

C0. Introduction

C0.1

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

Lenovo (HKSE: 992) (ADR: LNVGY) is a US\$50 billion Fortune Global 500 company, with 63,000 employees and operating in 180 markets around the world. Focused on a bold vision to deliver smarter technology for all, we are developing world-changing technologies that create a more inclusive, trustworthy and sustainable digital society. By designing, engineering and building the world’s most complete portfolio of smart devices and infrastructure, we are also leading an Intelligent Transformation – to create better experiences and opportunities for millions of customers around the world. To find out more visit <https://www.lenovo.com>, follow us on LinkedIn, Facebook, Twitter, YouTube, Instagram, Weibo and read about the latest news via our StoryHub.

Lenovo is committed to responsible environmental stewardship in all of our business activities. Lenovo’s corporate policy on environmental affairs is supported by the company’s ISO 14001 registered global environmental management system, which is key to our efforts to achieve results consistent with environmental leadership and ensures the company is vigilant in protecting the environment across all of our operations worldwide.

Lenovo recognizes global warming and the challenge of minimizing fossil fuel emissions as the preeminent environmental public policy issue of the day. To demonstrate our commitment to battling climate change and in support of our customers’ and stakeholders’ commitments to GHG (greenhouse gas) reductions Lenovo has developed a Corporate Climate and Energy Policy, implemented a comprehensive Climate Change Strategy and established corporate-wide Climate Change Objectives and Targets. Lenovo’s climate change approach is based on those three corner pillars which can be viewed in detail at Lenovo’s Climate Change website: https://www.lenovo.com/us/en/social_responsibility/climate/.

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	April 1 2019	March 31 2020	No	<Not Applicable>

C0.3

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

Argentina
Australia
Austria
Belgium
Brazil
Bulgaria
Canada
Chile
China
Colombia
Croatia
Czechia
Denmark
Egypt
Finland
France
Germany
Greece
Hungary
India
Indonesia
Ireland
Israel
Italy
Japan
Kazakhstan
Kenya
Lithuania
Malaysia
Mexico
Morocco
Netherlands
Norway
Peru
Philippines
Poland
Portugal
Republic of Korea
Romania
Russian Federation
Saudi Arabia
Serbia
Singapore
Slovakia
Slovenia
South Africa
Spain
Sweden
Switzerland
Taiwan, Greater China
Thailand
Turkey
Ukraine
United Arab Emirates
United Kingdom of Great Britain and Northern Ireland
United States of America
Venezuela (Bolivarian Republic of)
Viet Nam

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 Chair	Lenovo's Climate and Energy policy is reviewed and approved by Lenovo's Chairman of the Board and Chief Executive Officer (CEO). In addition, the Board is briefed at least annually on Lenovo's climate change mitigation strategy and progress towards our climate change mitigation goals. Due to climate change topic importance, it was recommended by the Global Environmental Affairs and Sustainability team to brief the Board on this topic. Ownership (direct responsibility) for Climate Change Strategy and Objectives and Targets lies with Lenovo's Chief Corporate Responsibility Officer who has specific responsibility for climate change related issues at Lenovo and acts in a similar capacity to a Chief Sustainability Officer. Lenovo's Chief Corporate Responsibility Officer reports to our Senior Vice President and Chief Legal Officer, who reports to CEO and Chairman of the Board for Lenovo.
Chief Executive Officer (CEO)	Lenovo's Climate and Energy policy is reviewed and approved by Lenovo's Chairman of the Board and Chief Executive Officer (CEO). In addition, the Board is briefed at least annually on Lenovo's climate change mitigation strategy and progress towards our climate change mitigation goals. Due to climate change topic importance, it was recommended by the Global Environmental Affairs and Sustainability team to brief the Board on this topic. Ownership (direct responsibility) for Climate Change Strategy and Objectives and Targets lies with Lenovo's Chief Corporate Responsibility Officer who has specific responsibility for climate change related issues at Lenovo and acts in a similar capacity to a Chief Sustainability Officer. Lenovo's Chief Corporate Responsibility Officer reports to our Senior Vice President and Chief Legal Officer, who reports to CEO and Chairman of the Board for Lenovo.

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 – some meetings	Reviewing and guiding strategy Reviewing and guiding major plans of action Reviewing and guiding risk management policies Monitoring implementation and performance of objectives Monitoring and overseeing progress against goals and targets for addressing climate-related issues	<Not Applicable>	The Board of Directors is briefed at least annually on Lenovo's climate change mitigation efforts. At least once a year the Board is given an update on risks and opportunities in the ESG/sustainability area, including climate change. They are also updated on progress towards objectives and targets including Scope 1 and 2 GHG emissions reductions and progress towards installation of onsite renewable energy projects. In the past when these objectives were set or further strengthened, the Board was briefed and given opportunity to provide comments on these goals. Specifically, the Board reviewed establishment of Lenovo's 40% Scope 1 and 2 emissions reductions target and 30MW of onsite renewable energy by 2020 goals. These briefings are done by the Chief Corporate Responsibility Officer based on input from global environmental affairs team and gathered information from business units and sites. In FY 2019/20 the Board was briefed on Lenovo's progress towards these targets and our strategy for meeting the 30MW goal by end of 2020. Additionally, new generation established science-based emission reduction targets by 2030 were presented to the Board in August 2020.

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
Chief Sustainability Officer (CSO)	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	Half-yearly

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).

Lenovo's Chief Corporate Responsibility Officer (CRO; similar to Chief Sustainability Officer) has executive oversight responsibility for Lenovo's sustainability and environmental affairs areas, including climate change programs such as the Climate and Energy Policy, strategy, and objectives and targets. Day-to-day management of climate change programs is carried out within the scope of Lenovo's ISO 14001 certified global environmental management system (EMS) and beyond. The global EMS is owned by the Director of Environmental, Sustainability and Compliance who reports to Lenovo's Chief Corporate Responsibility Officer. Lenovo's EMS requires that the Director of Environmental, Sustainability and Compliance reports environmental updates to Lenovo's Chief Corporate Responsibility Officer at least annually (e.g. ESG/sustainability report and topics, emissions targets including science-based targets, solar installation, environmental objectives and targets). In practice, real time updates occur with much greater frequency and informal updates frequently occur during weekly 1:1 meetings between the two managers.

Lenovo's Chief Corporate Responsibility Officer monitors climate change programs via these formal and informal updates which can include the status of renewable energy installations, proposals and funding requests for renewable energy projects, the purchase of renewable energy commodities, progress towards EMS objectives and targets, competitive analysis and other topics. Based on these updates, the CRO provides guidance and executive leadership including supporting requests for funding solar and renewable energy initiatives to Lenovo's finance team; presenting updates to the CEO and Board of Directors on the status of Lenovo's progress towards BoD level goals, etc. Lenovo's CRO presents updates to the CEO and Board of Directors on these matters at least annually. Both the CRO and Director of Environmental, Sustainability and Compliance positions currently reside within Lenovo's global Legal organization. These responsibilities were assigned at these levels because these positions have global corporate level oversight authority covering all geographies and business units.

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	

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
Chief Sustainability Officer (CSO)	Monetary reward	Emissions reduction project	In FY 2019/20, Lenovo's Chief Corporate Responsibility Officer (CRO) had one of their KPIs to drive progress in Lenovo's climate change mitigation initiatives, including emissions reductions.
Chief Sustainability Officer (CSO)	Monetary reward	Emissions reduction target	In FY 2019/20, Lenovo's Chief Corporate Responsibility Officer (CRO) had KPIs to drive progress in Lenovo's climate change mitigation initiatives, including emissions reductions and establish next generation goals to present to management and the Board for 2020 and beyond, based on the Science Based Targets Initiatives' methodology.
Other, please specify (Individuals with climate responsibilities and KPIs)	Monetary reward	Other (please specify) (All listed activities)	Staff with energy/climate change responsibility have climate change related tasks in their KPIs. These include: Developing and managing Climate and Energy Policy, Strategy and Objectives and Targets. Managing and verifying greenhouse gas emissions. Meeting EMS objectives and targets which include climate change objectives and targets since energy consumption and the associated greenhouse gas emissions are identified as significant environmental aspects. Performance against KPIs is directly tied to variable (bonus) pay which is an important part of employees' compensation.
Other, please specify (Individuals with climate responsibilities and KPIs)	Non-monetary reward	Other (please specify) (All listed activities)	Staff with energy/climate change responsibility have climate change related tasks in their KPIs. These include: Developing and managing Climate and Energy Policy, Strategy and Objectives and Targets. Managing and verifying greenhouse gas emissions. Meeting EMS objectives and targets which include climate change objectives and targets since energy consumption and the associated greenhouse gas emissions are identified as significant environmental aspects. Performance against KPIs can result in employee awards and recognition at the business unit, site or companywide.

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	1	This time horizon aligns with Lenovo's business practice horizons.
Medium-term	1	10	This time horizon aligns with Lenovo's business practice horizons.
Long-term	10	50	This time horizon aligns with Lenovo's business practice horizons.

C2.1b

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

1. Substantive financial or strategic impact on Lenovo business from the Enterprise Risk Management perspective:

Lenovo has internal risk rating criteria that rank risk according to a number of factors including financial. Financial impacts are defined by the overall profitability of the business by assessing financial indicators such as profit, revenue and assets measured. Financial risks are ranked based on total impact (low, moderate, high or extreme) with defined monetary ranges depending on the magnitude of associated loss in profit, revenue or assets. The two highest financial impact categories as defined by Lenovo's internal risk ranking methodology determine degree of severity and would be considered critical financial impact with the potential to have a substantive impact on Lenovo business at the corporate level.

The risk rating methodology identifies several other impact types such as image, market share, production, people, environment and compliance that would all be considered strategic impacts. These strategic impacts would likely have associated financial impacts. The indicators for determining their degree of severity are the geographic and temporal scope of publicity, sales, production numbers, injury, death, turnover, scope and reversibility of incidents and penalties. Similar to the financial impacts, the two highest degrees of severity for the aforementioned impact types would be considered a substantive strategic impact on Lenovo business at the corporate level.

In general summary, the identified risks and opportunities by the Enterprise Risk Management process are prioritized by ranking the risks relative to probability and consequence. Consequences are evaluated relative to financial, reputational, production, social, environmental, compliance and market share impacts. Probabilities are evaluated relative to likelihood of almost certain, possible, unlikely and remote.

2. Substantive financial or strategic impact on Lenovo business from the Significant Environmental Aspect perspective:

Lenovo environmental aspects are rated relative to both their environmental significance and business significance. Environmental significance is rated relative to five environmental risks factors (quantity, area, frequency, severity and level of control) and business significance is rated relative to three business risks (reputation or stakeholder relationship, compliance and management focus). The results of these separate rating schemes are combined to produce a total significance rating for each environmental aspect. Aspects with significance scores equal to or above 20 typically are deemed significant environmental aspects from which objectives, targets and management programs including resources are developed.

Lenovo classifies potential substantive financial or strategic impact when identifying and assessing climate-related risks as a significant environmental aspect if it scores 20 or higher in combination of the following risk factors (the higher numeric value for each, the higher risk potential): high quantity of impact, broader area of impact, higher frequency of impact, serious severity of impact, lack of control, international media issue, significant customer interest, regulatory requirements and influence on core business. These significant environmental aspects could have a considerable effect on Lenovo at the corporate level including operational, financial and strategic effects.

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
Downstream

Risk management process

Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment

More than once a year

Time horizon(s) covered

Short-term
Medium-term
Long-term

Description of process

Climate change risks and opportunities are identified and evaluated as part of the scope of two main processes within Lenovo's business management system. These include our global risk registration process (further described below) and the annual environmental significant aspect evaluation. These processes are connected, if climate change risks and opportunities are identified in the global risk registration, they are flagged and considered in the environmental aspects analysis. The converse is also true, if a climate change related issue is identified as part of the EMS environmental aspects analysis, it is rolled up through the business units and functions risk assessment into Enterprise Risk Management risk registration processes. Lenovo's global risk registration process is integrated with annual strategic planning process across the company. Enterprise Risk Management (ERM) champions are appointed in the functions where risk ownership is established. All Lenovo major business units and functions participate in this risk assessment. Risk champions from every unit and function are responsible for coordinating risk assessment in their part of the company. The ERM team supports and provides guidance to risk champions in carrying out local risk assessment. Risk champions are required to submit their risk rating, risks owners and mitigation action plans to the ERM team. Every risk is assigned a risk owner who is responsible tracking the risk, keeping management informed of status changes relative the risk, and ensuring that adequate attention and resources are applied to the risk. Lenovo's ERM team consolidates the risk input from all business units and functions, and establishes a corporate prioritized risk universe for the use of the audit committee and senior leadership team to have a consistent and complete view of Lenovo's risk exposure. The global risk registration evaluation includes direct Lenovo operations as well as upstream and downstream value chains. It looks at risks and opportunities from the short-term, mid-term and long-term perspective where appropriate. The global risk registration process is performed at least once every year. If climate-related risks are reported as very high risks, they will be assessed and managed by our mitigation action plans via the global risk registration process twice a year, that is why we selected "more than once a year" in the frequency of assessment. In addition to the global risk registration process, key business units and functions also

conduct risk and opportunity assessment and disclosure processes that are carried out every quarter. Climate change related risks and opportunities may be considered and reported through these processes (e.g. opportunity to build energy efficiency features in our products). If deemed material, the results of this evaluation could be disclosed externally. The identified risks and opportunities by the risk registration process are prioritized by ranking the risks relative to probability and consequence. Consequences are evaluated relative to financial, reputational, production, social, environmental, compliance and market share impacts. Probabilities are evaluated relative to likelihood of almost certain, possible, unlikely and remote. Based on prioritization and severity of consequences, we manage climate-related risks and opportunities as part of our mitigation action plans identified during risk management process and via our climate change programs established for environmental aspects related to climate change evaluated as our significant environmental aspects. In addition, per the requirements of the Hong Kong Exchange, Lenovo's Board of Directors has overall responsibility for managing Lenovo's environmental, social, and governance risks. As such, Lenovo's Chief Corporate Responsibility Officer at least annually reports to the Board an update on key environmental risks. The climate change topic is included in this update. As an example of how our risk management process applied to physical risks, we implemented effective mitigation action plans during intense weather events that impacted our facilities located in climate challenged areas. This way we ensured adequate response capability and coverage in place to protect our employees, customers, assets and investors. As an example of our risk management process is applied to transitional opportunities, one of our energy efficiency tools, Lenovo's Power Manager™ is legendary and works in cooperation with the operating system to fine tune the operating efficiency and power consumption of the PC products and servers. This type of energy efficient technology allows us manage technology climate-related opportunities.

