Region	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)	Purchased and consumed electricity, heat, steam or cooling (MWh)	Purchased and consumed low-carbon electricity, heat, steam or cooling accounted for in Scope 2 market-based approach (MWh)
United States of America	6829.9	2853.8	30201.4	
Canada	74.1	74.1	4355.9	
Italy	1402.1	2126.9	4553.4	
Switzerland	15.7	11.4	599.3	
Slovenia	204.7	294.8	807.1	
United Kingdom of Great Britain and Northern Ireland	3215.7	4898.2	14020.8	
China	9336.6	9336.6	15146.6	
Japan	5940.5	5940.5	11832.3	
Republic of Korea	23	23	42.9	
Taiwan, Greater China	173.3	173.3	310.1	
Thailand	19435.9	19435.9	40113.2	

C7.6

(C7.6) Indicate which gross global Scope 2 emissions breakdowns you are able to provide.

By facility

C7.6b

(C7.6b) Break down your total gross global Scope 2 emissions by business facility.

Facility	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
80 Rose Orchard, USA	2539.5	1061.1
Fremont, USA	1.7	0.7
Milan, ITALY	18.3	27.7
Milpitas - 400 McCarthy	156.6	65.4
Milpitas - 460 McCarthy	149.2	62.3
Ottawa, CAN	74.1	74.1
Paris, FRA - Velizy	0	0
San Jose - Automation 2	688.9	287.8
Shnz-DesignCtr. CHN	756.1	756.1
Tokyo F15, JPN	95.5	95.5
Zurich, CHE	15.3	11.1
Zurich, CHE - Storage	0.4	0.3
Navanakorn	19435.9	19435.9
San Jose-Auto, USA	2758.4	1152.6
United Kingdom - Caswell	3109.7	4736.8
Paignton, UK	106	161.4
Shnz-FTZ Futian	8580.5	8580.5
Taipei City, Taiwan	173.3	173.3
Japan - Sagamihara	5845	5845
USA - CA - San Jose - Ridder 1	249.9	104.4
USA - CA - San Jose - Ridder 2	273.1	114.1
USA - CA - San Jose - Ridder 3	7.3	3
Italy - Sarca 226	0	0
Black House, Slovenia	204.7	294.8
Seongnam, KOR	23	23
Italy - San Donato	1383.9	2099.2
USA - CA - San Jose - Charcot 1	5.3	2.2

C7.9

(C7.9) How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year?
Increased

C7.9a

(C7.9a) 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 emissions (metric tons CO2e)	Direction of change	Emissions value (percentage)	Please explain calculation
Change in renewable energy consumption		<Not Applicable>		
Other emissions reduction activities		<Not Applicable>		
Divestment		<Not Applicable>		
Acquisitions		<Not Applicable>		
Mergers		<Not Applicable>		
Change in output	2900	Increased	6	Lumentum's total Scope 1 & 2 emissions increased slightly due to increased output at the Thailand facility.
Change in methodology		<Not Applicable>		
Change in boundary		<Not Applicable>		
Change in physical operating conditions		<Not Applicable>		
Unidentified		<Not Applicable>		
Other		<Not Applicable>		

C7.9b

(C7.9b) Are your emissions performance calculations in C7.9 and C7.9a based on a location-based Scope 2 emissions figure or a market-based Scope 2 emissions figure?
Market-based

C8. Energy

C8.1

(C8.1) What percentage of your total operational spend in the reporting year was on energy?
More than 0% but less than or equal to 5%

C8.2

(C8.2) 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)	Yes
Consumption of purchased or acquired electricity	Yes
Consumption of purchased or acquired heat	No
Consumption of purchased or acquired steam	No
Consumption of purchased or acquired cooling	No
Generation of electricity, heat, steam, or cooling	No

C8.2a

(C8.2a) Report your organization's energy consumption totals (excluding feedstocks) in MWh.

	Heating value	MWh from renewable sources	MWh from non-renewable sources	Total (renewable and non-renewable) MWh
Consumption of fuel (excluding feedstock)	HHV (higher heating value)		26355.7	26355.7
Consumption of purchased or acquired electricity	<Not Applicable>	0	121983	121983
Consumption of purchased or acquired heat	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired steam	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired cooling	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of self-generated non-fuel renewable energy	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Total energy consumption	<Not Applicable>		148338.6	148338.6

C8.2b

(C8.2b) 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	Yes
Consumption of fuel for the generation of heat	Yes
Consumption of fuel for the generation of steam	No
Consumption of fuel for the generation of cooling	No
Consumption of fuel for co-generation or tri-generation	No

C8.2c

(C8.2c) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.