Value chain stage(s) covered

Direct operations
Upstream
Downstream

Risk management process

Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment

Annually

Time horizon(s) covered

Short-term
Medium-term
Long-term

Description of process

Climate change risks and opportunities are identified and evaluated as part of the scope of two main processes within Lenovo's business management system. These include our global risk registration process and the annual environmental significant aspect evaluation (further described below). These processes are connected, if climate change risks and opportunities are identified in the global risk registration, they are flagged and considered in the environmental aspects analysis. The converse is also true, if a climate change related issue is identified as part of the EMS environmental aspects analysis, it is rolled up through the business units and functions risk assessment into Enterprise Risk Management risk registration processes. The environmental significant aspect evaluation is a risk and opportunity based environmental management planning process that considers the context of Lenovo's global organization, needs and expectations of interested parties, global environmental aspects and compliance obligations and global materiality assessment. The planning process starts by identifying processes that interact with the environment and assessing environmental risks and opportunities and their impacts. After collecting this information from business groups, worldwide locations and supply chain areas in the scope of Lenovo's environmental management system (EMS), the Global Environmental Affairs team issues a register of global environmental aspects, significant environmental aspects, associated impacts, risks and opportunities. After that the focus of the organization's environmental planning is to identify and implement actions which ensure control and continuous improvement relative to Lenovo's significant environmental aspects, compliance obligations and environmental risks and opportunities. Plans are documented to assure implementation activities are integrated into the EMS and business processes. The effectiveness of implemented actions must be periodically evaluated. Lenovo environmental planning takes into consideration market conditions, available technological options, financial, operational and business requirements and other factors affecting the business case. The global annual environmental significant aspect evaluation includes direct Lenovo operations as well as upstream and downstream value chains. It looks at risks and opportunities from the short-term, mid-term and long-term perspective where appropriate. The environmental aspects and identified risk and opportunities are prioritized based on their environmental significance and business significance. Environmental significance is rated relative to five environmental risks factors (quantity, area, frequency, severity and level of control) and business significance is rated relative to three business risks (reputation or stakeholder relationship, compliance and management focus). The results of these separate rating schemes are combined to produce a total significance rating for each environmental aspect for which objectives, targets and management programs including resources are developed and executed. Based on prioritization and severity of consequences, we manage climate-related risks and opportunities as part of our mitigation action plans identified during risk management process and via our climate change programs established for environmental aspects related to climate change evaluated as our significant environmental aspects. In addition, per the requirements of the Hong Kong Exchange, Lenovo's Board of Directors has overall responsibility for managing Lenovo's environmental, social, and governance risks. As such, Lenovo's Chief Corporate Responsibility Officer at least annually reports to the Board an update on key environmental risks. The climate change topic is included in this update. Additionally, environmental opportunities related to climate are being identified during Lenovo's product development process, site operations and supply chain management. Our teams look for new opportunities that can be evaluated and implemented such as new energy features in our products to comply with product efficiency regulations and standards, labeling products with product carbon footprint information to satisfy consumer preferences or using more efficient distribution channels via proximity to suppliers and our major market based on Lenovo's strong presence in China. As an example of how our risk management process applied to physical risks, we implemented effective mitigation action plans during intense weather events that impacted our facilities located in climate challenged areas. This way we ensured adequate response capability and coverage in place to protect our employees, customers, assets and investors. As an example of our risk management process is applied to transitional opportunities, one of our energy efficiency tools, Lenovo's Power Manager™ is legendary and works in cooperation with the operating system to fine tune the operating efficiency and power consumption of the PC products and servers. This type of energy efficient technology allows us manage technology climate-related opportunities.

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	Compliance to current regulations is always included as part of risk consideration either through our Enterprise Risk Management evaluation, Environmental Management System evaluation or business units/functions evaluations. The regulation/compliance category is one of the relevant risk factors included in the risk ranking methodologies because it can have significant impacts on Lenovo's business. As an example of this risk type, Lenovo is a part of Beijing pilot ETS and Lenovo's sites in Beijing and Shenzhen are considered significant carbon emitters. Lenovo is closely monitoring other provinces where this pilot program has been imposed since Lenovo sites in Shanghai, Huiyang, Xiamen, Chengdu and Wuhan could be impacted in the future. As a technology provider, we always consider the climate-related risk of current regulation associated with Lenovo products, such as ThinkPad, IdeaPad, Yoga, Legion, Moto and ThinkSystem, in our climate-related risk assessments.
Emerging regulation	Relevant, always included	Compliance to emerging regulations is always included as part of risk consideration either through our Enterprise Risk Management evaluation, Environmental Management System evaluation or business units/functions evaluations. The regulation/compliance category is one of the relevant risk factors included in the risk ranking methodologies because it can have significant impacts on Lenovo's business. As an example of this risk type, Lenovo monitors closely emerging product labeling regulations and standards such as low carbon products labels or product carbon footprint marks that could impact Lenovo products, such as ThinkPad, IdeaPad, Yoga, Legion, Moto and ThinkSystem.
Technology	Relevant, always included	Technology is always included as part of risk consideration either through our Enterprise Risk Management evaluation, Environmental Management System evaluation or business units/functions evaluations. Technology is one of the relevant risk factors included either directly or indirectly in the risk ranking methodologies because it can have significant impacts on Lenovo's business. As an example of this risk type would be considering what types of products our customers may want as climate change considerations and energy prices become more important factors in their decision making. Example technologies that are responsive to that risk include our low temperature solder innovation that has been implemented on ThinkPad notebook and other notebook lines and our warm water cooled servers offered as part of our ThinkSystem portfolio of products.
Legal	Relevant, always included	Compliance to current and emerging regulations is always included as part of risk consideration either through our Enterprise Risk Management evaluation, Environmental Management System evaluation or business units/functions evaluations. The regulation/compliance category is one of the relevant risk factors included in the risk ranking methodologies because it can have significant impacts on Lenovo's business. As an example of this risk type, Lenovo monitors closely uncertainty surrounding new regulations on energy efficiency, carbon tax or emission trading that could impact Lenovo products, such as ThinkPad, IdeaPad, Yoga, Legion, Moto and ThinkSystem and might expose Lenovo to potential litigation.
Market	Relevant, always included	Customers' expectations and needs are always included as part of risk consideration either through our Enterprise Risk Management evaluation, Environmental Management System evaluation or business units/functions evaluations. The market/customers/stakeholders category is one of the relevant risk factors included in the risk ranking methodologies because it can have significant impacts on Lenovo's business. As an example of this risk type, Lenovo monitors changing consumers behavior towards low carbon products that could impact product demand, pricing and consumer spending for Lenovo products, such as ThinkPad, IdeaPad, Yoga, Legion, Moto and ThinkSystem.
Reputation	Relevant, always included	Reputation is always included as part of risk consideration either through our Enterprise Risk Management evaluation, Environmental Management System evaluation or business units/functions evaluations. The reputation category is one of the relevant risk factors included in the risk ranking methodologies because it can have significant impacts on Lenovo's business. As an example of this risk type, if Lenovo didn't take actions towards mitigating climate change impacts, we would be perceived as not a good corporate citizen that could lead to reputation damage in a form of impacting our business image as well as ability to sell products such as ThinkPad, IdeaPad, Yoga, Legion, Moto and ThinkSystem.
Acute physical	Relevant, always included	Changes in acute physical climate change is always included as part of risk consideration either through our Enterprise Risk Management evaluation, Environmental Management System evaluation or business units/functions evaluations. The acute physical category is one of the relevant risk factors included in the risk ranking methodologies because it can have significant impacts on Lenovo's business. As an example, Lenovo considers reversible or irreversible environmental incidents such as tropical cyclones, hurricanes and typhoons that could impact manufacturing, distribution and transportation of Lenovo products such as ThinkPad, IdeaPad, Yoga, Legion, Moto and ThinkSystem.
Chronic physical	Relevant, always included	Changes in chronic physical climate change are always included as part of risk consideration either through our Enterprise Risk Management evaluation, Environmental Management System evaluation or business units/functions evaluations. The chronic physical category is one of the relevant risk factors included in the risk ranking methodologies because it can have significant impacts on Lenovo's business. As an example, Lenovo considers reversible or irreversible environmental incidents such as sea level rise, changes in precipitation patterns and extreme variability in weather patterns that could impact manufacturing, distribution and transportation of Lenovo products such as ThinkPad, IdeaPad, Yoga, Legion, Moto and ThinkSystem.

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	Mandates on and regulation of existing products and services
---------------------	--------------------------------------------------------------

Primary potential financial impact

Increased indirect (operating) costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

Lenovo considers there to be risk with the promulgation of legislation requiring carbon labeling of products. Of concern is the absence of an international standard for compiling such information and the challenge presented to developing a meaningful and efficient reporting protocol. Also, of concern relative to required carbon labeling are the increased operating costs they will drive if each single Lenovo product such as ThinkPad, IdeaPad, Yoga, Legion, Moto and ThinkSystem would need to have a product carbon footprint number. There are significant costs associated with completing a full carbon life cycle analysis for all product offerings.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

1000000

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Promulgation of regulations requiring manufacturers to report a product carbon footprint (PCF) compiled using a full carbon life cycle analysis has the potential to cost Lenovo \$1,000,000 annually. Lenovo estimates the cost of establishing the PCF for a single new offering to be \$20,000.

Cost of response to risk

35000

Description of response and explanation of cost calculation

Lenovo's management of regulatory risk begins with a comprehensive program to monitor developing regulations globally. Relevant regulations are tracked from development through promulgation. In cases where Lenovo has expertise in the regulatory area we will engage directly or through trade associations in the development process. For example, Lenovo continues participation in the Product Attribute Impact Algorithm (PAIA) project. The PAIA project is developing and maintaining life cycle methodologies which compile the PCF through a stream lined process with a known confidence level. Lenovo is also engaging in the development of voluntary and regulatory PCF standards. Lenovo has participated either directly or through the PAIA project in standards development work with WRI/WBCSD, the EU and the Ministry of Industry and Information Technology of the People's Republic of China. Lenovo estimates costs associated with the continued participation in the PAIA project will be approximately \$35,000 annually.

Comment

N/A

Identifier

Risk 2

Where in the value chain does the risk driver occur?

Upstream

Risk type & Primary climate-related risk driver

Current regulation	Carbon pricing mechanisms
--------------------	---------------------------

Primary potential financial impact

Increased indirect (operating) costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

Lenovo identifies financial risks associated with the impact of carbon taxes on carbon based fuel and carbon offset prices and operational costs. The Beijing pilot ETS carbon trade program implemented in several Chinese provinces directly impacted our Beijing and Shenzhen operations and have the potential to impact 5 other Lenovo facilities.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Medium-high

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

22000

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Costs for meeting required emissions reductions in Beijing are estimated around \$22,000 for FY 2019/20. We expect increasing annual costs. The proposed carbon price acts around the world could significantly impact the costs of meeting our emissions reduction commitment. Lenovo estimated the current costs to meet and sustain a 40% reduction in emissions for 20 years through the purchase of renewable energy commodities and carbon offsets to be approximately between \$5-25 million. If the proposed carbon pricing is implemented, our costs could increase by more than 100 fold.

Cost of response to risk

53000000

Description of response and explanation of cost calculation

Lenovo continues to monitor the development of climate and carbon related regulation globally. Lenovo has a climate and energy policy and strategy in place and is working on reducing our emissions globally as well as at our Beijing sites that are under the Beijing pilot ETS carbon trade program. Primary activities in support of this goal include: having an energy management council in China, establishing a comprehensive energy/carbon system for Beijing sites including energy efficiency and renewable project identification and implementation (e.g., optimizing equipment control systems, installing solar hot water systems), implementing energy verification and energy management

audit and purchasing carbon offsets Lenovo plans to meet its emissions reduction target through installation of on site renewable energy generation capacity, entering into renewable energy power purchase agreements and the purchase of carbon and renewable energy commodities. Our target for renewable energy capacity is 30 MW which is valued at approximately \$53 million. The balance of emissions reduction will be accomplished through the purchase of renewable energy commodities and carbon offsets which we are currently estimating could cost an average between \$100,000-\$500,000 per year over the next 5 years.

Comment

N/A

Identifier

Risk 3

Where in the value chain does the risk driver occur?

Downstream

Risk type & Primary climate-related risk driver

Current regulation	Mandates on and regulation of existing products and services
--------------------	--------------------------------------------------------------

Primary potential financial impact

Increased indirect (operating) costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

Lenovo identifies financial and reputational risks associated with the uncertainty around environmental regulations and voluntary requirements, including requirements related to managing, tracking, reporting and verifying GHG emissions. Monitoring new requirements, managing and implementing programs to manage to the new requirements and externally verifying and reporting places increased stress on existing resources and may drive additional expense. As Lenovo's product lines such as ThinkPad, IdeaPad, Yoga, Legion, Moto and ThinkSystem and physical footprint expand, these risks and stresses are growing.

Time horizon

Medium-term

Likelihood

Likely

Magnitude of impact

Medium-high

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Administrative and personnel costs to support Lenovo's global compliance assurance programs and related regulatory programs and fees are substantial and expected to grow with increasing regulations in the environmental and carbon emissions reporting area. Increases both in regulatory burdens, as well as in regulatory uncertainty place increased burden on Lenovo's existing compliance programs. As Lenovo's commitments grow, such as for carbon emissions reductions and use of renewable energy, so must our investments in this area. It is expected that this will increase by at least 10% per year.

Cost of response to risk

0

Description of response and explanation of cost calculation

This risk is currently managed by the use of internal personnel and consultants to monitor developing regulations globally. To ensure the compliance with reporting requirements and quality of data Lenovo reported data is verified by a third party. Lenovo does not externally report these costs of management.

Comment

N/A

Identifier

Risk 4

Where in the value chain does the risk driver occur?

Upstream

Risk type & Primary climate-related risk driver

Chronic physical	Rising sea levels
------------------	-------------------

Primary potential financial impact

Decreased revenues due to reduced production capacity

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

Lenovo identifies risks associated with rise in sea level and the associated increase in coastal and lowland flooding. Such changes have the potential to impact Lenovo suppliers and their ability to supply materials and product components for our products such as ThinkPad, IdeaPad, Yoga, Legion, Moto and ThinkSystem.

Time horizon

Medium-term

Likelihood

Likely

Magnitude of impact

High

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

An estimate of the potential financial impacts of sea level rise is not available. However, we believe that this risk has a potential to have high financial implications and we expect it will increase over time.

Cost of response to risk

100000

Description of response and explanation of cost calculation

Lenovo's manages this risk through a robust emergency preparedness and response planning program. The program establishes plans, processes and procedures to identify, mitigate, respond to and recover from risks associated with such events. Even in the light of increasing risks Lenovo believes the infrastructure and processes in place are adequate to address these risks with the exercise of due diligence and proper planning. Lenovo periodically reviews and updates its emergency preparedness and response and business interruption strategies, programs and procedures. Lenovo's product and component supply is protected by sourcing individual commodities to multiple suppliers and avoiding single sources. These suppliers typically have multiple manufacturing locations as well. Furthermore, Lenovo's suppliers are contractually required to have Disaster Recovery Plans. Their preparedness for natural disasters including climate change related ones are reviewed and audited by Lenovo's procurement. Finally, Lenovo works closely with its suppliers on the supply/demand management process to ensure needed volumes of supply materials and components are known ahead of time which minimizes supply interruptions in case of severe climate change events. Specifically, Lenovo estimates that we spend in excess of \$100,000 per year to maintain, test and update our emergency preparedness and response and business interruption strategies, programs and procedures at our manufacturing sites.

Comment

N/A

Identifier

Risk 5

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
----------------	----------------------------------------------------------------------------------------

Primary potential financial impact

Decreased revenues due to reduced production capacity

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

Lenovo identifies risks associated with an increase in the number and/or the intensity of tropical cyclones. The location of some of Lenovo's suppliers' facilities exposes them to the potential transportation, utilities and service interruptions that are associated with these changes. This risk has the potential to impact Lenovo's suppliers' ability to supply materials and components for our products such as ThinkPad, IdeaPad, Yoga, Legion, Moto and ThinkSystem.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

High

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

An estimate of the potential financial impacts of an increase in the number or intensity of tropical cyclones has not been calculated. However, we believe that this risk has a potential to have high financial implications and we expect it will increase over time.

Cost of response to risk

100000

Description of response and explanation of cost calculation

Lenovo's manages this risk through a robust emergency preparedness and response planning program. The program establishes plans, processes and procedures to identify, mitigate, respond to and recover from risks associated with such events. The system is regularly tested and updated. Even in the light of increasing risks Lenovo believes the infrastructure and processes in place are adequate to address these risks with the exercise of due diligence and proper planning. Lenovo's product and component supply is protected by sourcing individual commodities to multiple suppliers and avoiding single sources. These suppliers typically have multiple manufacturing locations as well. Furthermore, Lenovo's suppliers are contractually required to have Disaster Recovery Plans. Their preparedness for natural disasters including climate change related ones are reviewed and audited by Lenovo's procurement. Finally, Lenovo works closely with its suppliers on the supply/demand management process to ensure needed volumes of supply materials and components are known ahead of time which minimizes supply interruptions in case of severe climate change events. Specifically, Lenovo estimates that we spend in excess of \$100,000 per year to maintain, test and update our emergency preparedness and response and business interruption strategies, programs and procedures at our manufacturing sites.

Comment

N/A

Identifier

Risk 6

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Chronic physical	Changes in precipitation patterns and extreme variability in weather patterns
------------------	-------------------------------------------------------------------------------

Primary potential financial impact

Increased indirect (operating) costs

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

Lenovo recognizes risks associated with the impact of more frequent and more severe climatic events. Lenovo's anticipates continuing increases in insurance costs as a result of these events.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Medium-low

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Estimates of the potential financial impacts of these events on insurance costs are not available. However, we believe that this risk has a potential to have moderate financial implications and we expect it will increase over time.

Cost of response to risk

0

Description of response and explanation of cost calculation

Lenovo recognizes the potential for climate change impacts to place continued upward pressure on insurance costs and thus, the cost of doing business. The company continues to work with underwriters to minimize related costs by proactively identifying potential risks, designing and implementing effective mitigation plans and ensuring adequate response capability and coverage are in place to protect our employees, customers, assets and investors. Lenovo does not externally publish insurance cost projections (cost of management).

Comment

N/A

Identifier

Risk 7

Where in the value chain does the risk driver occur?

Downstream

Risk type & Primary climate-related risk driver

Reputation	Increased stakeholder concern or negative stakeholder feedback
------------	----------------------------------------------------------------

Primary potential financial impact

Decreased revenues due to reduced demand for products and services

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

Lenovo recognizes reputational risk associated with being perceived as not managing and reducing its climate change impacts. Such perception could negatively impact the company's relationships with both enterprise and transactional customers and ultimately product sales of ThinkPad, IdeaPad, Yoga, Legion, Moto and ThinkSystem. Lenovo does not externally publish names of specific stakeholders who provided concerns or negative feedback.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Medium-high

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

50716000

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

It is estimated that a 0.1% drop in sells created by the perception Lenovo was not effectively managing its climate impacts would have cost the company in excess of \$50,716,000.00 during FY 2019/20.

Cost of response to risk

0

Description of response and explanation of cost calculation

We have taken numerous actions to address this risk. Lenovo implemented a Climate and Energy Policy and comprehensive Climate Change Strategy. We established a GHG emissions reduction plan as well as numerous product and supply chain climate related objectives and targets. Lenovo responds to requests for information on our climate change work directly as well as publishing regularly updated climate change information on its external website. Climate change information is also communicated in our Annual Financial and Sustainability/ESG Reports. We have our GHG inventory externally verified annually. The total costs associated with all of these activities have not been quantified. The costs of external verification are estimated to be \$30,000.00 per year. We have also estimated that meeting our emissions reduction targets through the purchase of renewable energy commodities and carbon credits could cost an average between \$100,000-\$500,000 per year over the next 5 years.

Comment

N/A

Identifier

Risk 8

Where in the value chain does the risk driver occur?

Downstream

Risk type & Primary climate-related risk driver

Reputation	Increased stakeholder concern or negative stakeholder feedback
------------	----------------------------------------------------------------

Primary potential financial impact

Decreased access to capital

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

Lenovo recognizes reputational risk associated with being perceived as not managing and reducing its climate change impacts. Such perception could negatively impact the company's ability to raise capital and ultimately product sales of ThinkPad, IdeaPad, Yoga, Legion, Moto and ThinkSystem. Lenovo does not externally publish names of specific stakeholders who provided concerns or negative feedback.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Medium-high

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Estimates of the potential impacts of being perceived as not managing and reducing its climate change impacts are not available. However, we believe that this risk has a potential to have high financial implications and we expect it will increase over time.

Cost of response to risk

0

Description of response and explanation of cost calculation

We have taken numerous actions to address this risk. Lenovo implemented a Climate and Energy Policy and comprehensive Climate Change Strategy. We established a GHG emissions reduction plan as well as numerous product and supply chain climate related objectives and targets. Lenovo responds to requests for information on our climate change work directly as well as publishing regularly updated climate change information on its external website. Climate change information is also communicated in our Annual Financial and Sustainability Reports. We have our GHG inventory externally verified annually. The total costs associated with all of these activities have not been quantified. The costs of external verification are estimated to be \$30,000.00 per year. We have also estimated that meeting our emissions reduction targets through the purchase of renewable energy commodities and carbon credits could cost an average between \$100,000-\$500,000 per year over the next 5 years.

Comment

N/A

Identifier

Risk 9

Where in the value chain does the risk driver occur?

Downstream

Risk type & Primary climate-related risk driver

Market	Changing customer behavior
--------	----------------------------

Primary potential financial impact

Decreased revenues due to reduced demand for products and services

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

Lenovo recognizes risks associated with climate related impacts on consumer purchasing habits. The broad-based economic impacts of climate change on product demand, pricing and consumer spending have the potential to impact Lenovo product sells such as ThinkPad, IdeaPad, Yoga, Legion, Moto and ThinkSystem.

Time horizon

Medium-term

Likelihood

Virtually certain

Magnitude of impact

Medium-high

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

50716000

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

It is estimated that a 0.1% drop in sells caused by a shift in consumer's purchasing behavior (e.g., depressed sells due to the impact of increased energy costs on product pricing and reduced consumer expendable income) would have cost the company in excess of \$50,716,000.00 during FY 2019/20.

Cost of response to risk

1336000000

Description of response and explanation of cost calculation

Lenovo has research and development labs in China, Germany, Japan, Taiwan and United States. Lenovo's customer focus ensures development of new products at these locations that are in tune with the changing demands of the marketplace. A development process that recognizes energy efficiency as primary product attribute drives the development of energy efficient products complying with worldwide standards and certifications (e.g., ENERGY STAR®, EPEAT, UL Environment, GREENGUARD, Nordic Swan, EMCA-370 or TCO Certification). During FY 2019/20 Lenovo invested \$1,336,000,000.00 in product research and development.

Comment

N/A

Identifier

Risk 10

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Technology	Transitioning to lower emissions technology
------------	---------------------------------------------

Primary potential financial impact

Decreased revenues due to reduced demand for products and services

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

Lenovo recognizes risks associated with climate related impacts on transitioning to lower emissions technologies. The broad-based economic impacts of climate change on product demand, pricing and consumer spending have the potential to impact Lenovo product sells such as ThinkPad, IdeaPad, Yoga, Legion, Moto and ThinkSystem.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

High

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

50716000

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

It is estimated that a 0.1% drop in sells caused by a reduced demand for high emission technology innovations (e.g., depressed sells due to the impact of increased energy costs on product pricing and reduced consumer expendable income) would have cost the company in excess of \$50,716,000.00 during FY 2019/20.

Cost of response to risk

1336000000

Description of response and explanation of cost calculation

Lenovo has research and development labs in China, Germany, Japan, Taiwan and United States. Lenovo's customer focus ensures development of new products at these locations that are in tune with the changing demands of the marketplace and technology innovations to develop low emissions solutions. During FY 2019/20 Lenovo invested \$1,336,000,000.00 in product research and development.

Comment

N/A

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?

Downstream

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

Lenovo recognizes opportunity in changes to product efficiency regulations and standards driven by climate aspects. Lenovo expects that more regulations on energy efficiency will be developed worldwide because more countries realize the fact that climate change is real and actions need to be taken to mitigate it. Lenovo's historical and continued focus on product and operations energy efficiency provides a positive product differentiator in a regulatory environment that increasingly values these attributes. Lenovo offers a full complement of ENERGY STAR® qualified notebooks (~93% of all notebook platforms), desktops (~97% of all desktop platforms), workstations (~90% of all workstation platform), monitors (~94% of all monitors), and servers (~94% of all server platforms). Also, U.S. EPA recognized Lenovo monitors among its ENERGY STAR® Most Efficient designation.

Time horizon

Short-term

Likelihood

About as likely as not

Magnitude of impact

High

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

50716000

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Based upon FY 2019/20 earnings it is estimated that the potential financial impact of changes in energy efficiency requirements that created a sells advantage for Lenovo products that led to a 0.1% increase in sells would increase Lenovo revenues by approximately \$50,716,000.00 annually.

Cost to realize opportunity

11000000

Strategy to realize opportunity and explanation of cost calculation

Energy efficiency is a targeted attribute of the Lenovo product development process. Improvements in product energy efficiency are consistently part of our key environmental objectives and targets. We realize this opportunity of our strong product energy efficiency with lower emission footprint and offer a full complement of ENERGY STAR® qualified products, including ThinkPad, IdeaPad, Yoga, Legion and ThinkSystem. Select Lenovo newly released ENERGY STAR® qualified desktop and notebook platforms and monitors exceed the current applicable ENERGY STAR® power consumption requirements (by 25% to +60%). All Lenovo Class A external power adapters meet and exceed US (e.g. Dept of Energy, California Appliance Efficiency Program, etc.) and worldwide (EU ErP, Australia MEPS, etc.) energy efficiency requirements. All Lenovo external power supplies achieve Level V rating on the International Efficiency Marking Protocol for External Power Supplies. Lenovo also continues to investigate and implement design changes which improve both overall and operating efficiencies for newly released power adapters. Additionally, Lenovo offers EPEAT Silver rated products, UL Environment's Sustainable Products certified products to the "Silver" level for the IEEE 1680 and has many TCO and TCO Edge Certified displays, all-in-one and desktops. The costs associated with realization of this opportunity in terms of eco labels are approximately \$11M.

Comment

N/A

Identifier

Opp2

Where in the value chain does the opportunity occur?

Downstream

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

Lenovo recognizes opportunity in requirements for products to be labeled with product carbon footprint information. Around the world product carbon footprint methodologies have started to be launched. Lenovo Product Carbon Footprint (PCF) Information Sheets for some of our existing products and all new products including ThinkPad, IdeaPad, Yoga, Legion and ThinkSystem released after July 2015 are available on Lenovo's external website

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, a single figure estimate

Potential financial impact figure (currency)

50716000

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Based upon FY 2019/20 earnings it is estimated that the potential financial impact of offering products with a lower carbon footprint that created a sells advantage for Lenovo products that led to a 0.1% increase in sells would increase Lenovo revenues by approximately \$50,716,000.00 annually.

Cost to realize opportunity

300000

Strategy to realize opportunity and explanation of cost calculation

Lenovo's historical focus on operational efficiency and recent strategy of locating production facilities near markets provides a positive differentiator when calculating product carbon footprint. Lenovo continues to focus on making progress in the use of post-consumer recycled content plastics including closed loop and increasing the use of recycled and recyclable materials in packaging, reduction the size of packaging and expanding the use of bulk and reusable packaging solutions that all help with either avoiding emissions or reducing carbon emissions of our products. Moreover Lenovo's engagement in developing product carbon footprint tools and support given to

Chinese government in terms of developing carbon footprint standard open competitive advantage for product carbon labeling of Lenovo's products such as ThinkPad, IdeaPad, Yoga, Legion, Moto and ThinkSystem. To date Lenovo has invested in excess of \$300,000 in supporting the development of product carbon footprint standards and calculation tools and determining the carbon footprint of many of its products. It is estimated that we will continue to invest greater than \$35,000 per year in the near term.

Comment

N/A

Identifier

Opp3

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Resource efficiency

Primary climate-related opportunity driver

Use of more efficient production and distribution processes

Primary potential financial impact

Increased revenues resulting from increased production capacity

Company-specific description

As we experience extreme weather events like super storms, flash flooding and excessive droughts more often than in the past. In this environment where increasing frequency and severity of these climatic events increases the risk of supply and product transportation and distribution interruptions, Lenovo's strong presence in China in terms of manufacturing capacity and market share, provides an opportunity for pricing advantage driven by proximity to suppliers and our major market.

Time horizon

Medium-term

Likelihood

Very likely

Magnitude of impact

Medium-high

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

50716000

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Based upon FY 2019/20 earnings if action in this area resulted in 0.1% increase in sells in China, Lenovo's revenue would increase more than \$50,716,000.00 annually.

Cost to realize opportunity

0

Strategy to realize opportunity and explanation of cost calculation

Lenovo's strong presence in China, in terms of manufacturing capacity and market share, provides an opportunity for pricing advantage driven by proximity to suppliers and our major market. This proximity of manufacturing to suppliers and market also helps to mitigate the impact of increasing transportation costs driven by the increasing costs of fuel. Lenovo continues to increase its manufacturing capacity in China. We are also working with major suppliers to ensure their business interruption processes are sound and address potential threats associated with increasing frequency and severity of climatic events. These actions will help to mitigate costs associated with possible production interruption and increasing costs of transportation Our global manufacturing network is designed in a way to take into consideration of potential business emergencies and our ability to minimize and respond to such emergencies. We implement a disaster recovery program at our in-house manufacturing locations to respond to potential business interruptions from severe weather events and resultant conditions. We also partner with our insurance provider to minimize potential consequence of interruptions if/ as needed. The total costs associated with all of these activities have not been quantified.