Fuels (excluding feedstocks)

Natural Gas

Heating value

HHV (higher heating value)

Total fuel MWh consumed by the organization

27742.2

MWh fuel consumed for self-generation of electricity

MWh fuel consumed for self-generation of heat

MWh fuel consumed for self-generation of steam

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration

<Not Applicable>

Emission factor

53.1145

Unit

kg CO2e per million Btu

Emissions factor source

US EPA

Comment

Fuels (excluding feedstocks)

Diesel

Heating value

HHV (higher heating value)

Total fuel MWh consumed by the organization

12.1

MWh fuel consumed for self-generation of electricity

MWh fuel consumed for self-generation of heat

MWh fuel consumed for self-generation of steam

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self-cogeneration or self-trigeneration

<Not Applicable>

Emission factor

10.24268

Unit

kg CO2e per gallon

Emissions factor source

US EPA

Comment

C8.2e

(C8.2e) Provide details on the electricity, heat, steam, and/or cooling amounts that were accounted for at a zero emission factor in the market-based Scope 2 figure reported in C6.3.

C9. Additional metrics

C9.1

(C9.1) Provide any additional climate-related metrics relevant to your business.

Description	Energy usage
Metric value	148339
Metric numerator	Total energy consumption in MWh
Metric denominator (intensity metric only)	
% change from previous year	3
Direction of change	Increased
Please explain	Increased production in Thailand and energy consumption at recently acquired facilities.

C10. Verification

C10.1

(C10.1) Indicate the verification/assurance status that applies to your reported emissions.

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

C10.1a

(C10.1a) Provide further details of the verification/assurance undertaken for your Scope 1 emissions, and attach the relevant statements.

Verification or assurance cycle in place	Annual process
Status in the current reporting year	Complete
Type of verification or assurance	Limited assurance
Attach the statement	Lumentum_2020 GHG_ERM CVS Assurance Statement_FINALv2.pdf
Page/ section reference	1
Relevant standard	ISO14064-3
Proportion of reported emissions verified (%)	100

C10.1b

(C10.1b) Provide further details of the verification/assurance undertaken for your Scope 2 emissions and attach the relevant statements.

Scope 2 approach

Scope 2 location-based

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

Lumentum_2020 GHG_ERM CVS Assurance Statement_FINALv2.pdf

Page/ section reference

1

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

Scope 2 approach

Scope 2 market-based

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

Lumentum_2020 GHG_ERM CVS Assurance Statement_FINALv2.pdf

Page/ section reference

1

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

C10.1c

(C10.1c) Provide further details of the verification/assurance undertaken for your Scope 3 emissions and attach the relevant statements.

Scope 3 category

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

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

Lumentum_2020 GHG_ERM CVS Assurance Statement_FINALv2.pdf

Page/section reference

1

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

Scope 3 category

Scope 3: Business travel

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

Lumentum_2020 GHG_ERM CVS Assurance Statement_FINALv2.pdf

Page/section reference

1

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

Scope 3 category

Scope 3: Purchased goods and services

Verification or assurance cycle in place

Annual process

Status in the current reporting year

No verification or assurance of current reporting year

Type of verification or assurance

Not applicable

Attach the statement

Page/section reference

Relevant standard

Please select

Proportion of reported emissions verified (%)

C10.2

(C10.2) Do you verify any climate-related information reported in your CDP disclosure other than the emissions figures reported in C6.1, C6.3, and C6.5?

No, we do not verify any other climate-related information reported in our CDP disclosure

C11. Carbon pricing

C11.1

(C11.1) Are any of your operations or activities regulated by a carbon pricing system (i.e. ETS, Cap & Trade or Carbon Tax)?

No, and we do not anticipate being regulated in the next three years

C11.2

(C11.2) Has your organization originated or purchased any project-based carbon credits within the reporting period?

No

C11.3

(C11.3) Does your organization use an internal price on carbon?

No, and we do not currently anticipate doing so in the next two years

C12. Engagement

C12.1

(C12.1) Do you engage with your value chain on climate-related issues?

Yes, our suppliers

C12.1a

(C12.1a) Provide details of your climate-related supplier engagement strategy.

Type of engagement

Information collection (understanding supplier behavior)

Details of engagement

Collect climate change and carbon information at least annually from suppliers

% of suppliers by number

0.3

% total procurement spend (direct and indirect)

40

% of supplier-related Scope 3 emissions as reported in C6.5

100

Rationale for the coverage of your engagement

This engagement covers all our contract manufacturers which constitute the majority of our scope 3 footprint and contribute significantly to our overall footprint.

Impact of engagement, including measures of success

We have improved the data collection process and data quality. We've also increased the usefulness of the data, leveraging this information in our quarterly business reviews with contract manufacturers.

Comment

C12.3

(C12.3) Do you engage in activities that could either directly or indirectly influence public policy on climate-related issues through any of the following?

No

C12.3g

(C12.3g) Why do you not engage with policy makers on climate-related issues?

Our GHG Inventory Management Program is currently in its early stages of development. We will re-evaluate potential engagement with policy makers as our program and understanding of our own position evolves.

C12.4

(C12.4) Have you published information about your organization's response to climate change and GHG emissions performance for this reporting year in places other than in your CDP response? If so, please attach the publication(s).

C15. Signoff

C-FI

(C-FI) Use this field to provide any additional information or context that you feel is relevant to your organization's response. Please note that this field is optional and is not scored.

C15.1

(C15.1) Provide details for the person that has signed off (approved) your CDP climate change response.

	Job title	Corresponding job category
Row 1	Senior Director Workplace Services	Facilities manager