Comment

N/A

Identifier

Opp4

Where in the value chain does the opportunity occur?

Downstream

Opportunity type

Markets

Primary climate-related opportunity driver

Access to new markets

Primary potential financial impact

Increased revenues through access to new and emerging markets

Company-specific description

External stakeholders monitor and evaluate corporate sustainability efforts including climate change programs. Lenovo recognizes opportunities associated with positive impacts of proactive climate change programs on the company's reputation. Such positive reputational influences can potentially result in increased product sells such as ThinkPad, IdeaPad, Yoga, Legion, Moto and ThinkSystem to new and emerging markets.

Time horizon

Medium-term

Likelihood

About as likely as not

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

50716000

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Based upon FY 2019/20 earnings it is estimated that the potential financial impact of positive impacts of proactive climate change programs that created a sells advantage for Lenovo products that led to a 0.1% increase in sells would increase Lenovo revenues by more than \$50,716,000.00 annually.

Cost to realize opportunity

0

Strategy to realize opportunity and explanation of cost calculation

Lenovo implemented a Climate and Energy Policy and Climate Change Strategy. We established and are progressing towards achieving a GHG emissions reduction plan as well as product and supply chain climate related targets. Around 20 energy efficiency and renewable energy projects were implemented during the past year. Purchase of renewable energy commodities was used to supplement this good work and ensure we met our reduction goals. Lenovo responds to requests for information on our climate change work directly as well as publishing regularly updated climate change information on its external website. Climate change information is also communicated in our Annual Financial and Sustainability Reports. We have our GHG inventory externally verified annually. Lenovo's sustainability/ESG efforts including proactive climate change programs were recognized by inclusion in 2019 Hang Seng Corporate Sustainability Index, 2019 Platinum Awards in Best Corporate Governance and Sustainability and Social Responsibility Reporting from the Hong Kong Institute of Certified Public Accounts or 2019 EcoVadis CSR Gold level rating. The total costs associated with all of these activities have not been quantified. The costs of external verification of our environmental data are estimated to be \$30,000 per year. We have also estimated that meeting our emissions reduction targets through the purchase of renewable energy commodities and carbon credits could cost an average between \$100,000-\$500,000 per year over the next 5 years.

Comment

N/A

Identifier

Opp5

Where in the value chain does the opportunity occur?

Downstream

Opportunity type

Products and services

Primary climate-related opportunity driver

Shift in consumer preferences

Primary potential financial impact

Increased revenues resulting from increased demand for products and services

Company-specific description

Consumers behavior has been changing - they have been interested more and more in organizations' environmental/sustainability performance including climate change activities. Lenovo sees these increased interests as opportunity to promote our climate change initiatives and carbon reduction activities. The increased demand for energy efficient products with low carbon footprint in a low carbon economy provides an opportunity for increased sells of products such as ThinkPad, IdeaPad, Yoga, Legion, Moto and ThinkSystem. Lenovo's historical and continued focus on product and operations energy efficiency provides a positive product differentiator in a regulatory environment that increasingly values these attributes.

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, a single figure estimate

Potential financial impact figure (currency)

50716000

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)

<Not Applicable>

Explanation of financial impact figure

Based upon FY 2019/20 earnings it is estimated that the potential financial impact of increased demand for energy efficient products with low carbon footprint results in a sells advantage for Lenovo products that led to a 0.1% increase in sells would increase Lenovo revenues by more than \$50,716,000.00 annually.

Cost to realize opportunity

104400000

Strategy to realize opportunity and explanation of cost calculation

Lenovo continuously monitors consumer behavior and customer requirements as inputs to our environmental and sustainability strategy and product development process. Partly based upon these inputs Lenovo continues to increase its commitment of resources to improving its performance in these areas. To support sustainable business activities, Lenovo incurs annual expenses of approximately ~\$104.4 M USD. This amount includes labor and management fees of ~\$4.1 M, non-labor expenses of ~1.1 M, climate change expenses of ~\$0.3 M, philanthropic giving/disaster relief aid of ~\$8.2 M and eco-labels and product cost adders of ~\$90.7 M.

Comment

N/A

C3. Business Strategy

C3.1

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

Yes

C3.1a

(C3.1a) Does your organization use climate-related scenario analysis to inform its strategy?

Yes, qualitative and quantitative

C3.1b

(C3.1b) Provide details of your organization's use of climate-related scenario analysis.

Climate-related scenarios and models applied	Details
2DS IEA B2DS	Lenovo assessed a path forward for our climate change targets after 2020. We reviewed and evaluated the Science Based Targets initiative's (SBTi) methodology to determine the best approach for Lenovo to support science-based reduction pathways for limiting global temperature rise. We've used 2DS (2 degrees Celsius) as well as IEA B2DS (well below 2 degrees Celsius) scenarios to evaluate our current and proposed targets after 2020. We used analytic tools provided by the Science Based Targets initiative. The inputs included target setting method as absolute contraction approach, base year 2009 vs. 2019, target year 2020 vs. 2030 and Scope 1 and 2 emissions in the base year. The results showed us Scope 1, 2 and 1+2 emissions and emissions reductions that should be achieved for 2°C scenario, well below 2°C scenario and 1.5°C degree scenario. The considered time horizon of 10-11 years is relevant to our organization as it spans over our current emissions reduction targets and is planned to be considered for next generation's climate change targets as well. The entire company, specifically its Scope 1 and 2 emissions, was considered for the scenario analysis as described above. Additionally, for Scope 3 emissions, the boundary was determined by identifying high-impact Scope 3 categories that contribute significantly to Lenovo's scope 3 portfolio in terms of size, risk, influence and stakeholders' interests. Those categories included use of sold products, purchased goods and services and upstream transportation and distribution because they represent majority of value chain emissions. During the scenario analysis exercise, we considered climate change risks (e.g. carbon regulations, reputational damage or customer behavior changes towards low carbon products) and climate change opportunities (e.g. offering product energy management features, implementing innovations such as low temperature solder technology and server warm water cooling and smart green manufacturing solutions) qualitatively with some quantitative aspects such as financial requirements for solar panels installation or purchases of renewable energy commodities over the course of targets' time horizon. The results of the analysis have provided valuable insight for our future business objectives and strategy in how to set up our next generation's climate change targets in line with the current climate change science. It helped us understand potential outcomes and pathways. The results of the analysis directly influenced our path forward after our current climate change targets which expire in 2020. Lenovo's FY 2019/20 target of submitting Lenovo's science-based targets proposal for Scope 1, 2 and 3 emissions for official evaluation by SBTi by December 31, 2019 was partially achieved. We submitted our proposal for the unofficial evaluation in November 2019 and for official validation in May 2020 when we were informed that our proposed emission reduction targets meet criterion for Scope 1, 2 and 3 ambition as defined by SBTi and are considered science based. Specifically, Scope 1 and 2 absolute emissions target exceeds the minimum ambition for 1.5°C pathway and Scope 3 intensity emissions targets exceed the ambition under the absolute contraction approach.

C3.1d

(C3.1d) 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	Yes	Lenovo products have been impacted by requirements to provide energy efficient products with low carbon footprint for almost all Lenovo's product types including ThinkPad, IdeaPad, Yoga, Legion and ThinkSystem. As identified in C2.4a opportunities with the potential to have a substantive financial or strategic impact on our business, Lenovo sees an opportunity to address the increased customers' interests in energy efficiency products with low carbon footprint. Lenovo's historical and continued focus on product energy efficiency provides a positive product differentiator in a commercial and regulatory environment that increasingly values this attribute and present opportunities in sales advantage for Lenovo's products that could spread over the whole product portfolio. The magnitude of this impact has been significant (high). Lenovo integrated this opportunity into our business strategy and planning when developing our products. Customer preference for energy efficient products with low carbon footprint and ensuring we are able to offer these products to meet customer demand has a direct impact on Lenovo's revenues. CASE STUDY: Increasing the energy efficiency and reducing the carbon footprint of Lenovo's products is ongoing business focus area. The most substantial decision made in this area to date has been that Lenovo's new products must show improved energy efficiency relative to the previous generation of the product. The energy consumption and performance of Lenovo products meet the efficiency requirements of China, Japan, the United States, Europe and other jurisdictions. Many Lenovo notebook, desktop, server and monitor products satisfy and even exceed the current ENERGY STAR® requirements. In FY 2019/20, 25 Lenovo and ThinkVision branded computer monitors were recognized for the ENERGY STAR "Most Efficient" designation. Lenovo supports the objective of reduction the carbon footprint of our products by using post-consumer recycled content (PCC) plastics and have used more than 241 million lbs of PCC overall since 2005. We have avoided of up to 125-375 million lbs of CO2 emissions. Also, Lenovo increased use of closed loop post-consumer recycled (CL-PRC) plastics from ITE devices in our products and to date, used more than 12 million lbs of CL-PCR since 2018 which supports emissions avoidance from use of prime (non-recycled) materials.
Supply chain and/or value chain	Yes	Our strategy has been influenced in two respects. First, in driving Lenovo's brand of responsible sourcing we recognize that we must take on the opportunity to lead in reducing the environmental footprint of our supplier base. This includes measuring our supplier's sustainability performance and driving our business volumes to the best performance suppliers. The time frame is now, and the journey is to improve each year. Second, as identified in C2.3a risks with the potential to have a substantive financial or strategic impact on our business, Lenovo sees a risk in our supply chain associated with the impact of sea level rise, tropical cyclones and more frequent and more severe climatic events such as severe storms and flooding. These climate changes have the potential to impact Lenovo suppliers and their ability to supply materials and product components for our products such as ThinPad, IdeaPad, Yoga, Legion, Moto or ThinkSystem. The magnitude of this impact could be significant (high) throughout Lenovo's supply chain. Lenovo considers this risk in emergency preparedness and response planning programs. Interruptions of material and product components' supply have impact on revenue when products can't be manufactured and distributed to meet customers' orders. CASE STUDY: The most substantial decisions made in this area: With respect to opportunity, we measure and improve annually what percent of our overall spend achieves environmental goals such as GHG reductions, CDP participation or renewable energy usage. Our time frame would be to get all metrics at >95% spend coverage by end of 2021. We also measure our top 100 suppliers individually on these aspects by using penalties/credits in Supplier Report Cards. With respect to the supply risk of materials and products due to severe climate changes events, we take several actions to prevent and to respond to them. In terms of prevention we actively manage sourcing to reduce single sources, suppliers are required to provide Disaster Recovery plans, supply management is a weekly supply/demand process, suppliers financial stability is tracked real-time, commodity strategies constantly are reviewing supply risks, opportunities and initiatives. In terms of reactions, we have active response teams that have proven themselves numerous times over the years whether it was floods in Thailand or earthquake in Japan.
Investment in R&D	Yes	Current and emerging regulations related to low carbon products, changing consumer behaviors towards low carbon products and as a company being perceived as not managing climate change impacts have impact on business strategy of Lenovo's research and development of innovations that improve Lenovo's products and help mitigate carbon emissions associated with manufacturing and using Lenovo products such as ThinkPad, IdeaPad, Yoga, Legion and ThinkSystem. Lenovo is constantly innovating, researching, and looking for new and better sustainable solutions for the future. The magnitude of this impact has been significant (high). Lenovo integrated this driver into our business strategy and plans when developing our products. Customer preference for energy efficient products with low carbon footprint and ensuring we are able to offer these products to meet customer demand has a direct impact on Lenovo's revenues. CASE STUDY: Below are two examples demonstrating the most substantial decisions made in this area to date : In 2017, Lenovo implemented a low temperature solder (LTS) manufacturing technology process used in Lenovo PC manufacturing operations. The LTS process reduces power consumption and carbon emissions of the printed circuit board assembly process by 35%. This innovation has been openly shared with peers and competitors via technical papers and consortium. As of June 2019, Lenovo had shipped over 4 million notebooks manufactured on LTS lines and transitioned 100 % of ThinkPad and 90% of IdeaPad notebooks to these processes. We're also expanding this technology to more parts, including the main board planar cards, memory, wireless, fingerprint cards, SSD and camera lines. In February 2018, Lenovo introduced the ThinkSystem SD650 high-density server. Nearly 6,500 ThinkSystem SD650s were deployed at the Leibniz Supercomputing Centre (LRZ) in Munich, Germany to become the SuperMUC-NG supercomputer. The direct warm water-cooling design of Lenovo's ThinkSystem SD650 servers enables 85-90 % heat recovery to reduce energy consumption by 30- 50%. In the summer of 2018 Lenovo introduced "Neptune," a holistic view of liquid cooling for all data centers, not just the SuperMUC's of the world. Lenovo's Neptune™ technology utilizes liquid-based cooling in data center products but has potential for applications elsewhere in IT.
Operations	Yes	Lenovo operations have been impacted by identified risks associated with an increase in the number and/or the intensity weather events such as tropical cyclones. The location of some of Lenovo's facilities exposes them to the potential transportation, utilities and service interruptions that are associated with these changes. The magnitude of this impact has been localized (low) but could be global (high); therefore, Lenovo manages this risk through a robust emergency preparedness and response planning program including adequate insurance policy to protect our employees, customers, assets and investors. Lenovo realizes that reviews and updates of our emergency preparedness and business interruption strategies, programs and procedures have been impacted by severe weather events. Lenovo operational costs as well as Lenovo's property and assets have been impacted by increase in the number and/or the intensity weather events such as tropical cyclones. CASE STUDY: Lenovo's crisis management and emergency response program includes requirements related to natural disasters and interruptions due to intense weather events. This includes requirements for teams such as facilities, security and crisis management to monitor weather, conduct emergency response drills and perform training periodically. The emergency response teams respond to on-site emergency events as requested. Specifically, to our manufacturing sites, we conduct emergency preparedness drill twice a year in Chengdu, Hefei, Huiyang, Shenzhen, Wuhan plants in China, NEC PC plants in Japan and Pondicherry plant in India. The scenarios around extreme weather events such as tropical cyclones or typhoons with flooding aftermaths are a few examples that are used for these desk-top exercises. Our manufacturing plant in Indaiatuba, Brazil assesses business continuity risks annually and considers them in their emergency procedures (e.g. drill related to tornadoes or power outage caused by severe storms). Natural disasters such as storms, hurricanes, floods and tornadoes are considered in the emergency response plan and continuity plan documents at our manufacturing site in Monterrey, Mexico. The manufacturing site in Whitsett, North Carolina considers winter snow and ice storms in addition to hurricanes, tornadoes and earthquakes.

C3.1e

(C3.1e) 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	Revenues Indirect costs Access to capital	<p>1. REVENUES: As identified in C2.4a opportunities with the potential to have a substantive financial or strategic impact on our business, customer preference for energy efficient products with low carbon footprint and ensuring we are able to offer these products to meet customer demand has a direct impact on Lenovo's revenues. We believe this is a top environmental concern of our customers, so this has significant potential impact on our revenue (high magnitude of impact). Our data center business will be an important future revenue driver for Lenovo. These customers in particular are interested in energy efficient products such as ThinkSystem servers. Time horizon: Ongoing. 2. INDIRECT (OPERATING) COSTS: Lenovo operations and related operational costs have been impacted by identified risks associated with an increase in the number and/or the intensity weather events such as tropical cyclones. The location of some of Lenovo's facilities exposes them to the potential transportation, utilities and service interruptions that are associated with these changes (e.g. power outages in our sites in India and Brazil). The magnitude of this impact has been localized (low) but can be global (high); therefore, Lenovo manages this risk through a robust emergency and preparedness and response planning program including adequate insurance policy to protect our employees, customers, assets and investors. Time horizon: Ongoing. Potential carbon taxes and emission trading schemes such as pilot Beijing ETS as identified in C2.3a risks with the potential to have a substantive financial and strategic impact on our business will directly impact Lenovo's operational costs, in particular our facility operational expenses and global logistics expenses. The magnitude of this impact is dependent on global macroeconomic factors but could be significant (high). Time horizon: Past few years and near future. 3. ACCESS TO CAPITAL: Reputation is an important factor in our ability to access capital. Many external analysts and investors consider Lenovo's performance in environmental, social and governance areas and climate change specifically as part of their assessment of Lenovo's overall value and strengths. This is significant within certain investor communities. We believe that this risk has a potential to have high financial implications and we expect it will increase over time. Time horizon: Ongoing. External stakeholders monitor and evaluate corporate sustainability efforts including climate change programs. Lenovo recognizes risks as well as opportunities associated with positive or negative impacts of having or not having robust climate change programs on the company's reputation. The magnitude of this impact has been positive in terms of increased demand for Lenovo's products that directly impacts our revenue (opportunity) but could also be negative in terms of reduced demand for Lenovo' products and reduction in our ability to access capital if our climate change programs are not considered robust enough (risks). Both were identified in C2.3a and C2.4a as risks and opportunities with the potential to have a substantive financial or strategic impact on our business. Time horizon: Ongoing. OVERREACHING CASE STUDY: Lenovo continues to invest in green manufacturing through exploring innovative technology and solutions to address climate-related risks and opportunities that Lenovo faces. Moving towards green smart manufacturing is crucial in transition to a low carbon economy. This ongoing shift is influencing financial planning elements such as revenue, indirect (operating) costs or access to capital. In November 2019, Lenovo announced a strategic partnership with Schneider Electric to develop smart green manufacturing solutions for the Chinese manufacturing sector. The partnership will promote digital innovation with Lenovo's Industrial Internet of Things LeapIOT solution and Schneider Electric's smart green manufacturing solution based on EcoStruxure. The combination will build a blueprint that can provide smart manufacturing solutions to discrete and hybrid manufacturing operations in various industries. In particular, the focus will include A.I. algorithms and big data as it relates to efficiency management, predictive maintenance, production quality, and other industrial applications to enable smart green manufacturing further.</p>

C3.1f

(C3.1f) Provide any additional information on how climate-related risks and opportunities have influenced your strategy and financial planning (optional).

A core element of Lenovo's business management strategy is a commitment to environmental leadership. In light of this commitment the impacts of, and increasing interest in, climate change influences our environmental and overall business strategy. Our Environmental Management System (EMS) is an integral part of our business management system and establishes the framework from which we develop environmental strategy, objectives and targets and link to our global business strategy. Within the framework of our EMS, energy consumption, the associated GHG emissions and the resulting climate change impacts have been identified as significant environmental aspects and impacts for the company. We've adapted our business strategy to address the issues and challenges arising from these aspects by linking our emissions reduction targets to our business strategy through our Climate and Energy Policy, comprehensive Climate Change Strategy and corporate-wide Climate Change Objectives and Targets including absolute GHG emissions reductions and renewable energy sourcing targets.

We've developed our strategy to address climate change considerations including: customer demand for energy efficient products, lower product carbon footprints, energy efficient partners and supply chains; competitor commitments and accomplishments; employee and management concerns about climate change and corporate responsibility; emerging governmental and other stakeholder focus on climate change; our Board of Directors level commitments and risk management around energy pricing driving a transition to renewable energy resources.

Our business strategy to provide energy efficient products, drive energy efficiency in our operations, mitigate our carbon footprint and increase our solar installations is directly linked to these considerations. This strategy will help us respond to customer requirements, prepare for new carbon labeling and tax laws and respond to new regulations, protect our reputation and adapt to severe weather events and their impact on our operations and our supply chain.

Climate-related risks and opportunities have influenced Lenovo's strategy in the products, supply chain, investment in R&D and operations areas as described in C3.1d and financial planning via elements such as revenue, indirect (operational) costs and access to capital as described in C3.1e. Lenovo is also creating value over time by the following social investment and product/technology offerings for mitigating and adapting to climate change:

1. Lenovo's products and technology are helping scientists to measure and adapt to climate change via climate research and weather forecasting. Examples include identification of agricultural areas and crops that will be affected by climate change, such as floods or droughts; prediction of the future effects of flooding to plan to keep communities safe as weather trends change and flooding gets more severe and frequent or weather forecasting to help people prepare for typhoons and severe weather events and provide adequate warnings to when catastrophic weather strikes.

2. Lenovo's social investment via global disaster assistance program helps to address increased need to prepare and adapt to natural disaster and crises related to climate change severity. Lenovo developed a matrixed process in order to consistently respond to natural disasters based on impact and local alignment. The high-level contributions to Lenovo's disaster response in FY 2019/20 included flash flooding in Indonesia, wildfires in Australia and California and hurricane Dorian aftermaths in the Bahamas and US. Additionally, Lenovo donated to America Red Cross's Red Cross View software to help the Red Cross ensure shelters and resources are allocated in the right locations before a storm strikes and to Save the Children designated to women and children impacted by natural disasters.

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

2010

Target coverage

Company-wide

Scope(s) (or Scope 3 category)

Scope 1+2 (market-based)

Base year

2010

Covered emissions in base year (metric tons CO2e)

269413.96

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 (%)

40

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

161648.376

Covered emissions in reporting year (metric tons CO2e)

31617.88

% of target achieved [auto-calculated]

220.660503264196

Target status in reporting year

Achieved

Is this a science-based target?

No, but we are reporting another target that is science-based

Please explain (including target coverage)

This is an adjusted, more aggressive target announced on April 1, 2015 that replaced our separate absolute targets for Scope 1 and Scope 2. Lenovo's emission reduction target is: Reduce Lenovo's global Scope 1 + Scope 2 GHG emissions by 40% by March 31, 2020, relative to FY 2009/10 (April 1, 2009 to March 31, 2010). This target may be accomplished through energy efficiency, installation of onsite renewable generation, entry into power purchase agreements (PPA) with power providers and/or the purchase of renewable energy commodities.

Target reference number

Abs 2

Year target was set

2020

Target coverage

Company-wide

Scope(s) (or Scope 3 category)

Scope 1+2 (market-based)

Base year

2019

Covered emissions in base year (metric tons CO2e)

32060.23

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

100

Target year

2030

Targeted reduction from base year (%)

50

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

16030.115

Covered emissions in reporting year (metric tons CO2e)

31617.88

% of target achieved [auto-calculated]

2.75949361561036

Target status in reporting year

New

Is this a science-based target?

Yes, this target has been approved as science-based by the Science-Based Targets initiative

Please explain (including target coverage)

This target covers Lenovo-wide Scope 1 and 2 (market-based) emissions. The base and target years are based on Lenovo's fiscal years, so we entered the year that applies to the end of the fiscal year, 2019 for FY 2018/19 and 2030 for FY 2029/30. Lenovo also developed intensity targets for three Scope 3 categories (use of sold products, purchased goods and services and upstream transportation and distribution). All those have been approved as science-based by the Science Based Targets initiative on June 30, 2020. Lenovo's approved targets are listed on the Science Based Targets website as follows: "Lenovo commits to reduce absolute scope 1 and 2 GHG emissions 50% by FY 2029/30 from a FY 2018/19 base year. Lenovo commits to reduce scope 3 GHG emissions from use of sold products 25% per comparable product (for notebooks, desktops and servers) by FY 2029/30 from a FY 2018/19 base year. Lenovo also commits to reduce scope 3 GHG emissions from purchased goods and services 25% per million US\$ procurement spend, and from upstream transportation and distribution 25% per tonne-km of transported product over the same period." The Science Based Targets initiative informed us that Lenovo's scope 1 and 2 portion of our targets are aligned with a 1.5°C pathway. The ambition of Lenovo's scope 3 targets has been assessed through the target validation process and deemed as ambitious, although they are not currently classified.

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

Company-wide

Target type: absolute or intensity

Absolute

Target type: energy carrier

All energy carriers

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

66.58

Target year

2020

Figure or percentage in target year

69.63

Figure or percentage in reporting year

69.63

% of target achieved [auto-calculated]

100

Target status in reporting year

Achieved

Is this target part of an emissions target?

Yes, it is related to Abs 1 and Abs 2. If we use more energy from renewable sources, we will use less energy from non-renewable sources which decrease our overall emissions

Is this target part of an overarching initiative?

No, it's not part of an overarching initiative

Please explain (including target coverage)

This target is related to achievement of a year-to-year increase in the percentage of energy purchased from renewable generation sources globally, relative to the previous fiscal year (we reported this year-to year target last year in C4.2 and are reporting progress against it this year). The base and target years are based on Lenovo's fiscal years, so we entered the year that applies to the end of the fiscal year, 2019 for FY 2018/19 and 2020 for FY 2019/20. This goal may be accomplished through installation of onsite renewable energy generation, entry into power purchase agreements (PPA) with power providers and /or the purchase of renewable energy commodities. This EMS target says that we can accomplish it by a combination of means mentioned in the above paragraph, we achieved it by accounting for our solar installations and renewable electricity purchases such as Renewable Energy Credits, International Renewable Energy Credits and Guarantees of Origin.

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

Company-wide

Target type: absolute or intensity

Absolute

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

Engagement with suppliers	Percentage of suppliers setting emissions reduction targets
---------------------------	-------------------------------------------------------------

Target denominator (intensity targets only)

<Not Applicable>

Base year

2019

Figure or percentage in base year

88

Target year

2020

Figure or percentage in target year

91

Figure or percentage in reporting year

91

% of target achieved [auto-calculated]

100

Target status in reporting year

Achieved

Is this target part of an emissions target?

No, this target is not part of an emission reduction target reported in C4.1a or C4.2a. This is a supplier engagement target related to suppliers' climate change reduction targets.

Is this target part of an overarching initiative?

No, it's not part of an overarching initiative

Please explain (including target coverage)

This target is related to requirement of climate change reduction targets for Lenovo direct suppliers based on procurement spend. It is part of a wider supplier goal to engage with suppliers on their emission reduction activities.

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	8	
To be implemented*	2	2917
Implementation commenced*	2	1483
Implemented*	18	8468
Not to be implemented	0	

C4.3b

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

Initiative category & Initiative type

Energy efficiency in buildings	Lighting
--------------------------------	----------

Estimated annual CO2e savings (metric tonnes CO2e)

205

Scope(s)

Scope 2 (location-based)

Voluntary/Mandatory

Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

63420

Investment required (unit currency – as specified in C0.4)

257987

Payback period

1-3 years

Estimated lifetime of the initiative

3-5 years

Comment

It is assumed that the annual CO2e savings are higher than reported in the related column due to estimation and extrapolation.

Initiative category & Initiative type

Energy efficiency in buildings	Heating, Ventilation and Air Conditioning (HVAC)
--------------------------------	--------------------------------------------------

Estimated annual CO2e savings (metric tonnes CO2e)

149

Scope(s)

Scope 1

Scope 2 (location-based)

Voluntary/Mandatory

Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

38990

Investment required (unit currency – as specified in C0.4)

76921

Payback period

1-3 years

Estimated lifetime of the initiative

6-10 years

Comment

It is assumed that the annual CO2e savings are higher than reported in the related column due to estimation and extrapolation.

Initiative category & Initiative type

Energy efficiency in buildings	Building Energy Management Systems (BEMS)
--------------------------------	-------------------------------------------

Estimated annual CO2e savings (metric tonnes CO2e)

27

Scope(s)

Scope 2 (location-based)

Voluntary/Mandatory

Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

5600

Investment required (unit currency – as specified in C0.4)

2000

Payback period

<1 year

Estimated lifetime of the initiative

3-5 years

Comment

It is assumed that the annual CO2e savings are higher than reported in the related column due to estimation and extrapolation.

Initiative category & Initiative type

Low-carbon energy generation	Solar PV
------------------------------	----------

Estimated annual CO2e savings (metric tonnes CO2e)

4012

Scope(s)

Scope 2 (location-based)
Scope 2 (market-based)

Voluntary/Mandatory

Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

93401

Investment required (unit currency – as specified in C0.4)

0

Payback period

<1 year

Estimated lifetime of the initiative

21-30 years

Comment

It is assumed that the annual CO2e savings are higher than reported in the related column due to estimation and extrapolation.

Initiative category & Initiative type

Other, please specify	Other, please specify (Implemented energy efficiency for worldwide facility and operations via consolidation of operations between existing and newly acquired sites globally.)
-----------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Estimated annual CO2e savings (metric tonnes CO2e)

2370

Scope(s)

Scope 1
Scope 2 (location-based)

Voluntary/Mandatory

Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

0

Investment required (unit currency – as specified in C0.4)

0

Payback period

<1 year

Estimated lifetime of the initiative

Ongoing

Comment

Currently we don't have access to data on monetary savings, investment and payback period (data not available yet). We might be able to complete these data points in the future. We expect monetary savings to be significant.

Initiative category & Initiative type

Low-carbon energy consumption	Wind
-------------------------------	------

Estimated annual CO2e savings (metric tonnes CO2e)

1677

Scope(s)

Scope 2 (market-based)

Voluntary/Mandatory

Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

0

Investment required (unit currency – as specified in C0.4)

7146

Payback period

1-3 years

Estimated lifetime of the initiative

<1 year

Comment

Purchased renewable energy in a form of energy attribute certificate, I-RECs for our operations in Brazil, India and Mexico. We increased our amount of low carbon energy purchased on a year to year basis from 12,390 MWh to 16,652 MWh of I-RECs in Brazil, India and Mexico. These renewable commodities were retired on behalf of our

company.

Initiative category & Initiative type

Low-carbon energy consumption	Hydropower
-------------------------------	------------

Estimated annual CO2e savings (metric tonnes CO2e)

28

Scope(s)

Scope 2 (market-based)

Voluntary/Mandatory

Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

0

Investment required (unit currency – as specified in C0.4)

108

Payback period

1-3 years

Estimated lifetime of the initiative

<1 year

Comment

Purchased renewable energy in a form of energy attribute certificate, GO for our operations in Germany. We increased our amount of low carbon energy purchased on a year to year basis from 2,334 MWh to 2,400 MWh of I-RECs in Germany. These renewable commodities were retired on behalf of our company.

C4.3c

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

Method	Comment
Compliance with regulatory requirements/standards	Lenovo has budgeted for having access to an online tracking tool for regulatory requirements/standards related to GHG, climate, change and product carbon footprint (FY 2019/2020).
Dedicated budget for energy efficiency	Lenovo has budgeted for energy efficiency studies and projects at manufacturing locations and real estate sites (FY 2019/2020).
Dedicated budget for other emissions reduction activities	Lenovo has budgeted for the purchase of renewable energy commodities and carbon offsets (FY 2019/2020).
Other (Support development of GHG emission methodologies and tools)	Lenovo has budgeted for participation in, and support of, the development of GHG emissions calculation methodologies and tools (FY 2019/2020).
Other (Climate change and energy efficiency education)	Lenovo has budgeted for external education (training) and engagement on climate change and energy efficiency (FY 2019/2020).

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?

Yes

C4.5a

(C4.5a) Provide details of your products and/or services that you classify as low-carbon products or that enable a third party to avoid GHG emissions.

Level of aggregation

Group of products

Description of product/Group of products

Energy efficiency is a targeted attribute of the Lenovo product development process. Improvements in product energy efficiency are consistently part of our key environmental objectives and targets. We realize this opportunity of our strong product energy efficiency with lower emission footprint and offer a full complement of ENERGY STAR® qualified products. These products demonstrate higher energy efficiency resulting in less GHG emissions compared to non- ENERGY STAR® certified products. This year Lenovo offered ENERGY STAR® qualified notebooks (~93% of all notebook platforms), desktops (~97% of all desktop platforms), workstations (~90% of all workstation platform), monitors (~94% of all monitors), and servers (~94% of all server platforms).

Are these low-carbon product(s) or do they enable avoided emissions?

Avoided emissions

Taxonomy, project or methodology used to classify product(s) as low-carbon or to calculate avoided emissions

Other, please specify (Product carbon footprint analysis)

% revenue from low carbon product(s) in the reporting year

85

% of total portfolio value

<Not Applicable>

Asset classes/ product types

<Not Applicable>

Comment

We estimated that 85% revenue could be attributed to products that helped avoid emissions. The products with ENERGY STAR® certification (notebooks, desktops, workstations, monitors and servers) shipped in FY 2019/20 as a share of Lenovo's total revenue were used for estimating this percentage value.

C5. Emissions methodology

C5.1

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

Scope 1

Base year start

April 1 2009

Base year end

March 31 2010

Base year emissions (metric tons CO2e)

14460.24

Comment

Scope 2 (location-based)

Base year start

April 1 2009

Base year end

March 31 2010

Base year emissions (metric tons CO2e)

254953.73

Comment

Base year's scope 2 total is the same for location and market-based method as product and supplier-specific market-based data was not available in the base year so the location-based results has been used as a proxy for the market-based method.

Scope 2 (market-based)

Base year start

April 1 2009

Base year end

March 31 2010

Base year emissions (metric tons CO2e)

254953.73

Comment

Base year's scope 2 total is the same for location and market-based method as product and supplier-specific market-based data was not available in the base year so the location-based results has been used as a proxy for the market-based method.

C5.2

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

ISO 14064-1

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

Other, please specify (The GHG Protocol Guidance)

C5.2a

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

The Greenhouse Gas Protocol: Required Greenhouse Gases in Inventories (Accounting and Reporting Standard Amendment), February 2013

The Greenhouse Gas Protocol: Scope 2 Guidance (An Amendment to the GHG Protocol Corporate Standard), January 2015

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)

7766

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

162597

Scope 2, market-based (if applicable)

23852

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) 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

2341000

Emissions calculation methodology

i. Activity data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO₂e allocated emissions. The emission factors and GWP values were embedded in suppliers' reports. ii. Lenovo believes that data quality of reported emissions falls in a range of reasonable materiality (+/- 5%). This Scope 3 category was externally verified by an independent third party. iii. The suppliers' emissions were allocated based on the economic factor - revenue - as follows - allocated supplier emissions = supplier scope 1 and scope 2 emissions * (Lenovo's spend with the supplier / supplier's revenue). The following assumptions and uncertainties were taken into account: combination of different reporting periods (always 12 months though), combination of different reporting sources, combination of GHG categorization, revenues vs. net sales, conversions of different currencies, companies' definition of corporate level vs. subsidiaries vs. individual facilities. The Greenhouse Gas Protocol: The Corporate Value Chain (Scope 3) Accounting and Reporting Standard was used for guidance and calculations of the purchased goods and services category.

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

93

Please explain**Capital goods****Evaluation status**

Relevant, calculated

Metric tonnes CO₂e

446500

Emissions calculation methodology

i. Emissions from capital goods were estimated based on capital goods purchased in FY 2019/20. All capital goods were converted to the common currency unit and categorized to align Lenovo asset classes with UNSPSC codes and SIC codes. ii. Lenovo believes that data quality of reported emissions falls in a range of reasonable materiality (+/- 5%). This Scope 3 category was externally verified by an independent third party. iii. The capital goods emissions were calculated as follows - capital good purchase in USD * emission factors for different type of capital goods taken from 2012 Guidelines to Defra GHG Conversion Factors for Company Reporting, Annex 13 adjusted for inflation rate and exchange rate. The following assumptions and uncertainties were taken into account: not exactly same description for Lenovo asset classes and industry codes, average inflation rate and average exchange rate. The Greenhouse Gas Protocol: The Corporate Value Chain (Scope 3) Accounting and Reporting Standard was used for guidance and calculations of the capital goods category.

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

0

Please explain**Fuel-and-energy-related activities (not included in Scope 1 or 2)****Evaluation status**

Relevant, calculated

Metric tonnes CO₂e

10385

Emissions calculation methodology

i. Except transmission and distribution (T and D) losses, all fuel and energy related activities are included in Lenovo's Scope 1 and Scope 2 emissions. Location-based Scope 2 total was used as the basis for calculating this Scope 3 category. Lenovo's worldwide electricity and natural gas consumption was used as source data for calculating emissions from T and D losses. The emissions factors for electricity and stationary combustion found in IEA, eGRID, China energy statistics book and CO₂ emissions embodied in inter-provincial electricity transmission study; electricity T and D loss rates by country listed in a World Bank database (International Energy Agency, Energy Statistics and Balances for Non-OECD and OECD countries for 2010) and Energy Star Performance Rating (Table 1 - Source-Site Ratios for all Portfolio Manager Fuels) for natural gas were used for the following calculations: electricity - electricity consumed (kWh) x electricity life cycle emission factor ((kg CO₂e)/kWh) x T and D loss rate (%) and natural gas - natural gas (kWh) x natural gas emission factor (kg CO₂e/kWh) x T and D loss rate (%). ii. Lenovo believes that data quality of reported emissions falls in a range of reasonable materiality (+/- 5%). This Scope 3 category was externally verified by an independent third party. iii. The electricity T and D loss rates for manufacturing and research and development sites in Brazil, China, Germany, India, Japan, Mexico, Taiwan and United States were used. For the Lenovo's offices worldwide, the T and D loss rate was assumed to be an average of rates for used countries. The natural gas T and D loss rate from the Energy Star document (US-based average) was used for global natural gas usage, assuming the average applies to the rest of the countries. The Greenhouse Gas Protocol: The Corporate Value Chain (Scope 3) Accounting and Reporting Standard was used for guidance and calculations of T and D losses.

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

0

Please explain

Upstream transportation and distribution

Evaluation status

Relevant, calculated

Metric tonnes CO2e

716384

Emissions calculation methodology

i. Emissions from product transportation were estimated based on the shipment data received from key Lenovo's carriers which represented 63% of worldwide global logistics spend. The following calculation formula was used - chargeable weight (shipment weight and shipment volume) * distance (origin, destination, route information) * emission factor per transport mode (container size, container type, carrier if available). The emission factors were obtained from Network for Transport and Environment (air), BSR Clean Cargo Working Group (ocean), HBEFA - Handbook Emission Factors for Road Transport (road) and EcoTransit for energy consumption rail type in combination with direct emission factors for fuel combustion from International Energy Agency (rail). ii. Lenovo believes that data quality of reported emissions falls in a range of reasonable materiality (+/- 5%). This Scope 3 category was externally verified by an independent third party. iii. Lenovo used EcoTransIT carbon dashboard for calculating emissions from upstream transportation and distribution. International air, ocean and rail transport were included along with domestic transport in China (road and rail).

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

63

Please explain

Waste generated in operations

Evaluation status

Relevant, calculated

Metric tonnes CO2e

2110

Emissions calculation methodology

i. The generated waste included non-hazardous waste, hazardous waste and waste water from all Lenovo's manufacturing, research and development locations and some large offices. No product waste was included. The waste-type specific method described in The Greenhouse Gas Protocol: Technical Guidance for Calculating Scope 3 Emissions was used for estimating CO2e emissions - waste produced * waste type and waste treatment specific emission factor. The emission factors for non-hazardous waste were found in the EPA Report (2006): Solid Waste Management and Greenhouse Gases - A Life-Cycle Assessment of Emissions and Sinks and the emission factors for hazardous waste and waste water were found in the Ecoinvent Database. ii. Lenovo believes that data quality of reported emissions falls in a range of reasonable materiality (+/- 5%). This Scope 3 category was externally verified by an independent third party. iii. The Greenhouse Gas Protocol: Corporate Value Chain (Scope 3) Accounting and Reporting Standard and Technical Guidance for Calculating Scope 3 Emissions were used for guidance and calculating emissions from waste generated in operations.

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

0

Please explain

Business travel

Evaluation status

Relevant, calculated

Metric tonnes CO2e

46900

Emissions calculation methodology

i. Lenovo's business travel consisted of two parts: (1) travel agencies CO2e emissions report for air travel of Lenovo's employees and (2) miles travelled by Lenovo's employees in rented cars and associated CO2e emissions provided by a car renting agency. ii. Lenovo believes that data quality of reported emissions falls in a range of reasonable materiality (+/- 5%). This Scope 3 category was externally verified by an independent third party. iii. Methodologies used by the travel agencies were based on DEFRA data source, CORINAR methodology and other proprietary accounting methods. Guidance from World Resource Institute, the GHG Protocol tool for mobile combustion was used for calculating emissions from miles travelled in rented cars (using published carbon emission factors).

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

100

Please explain

Employee commuting

Evaluation status

Relevant, calculated

Metric tonnes CO2e

24900

Emissions calculation methodology

i. Lenovo conducted a worldwide employee survey in April 2020 and received 8.6% response rate. Based on employees' responses and their extrapolation, the CO2e emissions were estimated. The following data was collected through a survey: region in which employee worked, average distance travelled by employees per day, average number of days per week employee worked in the last fiscal year, average number of days per year employee worked in the last fiscal year, most frequent mode of transport used for commuting, second mode of transport if more than one mode used, fuel type and vehicle type if applicable. The employee commuting company-specific method described in The Greenhouse Gas Protocol: Technical Guidance for Calculating Scope 3 Emissions was used for estimating CO2e emissions --> total distance travelled by vehicle type * vehicle specific emission factors. The GHG Protocol tool for mobile combustion. Version 2.6, was used for calculating emissions from miles travelled by vehicle type (emission factors embedded in the tool). ii. Lenovo believes that data quality of reported emissions falls in a range of reasonable materiality (+/- 5%). This Scope 3 category was externally verified by an independent third party. iii. The Greenhouse Gas Protocol: Corporate Value Chain (Scope 3) Accounting and Reporting Standard and Technical Guidance for Calculating Scope 3 Emissions were used for guidance and calculating emissions from employee commuting.

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

8.6

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

Lenovo believes that we captured emissions data for upstream leased assets in either Scope 1 or Scope 2 or in other Scope 3 categories.

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

Lenovo evaluated downstream transportation and distribution and determined that it is not significant because most of transportation and distribution can be classified as upstream (paid by Lenovo).

Processing of sold products

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

Lenovo's products are not normally used for processing by other companies. Lenovo sells final products that are finished goods such as PC machines, servers or mobile devices.

Use of sold products

Evaluation status

Relevant, calculated

Metric tonnes CO2e

13669000

Emissions calculation methodology

i, ii, iii. Lenovo is engaged with other members of the information and communication technology (ICT) industry and academia in the development of a tool to simplify and expedite determination of the PCF for ICT products through the Product Attribute Impact Algorithm (PAIA) project. Lenovo used the current PAIA notebook, desktop, monitor, tablet, all-in-one, thin client and server tool for calculating emissions of Lenovo's typical notebook, desktop, monitor, tablet, all-in-one, thin client and server. The calculated results show emissions distribution by different parts and also for use, packaging, transportation and end of life treatment categories. The emissions associated with use of sold products were estimated on a "narrow" baseline for the typical notebook, desktop, monitor, tablet, all-in-one, thin client and server multiplied by sold/shipped product volumes.

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

0

Please explain

End of life treatment of sold products

Evaluation status

Relevant, calculated

Metric tonnes CO2e

274000

Emissions calculation methodology

i, ii, iii. Lenovo is engaged with other members of the information and communication technology (ICT) industry and academia in the development of a tool to simplify and expedite determination of the PCF for ICT products through the Product Attribute Impact Algorithm (PAIA) project. Lenovo used the current PAIA notebook, desktop, monitor, tablet, all-in-one, thin client and server tool for calculating emissions of Lenovo's typical notebook, desktop, monitor, tablet, all-in-one, thin client and server. The calculated results show emissions distribution by different parts and also for use, packaging, transportation and end of life treatment categories. The emissions associated with end of life treatment of sold products were estimated on a "narrow" baseline for the typical notebook, desktop, monitor, tablet, all-in-one, thin client and server multiplied by sold/shipped product volumes.

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

0

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

Lenovo believes that we captured emissions data for upstream leased assets in either Scope 1 or Scope 2 or in other Scope 3 categories.

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

Currently Lenovo doesn't engage in the franchises model of operations.

Investments

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

Lenovo doesn't practice investment activities as financial investment firms.

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

0.00000336

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

170363

Metric denominator

unit total revenue

Metric denominator: Unit total

50716000000

Scope 2 figure used

Location-based

% change from previous year

17.32

Direction of change

Decreased

Reason for change

The overall intensity figure decreased due to emissions reduction activities such as implementation of energy efficiency projects, installation of solar panels and consolidation of operations.

Intensity figure

2.65

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

170363

Metric denominator

full time equivalent (FTE) employee

Metric denominator: Unit total

64370

Scope 2 figure used

Location-based

% change from previous year

27.22

Direction of change

Decreased

Reason for change

The overall intensity figure decreased due to emissions reduction activities such as implementation of energy efficiency projects, installation of solar panels and consolidation of operations.

Intensity figure

0.00251

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

170363

Metric denominator

unit of production

Metric denominator: Unit total

67918120

Scope 2 figure used

Location-based

% change from previous year

21

Direction of change

Decreased

Reason for change

The overall intensity figure decreased due to emissions reduction activities such as implementation of energy efficiency projects, installation of solar panels and consolidation of operations.

Intensity figure

0.0884

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

170363

Metric denominator

square meter

Metric denominator: Unit total

1927983

Scope 2 figure used

Location-based

% change from previous year

20.22

Direction of change

Decreased

Reason for change

The overall intensity figure decreased due to emissions reduction activities such as implementation of energy efficiency projects, installation of solar panels and consolidation of operations.

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	6254.46	IPCC Second Assessment Report (SAR - 100 year)
CH4	11.68	IPCC Second Assessment Report (SAR - 100 year)
N2O	4.92	IPCC Second Assessment Report (SAR - 100 year)
HFCs	1494.86	IPCC Second Assessment Report (SAR - 100 year)
PFCs	0	IPCC Second Assessment Report (SAR - 100 year)
SF6	0	IPCC Second Assessment Report (SAR - 100 year)
NF3	0	IPCC Second Assessment Report (SAR - 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)
Brazil	340.03
China	3189.8
Germany	652
India	84.29
Japan	190.81
Mexico	624.65
Taiwan, Greater China	0
United States of America	2484.23
Other, please specify (Rest of World) <i>Rest of World includes Lenovo's office sites worldwide (small and large - except offices in listed regions).</i>	200.11

C7.3

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

- By business division
- By activity

C7.3a

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

Business division	Scope 1 emissions (metric ton CO2e)
IDG-PCSD (Intelligent Devices Group-PC and Smart Devices)	6135.08
IDG-MBG (Intelligent Devices Group-Mobile Business Group, including Motorola Mobility LLC (Motorola))	776.59
DCG (Data Center Group)	854.25

C7.3c

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

Activity	Scope 1 emissions (metric tons CO2e)
Stationary Combustion	6049.87
Mobile Combustion	221.19
Fugitive Emissions	1494.86

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)
Brazil	1566.27	1098.67	13398.41	4000
China	124336.27	7215.72	194909.01	171686.49
Germany	1612.29	1056.44	3849.79	2400
India	2914.44	1107.19	4031.6	2500
Japan	5753.75	5753.75	10972.06	0
Mexico	5029.25	169.61	10506.05	10151.74
Taiwan, Greater China	2090.95	2090.95	3339.11	0
United States of America	15219.91	497.11	38893.08	37500
Other, please specify (Rest of World) <i>Rest of World includes Lenovo's office sites worldwide (small and large - except offices in listed regions).</i>	4073.92	4862.52	12746.06	0

C7.6

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

By business division

By activity

C7.6a

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

Business division	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
IDG-PCSD (Intelligent Devices Group-PC and Smart Devices)	128451.68	
IDG-MBG (Intelligent Devices Group-Mobile Business Group, including Motorola Mobility LLC (Motorola))	16259.71	
DCG (Data Center Group)	17885.68	

C7.6c

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

Activity	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
Manufacturing	77838.4	
Research and Development	71890.48	
Large Offices	9356.37	
Small Offices	3464.68	
Retail Stores	47.14	

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?

Decreased

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	1704	Decreased	0.8	Lenovo voluntarily purchased renewable energy in a form of energy attribute certificate, I-RECs for our operations in Brazil, India and Mexico and GOs for our operations in Germany. We increased our amount of low carbon energy purchased on a year to year basis from 14,724 MWh to 19,052 MWh of I-RECs in Brazil, India and Mexico and GOs in Germany. During the reporting year approximately 1,704 MT of CO2e were reduced by purchasing renewable energy in a form of those additional I-RECs and GOs, our total scope 1 and scope 2 emissions in the previous year were 207,352 MT of CO2e, therefore we arrived at 0.8% through $(1,704/207,352)*100=0.8\%$.
Other emissions reduction activities	6763	Decreased	3.2	(1) Energy reductions projects: Lenovo implemented 16 new energy-efficiency projects that contributed to the GHG reduction. As an example, lightning replacement and upgrade, air compressors improvement, HVAC upgrade, retro commissioning and related to solar projects. During the reporting year approximately 4,393 MT of CO2e were reduced by our emissions reduction projects, our total scope 1 and scope 2 emissions in the previous year were 207,352 MT of CO2e, therefore we arrived at 2.1% through $(4,393/207,352)*100=2.1\%$. (2) Energy efficiency from facility and operations consolidation: During the reporting year Lenovo consolidated operations between existing and newly acquired sites. During the reporting year approximately 2,370 MT of CO2e were reduced from operations consolidation, our total scope 1 and scope 2 emissions in the previous year were 207,352 MT of CO2e, therefore we arrived at 1.1% through $(2,370/207,352)*100=1.1\%$.
Divestment		<Not Applicable >		
Acquisitions		<Not Applicable >		
Mergers		<Not Applicable >		
Change in output	3852	Increased	1.8	Lenovo experienced organic growth - the overall production increased from approximately 65.3 to 67.9 million units. Lenovo's emissions from manufacturing increased by approximately 3,852 MT of CO2e, representing approximately 1.8 % of our total scope 1 and scope 2 emissions in the previous year – 207,352 MT CO2e ... $(3,852/207,352)*100=1.8\%$.
Change in methodology	32370	Decreased	15.6	Lenovo started using newly available Chinese provinces' emission factors released in the "CO2 Emissions Embodied in Interprovincial Electricity Transmissions in China" academic research paper. This paper was published in Environmental Science & Technology journal. All papers published in this journal are written by experts and reviewed by other independent experts in the field to ensure the article's quality and data correctness. According to Environmental Science & Technology, "CO2 Emissions Embodied in Interprovincial Electricity Transmissions in China" is referenced in nearly 25 other peer-reviewed academic publications, indicating that it is widely accepted in the scientific community. This change in methodology decreased our emissions by approximately 32,370 MT of CO2e, representing approximately 15.6% of our total scope 1 and 2 emissions in the previous year – 207,352 MT CO2e ... $(32,370/207,352)*100=15.6\%$.
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?

Location-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	Yes
Consumption of purchased or acquired cooling	Yes
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)	LHV (lower heating value)	0	35152.32	35152.32
Consumption of purchased or acquired electricity	<Not Applicable>	228238.24	43911.79	272150.03
Consumption of purchased or acquired heat	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired steam	<Not Applicable>	0	18347.62	18347.62
Consumption of purchased or acquired cooling	<Not Applicable>	0	2147.53	2147.53
Consumption of self-generated non-fuel renewable energy	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Total energy consumption	<Not Applicable>	228238.24	99559.26	327797.5

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)**

Diesel

Heating value

LHV (lower heating value)

Total fuel MWh consumed by the organization

1789.38

MWh fuel consumed for self-generation of electricity

1789.38

MWh fuel consumed for self-generation of heat

0

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

2.69

Unit

kg CO2e per liter

Emissions factor sourceIPCC 2006 Guidelines for National Greenhouse Gas Inventories, <https://www.ipcc-nggip.iges.or.jp/public/2006gl/vol2.html>. Using IPCC Second Assessment's GWPs.**Comment**

Diesel fuel (stationary combustion)

Fuels (excluding feedstocks)

Natural Gas

Heating value

LHV (lower heating value)

Total fuel MWh consumed by the organization

32048.7

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

32048.7

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

1.89

Unit

kg CO2e per m3

Emissions factor source

IPCC 2006 Guidelines for National Greenhouse Gas Inventories, <https://www.ipcc-nggip.iges.or.jp/public/2006gl/vol2.html>. Using IPCC Second Assessment's GWPs.

Comment

Natural gas fuel (stationary combustion)

Fuels (excluding feedstocks)

Liquefied Petroleum Gas (LPG)

Heating value

LHV (lower heating value)

Total fuel MWh consumed by the organization

452.13

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

452.13

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

1.61

Unit

kg CO2e per liter

Emissions factor source

IPCC 2006 Guidelines for National Greenhouse Gas Inventories, <https://www.ipcc-nggip.iges.or.jp/public/2006gl/vol2.html>. Using IPCC Second Assessment's GWPs.

Comment

LPG fuel (stationary combustion)

Fuels (excluding feedstocks)

Diesel

Heating value

LHV (lower heating value)

Total fuel MWh consumed by the organization

222.62

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

222.62

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

2.69

Unit

kg CO2e per liter

Emissions factor source

IPCC 2006 Guidelines for National Greenhouse Gas Inventories, <https://www.ipcc-nggip.iges.or.jp/public/2006gl/vol2.html>. Using IPCC Second Assessment's GWPs.

Comment

On road diesel fuel (mobile combustion)

Fuels (excluding feedstocks)

Petrol

Heating value

LHV (lower heating value)

Total fuel MWh consumed by the organization

308.77

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

308.77

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

2.28

Unit

kg CO2e per liter

Emissions factor source

IPCC 2006 Guidelines for National Greenhouse Gas Inventories, <https://www.ipcc-nggip.iges.or.jp/public/2006gl/vol2.html>. Using IPCC Second Assessment's GWPs.

Comment

Gasoline/petrol fuel (mobile combustion)

Fuels (excluding feedstocks)

Liquefied Petroleum Gas (LPG)

Heating value

LHV (lower heating value)

Total fuel MWh consumed by the organization

72.3

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

72.3

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

1.61

Unit

kg CO2e per liter

Emissions factor source

IPCC 2006 Guidelines for National Greenhouse Gas Inventories, <https://www.ipcc-nggip.iges.or.jp/public/2006gl/vol2.html>. Using IPCC Second Assessment's GWPs.

Comment

LPG fuel (mobile combustion)

Fuels (excluding feedstocks)

Jet Kerosene

Heating value

HHV (higher heating value)

Total fuel MWh consumed by the organization

258.42

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

258.42

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

9.67

Unit

kg CO2e per gallon

Emissions factor source

U.S. Energy Information Administration, https://www.eia.gov/environment/emissions/co2_vol_mass.cfm. Using IPCC Second Assessment's GWPs.

Comment

Jet kerosene A (mobile combustion)

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.

Sourcing method

Power purchase agreement (PPA) with a grid-connected generator without energy attribute certificates

Low-carbon technology type

Solar

Country/region of consumption of low-carbon electricity, heat, steam or cooling

China

MWh consumed accounted for at a zero emission factor

4225.62

Comment

Lenovo has electric solar panels installations at facilities in Hefei and Wuhan, China. Both projects are based on the model of the energy performance contracting (similar as PPA).

Sourcing method

Unbundled energy attribute certificates, International REC Standard (I-RECs)

Low-carbon technology type

Wind

Country/region of consumption of low-carbon electricity, heat, steam or cooling

China

MWh consumed accounted for at a zero emission factor

167460.88

Comment

Lenovo purchased I-RECs to cover electricity from our operations in China during the reporting year. All I-RECs are from 100% of renewable projects (wind) and were retired on behalf of Lenovo.

Sourcing method

Unbundled energy attribute certificates, International REC Standard (I-RECs)

Low-carbon technology type

Wind

Country/region of consumption of low-carbon electricity, heat, steam or cooling

Brazil

MWh consumed accounted for at a zero emission factor

4000

Comment

Lenovo purchased I-RECs to cover part of electricity from our operations in Brazil during the reporting year. All I-RECs are from 100% of renewable projects (wind) and were retired on behalf of Lenovo.

Sourcing method

Unbundled energy attribute certificates, International REC Standard (I-RECs)

Low-carbon technology type

Wind

Country/region of consumption of low-carbon electricity, heat, steam or cooling

India

MWh consumed accounted for at a zero emission factor

2500

Comment

Lenovo purchased I-RECs to cover part of electricity from our operations in India during the reporting year. All I-RECs are from 100% of renewable projects (wind) and were retired on behalf of Lenovo.

Sourcing method

Unbundled energy attribute certificates, International REC Standard (I-RECs)

Low-carbon technology type

Wind

Country/region of consumption of low-carbon electricity, heat, steam or cooling

Mexico

MWh consumed accounted for at a zero emission factor

10151.74

Comment

Lenovo purchased I-RECs to cover part of electricity from our operations in Mexico during the reporting year. All I-RECs are from 100% of renewable projects (wind) and were retired on behalf of Lenovo.

Sourcing method

Unbundled energy attribute certificates, Renewable Energy Certificates (RECs)

Low-carbon technology type

Wind

Country/region of consumption of low-carbon electricity, heat, steam or cooling

United States of America

MWh consumed accounted for at a zero emission factor

37500

Comment

Lenovo purchased RECs to cover part of the electricity consumption from our operations in USA during the reporting year. All RECs are Green-e certified (wind) and were retired on behalf of Lenovo.

Sourcing method

Unbundled energy attribute certificates, Guarantees of Origin

Low-carbon technology type

Hydropower

Country/region of consumption of low-carbon electricity, heat, steam or cooling

Germany

MWh consumed accounted for at a zero emission factor

2400

Comment

Lenovo purchased Guarantees of Origin to cover part of electricity from our European operations (Germany) during the reporting year. All Guarantees of Origin are from 100% of renewable projects (hydro) and were retired on behalf of Lenovo.

C9. Additional metrics

C9.1

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

Description

Other, please specify (Renewable Energy Capacity)

Metric value

16

Metric numerator

MW

Metric denominator (intensity metric only)

% change from previous year

28.82

Direction of change

Increased

Please explain

Lenovo has the following global target: Achieve 30MW of Lenovo owned or leased renewable energy generation capacity globally by 2020. Lenovo has installed and operated solar electric systems in Hefei, Wuhan; China, Morrisville, Whitsett, USA and hot water solar system in Beijing, China.

Description

Waste

Metric value

43097

Metric numerator

Total non-haz. (43,023 MT) and haz. waste (74 MT)

Metric denominator (intensity metric only)

% change from previous year

5.29

Direction of change

Decreased

Please explain

Lenovo's non-hazardous waste decreased and Lenovo's hazardous waste increased which resulted in overall waste decrease by 5.29%.

Description

Waste

Metric value

88.6

Metric numerator

Non-hazardous recycling rate (%)

Metric denominator (intensity metric only)

% change from previous year

1.15

Direction of change

Increased

Please explain

Lenovo has the following global target for FY 2019/20: Maintain a global nonhazardous waste recycling rate > 90% (+/-5%).

Description

Other, please specify (Water Withdrawal)

Metric value

1307000

Metric numerator

cubic meters

Metric denominator (intensity metric only)

% change from previous year

6.04

Direction of change

Decreased

Please explain

Lenovo has the following global target for FY 2019/20: Total global water use/withdrawal will be +/- 5% of FY 2018/19.

Description

Other, please specify (Waste Water Discharge)

Metric value

1183000

Metric numerator

cubic meters

Metric denominator (intensity metric only)

% change from previous year

5.87

Direction of change

Decreased

Please explain

Lenovo has the following global target for FY 2019/20: Total global wastewater generation will be +/- 5% of FY 2018/19.

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

Reasonable assurance

Attach the statement

_TUV SUD final_Verification Statement GHG Emission Energy Consumption_2020.pdf

Page/ section reference

Page: 2; Section: Table named "Lenovo Group Energy Consumption and GHG Emissions for FY 2019/2020" - "Scope 1 and 2 Emissions - Reasonable Assurance" and Page: 4; Section: "Level of Assurance and Materiality" (Reasonable: Scope 1 GHG Emissions)

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

Reasonable assurance

Attach the statement

_TUV SUD final_Verification Statement GHG Emission Energy Consumption_2020.pdf

Page/ section reference

Page: 2; Section: Table named "Lenovo Group Energy Consumption and GHG Emissions for FY 2019/2020" - "Scope 1 and 2 Emissions - Reasonable Assurance" and Page: 4; Section: "Level of Assurance and Materiality" (Reasonable: Scope 2 GHG Emissions)

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

Reasonable assurance

Attach the statement

_TUV SUD final_Verification Statement GHG Emission Energy Consumption_2020.pdf

Page/ section reference

Page: 2; Section: Table named "Lenovo Group Energy Consumption and GHG Emissions for FY 2019/2020" - "Scope 1 and 2 Emissions - Reasonable Assurance" and Page: 4; Section: "Level of Assurance and Materiality" (Reasonable: Scope 2 GHG Emissions)

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: Purchased goods and services

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

_TUV SUD final_Verification Statement GHG Emission Energy Consumption_2020.pdf

Page/section reference

Page: 3; Section: Table named "Lenovo Group Energy Consumption and GHG Emissions for FY 2019/2020" - "Scope 3 Emissions - Limited Assurance" and Page: 4; Section: "Level of Assurance and Materiality" (Limited: Scope 3 GHG Emissions)

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

Scope 3 category

Scope 3: Capital goods

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

_TUV SUD final_Verification Statement GHG Emission Energy Consumption_2020.pdf

Page/section reference

Page: 3; Section: Table named "Lenovo Group Energy Consumption and GHG Emissions for FY 2019/2020" - "Scope 3 Emissions - Limited Assurance" and Page: 4; Section: "Level of Assurance and Materiality" (Limited: Scope 3 GHG Emissions)

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

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

_TUV SUD final_Verification Statement GHG Emission Energy Consumption_2020.pdf

Page/section reference

Page: 3; Section: Table named "Lenovo Group Energy Consumption and GHG Emissions for FY 2019/2020" - "Scope 3 Emissions - Limited Assurance" and Page: 4; Section: "Level of Assurance and Materiality" (Limited: Scope 3 GHG Emissions)

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

Scope 3 category

Scope 3: Upstream transportation and distribution

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

_TUV SUD final_Verification Statement GHG Emission Energy Consumption_2020.pdf

Page/section reference

Page: 3; Section: Table named "Lenovo Group Energy Consumption and GHG Emissions for FY 2019/2020" - "Scope 3 Emissions - Limited Assurance" and Page: 4; Section: "Level of Assurance and Materiality" (Limited: Scope 3 GHG Emissions)

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

Scope 3 category

Scope 3: Waste generated in operations

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

_TUV SUD final_Verification Statement GHG Emission Energy Consumption_2020.pdf

Page/section reference

Page: 3; Section: Table named "Lenovo Group Energy Consumption and GHG Emissions for FY 2019/2020" - "Scope 3 Emissions - Limited Assurance" and Page: 4; Section: "Level of Assurance and Materiality" (Limited: Scope 3 GHG Emissions)

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

_TUV SUD final_Verification Statement GHG Emission Energy Consumption_2020.pdf

Page/section reference

Page: 3; Section: Table named "Lenovo Group Energy Consumption and GHG Emissions for FY 2019/2020" - "Scope 3 Emissions - Limited Assurance" and Page: 4; Section: "Level of Assurance and Materiality" (Limited: Scope 3 GHG Emissions)

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

Scope 3 category

Scope 3: Employee commuting

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

_TUV SUD final_Verification Statement GHG Emission Energy Consumption_2020.pdf

Page/section reference

Page: 3; Section: Table named "Lenovo Group Energy Consumption and GHG Emissions for FY 2019/2020" - "Scope 3 Emissions - Limited Assurance" and Page: 4; Section: "Level of Assurance and Materiality" (Limited: Scope 3 GHG Emissions)

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

Scope 3 category

Scope 3: Use of sold products

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

_TUV SUD final_Verification Statement GHG Emission Energy Consumption_2020.pdf

Page/section reference

Page: 3; Section: Table named "Lenovo Group Energy Consumption and GHG Emissions for FY 2019/2020" - "Scope 3 Emissions - Limited Assurance" and Page: 4; Section: "Level of Assurance and Materiality" (Limited: Scope 3 GHG Emissions)

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

Scope 3 category

Scope 3: End-of-life treatment of sold products

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

_TUV SUD final_Verification Statement GHG Emission Energy Consumption_2020.pdf

Page/section reference

Page: 3; Section: Table named "Lenovo Group Energy Consumption and GHG Emissions for FY 2019/2020" - "Scope 3 Emissions - Limited Assurance" and Page: 4; Section: "Level of Assurance and Materiality" (Limited: Scope 3 GHG Emissions)

Relevant standard

ISO14064-3

Proportion of reported emissions verified (%)

100

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?**

Yes

C10.2a**(C10.2a) Which data points within your CDP disclosure have been verified, and which verification standards were used?**

Disclosure module verification relates to	Data verified	Verification standard	Please explain
C8. Energy	Energy consumption	International Standard on Assurance Engagements (ISAE) 3000 Revised, Assurance Engagements Other than Audits or Reviews of Historical Financial Information (effective for assurance reports dated on or after Dec. 15, 2015), issued by the International Auditing and Assurance Standards Board.	Lenovo chose to verify the energy consumption data because it is as a proxy for calculating our emissions (multiplying source energy data, e.g. electricity, steam, fuel by emission factors results in Lenovo's emissions). The energy consumption includes both direct and indirect energy. The frequency of verification is annual and scope is global (company-wide). The verification statement is attached. The specific questions related to energy consumption: Section C7. Emissions breakdowns (C7.5) and Section C8. Energy (C8.2, C8.2a). _TUV SUD final_Verification Statement GHG Emission Energy Consumption_2020.pdf
C9. Additional metrics	Other, please specify (Waste - Total Non-Hazardous Waste Generated and Total Hazardous Waste Generated)	International Standard on Assurance Engagements (ISAE) 3000 Revised, Assurance Engagements Other than Audits or Reviews of Historical Financial Information (effective for assurance reports dated on or after Dec. 15, 2015), issued by the International Auditing and Assurance Standards Board.	Lenovo chose to verify the non-hazardous and hazardous waste data because they are used in calculating emission from waste. The frequency of verification is annual and scope is global (companywide). The verification statement is attached. The specific questions related to waste: Section C6. Emissions data (C6.5) and Section C9. Additional metrics (C9.1). _TUV SUD final_Verification Statement Waste_2020.pdf
C9. Additional metrics	Other, please specify (Water - Total Water Withdrawal and Total Water Discharge)	International Standard on Assurance Engagements (ISAE) 3000 Revised, Assurance Engagements Other than Audits or Reviews of Historical Financial Information (effective for assurance reports dated on or after Dec. 15, 2015), issued by the International Auditing and Assurance Standards Board.	Lenovo chose to verify the water withdrawal and water discharge data because water discharge data is in calculating emission from waste and Lenovo is aware of carbon-water nexus/connection even though we don't use water in our operations, only for sanitation purposes. Lenovo recognizes the linkage between water and carbon emissions. The treatment of water requires energy and by conserving water, Lenovo recognizes that we are reducing our potential carbon emissions in addition to reducing our use of water. In addition, we recognize that water is important to the production of power, especially hydropower. Through our use of renewable energy like solar panels at our facilities, we are mitigating possible costs related to water shortages, reducing our carbon emissions, and reducing our indirect water use associated with generating electricity. The frequency of verification is annual and scope is global (company-wide). The verification statement is attached. The specific questions related to water: Section C6. Emissions data (C6.5) and Section C9. Additional metrics (C9.1). _TUV SUD final_Verification Statement Water withdrawal and discharge_2020.pdf

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)?**

Yes

C11.1a**(C11.1a) Select the carbon pricing regulation(s) which impacts your operations.**

Beijing pilot ETS

C11.1b

(C11.1b) Complete the following table for each of the emissions trading schemes you are regulated by.

Beijing pilot ETS

% of Scope 1 emissions covered by the ETS

8.7

% of Scope 2 emissions covered by the ETS

19.4

Period start date

January 1 2019

Period end date

December 31 2019

Allowances allocated

30632

Allowances purchased

0

Verified Scope 1 emissions in metric tons CO2e

675.25

Verified Scope 2 emissions in metric tons CO2e

31526.33

Details of ownership

Facilities we own and operate

Comment

Beijing pilot ETS is running in parallel with China national ETS. Note 1: The gap between emitted emissions and allowed emitted emissions was covered by allowance surplus balance from previous year. No allowances were purchased in FY 2019/20. Note 2: All direct emissions (Scope 1) are from facilities we own and operate. Majority of the indirect emissions (Scope 2) are from facilities we own and operate.

C11.1d

(C11.1d) What is your strategy for complying with the systems you are regulated by or anticipate being regulated by?

Lenovo was selected for a pilot emission trading system in China. It was determined by the Beijing Municipal authority in 2013 that Lenovo Beijing is a significant energy consumption enterprise since we consumed more than 5,000 MT coal-equivalent electricity (CO2 emissions over 10,000 MT/year) and as such must meet an emissions trading requirement for our Beijing sites. Our server plant in Shenzhen is also listed as a significant carbon emission enterprise but released emissions do not exceed allocated allowance so reductions are not required. Lenovo is closely monitoring other provinces where this pilot program has been imposed since our sites in Shanghai, Huiyang, Xiamen, Chengdu and Wuhan could be impacted in the future.

The implemented China national ETS covers high energy consumption industries such as power, cement and steel. Because Lenovo is classified as an IT industry, the China national ETS requirements have not been imposed on our sites in China at this time.

Lenovo has a climate and energy policy and strategy in place and is working on reducing our carbon emissions globally as well as at our Beijing sites. Primary activities in support of this goal include: establishing a comprehensive energy/carbon system for Beijing sites including energy efficiency and renewable project identification and implementation (e.g., optimizing equipment control systems, installing energy-efficient lighting systems, installing solar hot water systems), implementing energy verification and energy management audit and purchasing carbon offsets. This is the sixth year for Lenovo to be a part of this scheme and since our business is developing constantly, we are expecting a need to purchase allowances. The above-implemented energy efficiency and renewable energy projects will help us meet the emissions reductions requirements.

Case Study of Applying Strategy: During FY 2019/20, our Energy Management System in Beijing was expanded to the East part of the campus. We obtained ISO 50001 certification for the expansion in June 2019. The Beijing location is committed to comply with a newly developed global level target for Lenovo's ISO 50001 certified locations that requires reduction of total energy consumption by at least 1.5% in next 3 years, relative to the FY 2019/20 energy baseline.

C11.2

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

Yes

C11.2a

(C11.2a) Provide details of the project-based carbon credits originated or purchased by your organization in the reporting period.

Credit origination or credit purchase

Credit purchase

Project type

Wind

Project identification

A renewable energy project located in China (Guohua Wulate Zhongqi Chuanjing Phase II Wind Farm Project)

Verified to which standard

VCS (Verified Carbon Standard)

Number of credits (metric tonnes CO2e)

15000

Number of credits (metric tonnes CO2e): Risk adjusted volume

15000

Credits cancelled

Yes

Purpose, e.g. compliance

Voluntary Offsetting

C11.3

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

No, but we 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

Yes, our customers

Yes, other partners in the value chain

C12.1a

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

Type of engagement

Compliance & onboarding

Details of engagement

Code of conduct featuring climate change KPIs

Climate change is integrated into supplier evaluation processes

Other, please specify (Regular education of buyers on overall corporate social responsibility and environmental impact)

% of suppliers by number

15

% total procurement spend (direct and indirect)

93

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

13

Rationale for the coverage of your engagement

Lenovo has been engaged with suppliers thru the Responsible Business Alliance (RBA) via following the code of conduct and RBA assessments, audits and environmental data. This also includes separate and direct efforts on GHG / Water / Waste surveys and Conflict Minerals using RBA tools. Also, Lenovo meets annually with its primary suppliers and shares strategies and requirements. Key sustainability program efforts, status and expectations are communicated semi-annually. Our coverage of engagement includes on average 60 suppliers out of 400, representing key suppliers based on % of suppliers total spend. The rest of suppliers, approximately 340, represent small percentage of about 5% spend and part volume. Engaging with all small suppliers would be very resource driven for very small return.

Impact of engagement, including measures of success

Lenovo uses the Responsible Business Alliance (RBA) carbon reporting system to gather primary emissions data from key Tier 1 suppliers that are identified by the Lenovo's Global Supply Chain department and Global Environmental Affairs team. We prioritize or select Lenovo's suppliers based on % of suppliers total spend. Our engagement strategy is to drive our suppliers to have: 1. Public GHG reduction goals; 2. 50001 certification; 3. CDP reporting; 4. Third-party verification of Scope 1 and 2 GHG emissions and 5. 100% renewable commitments. We measure success of this engagement strategy by setting up targets as follows: 85% of suppliers to have public GHG reduction goals; and by spending targets of 75% of suppliers to have 50001 certification, maintain 75% of suppliers to report via CDP, 95% of supplier to have 3rd party verification and 50% of supplier to have 100% renewable commitments. We measure our success based on how we meet our established targets. In FY 2019/20 Lenovo determined that 90% of the suppliers had formal public reduction goals, and by spending 83% had indicated the use of 3rd party verification auditors, 83% reporting

via CDP and 50% of suppliers have 100% renewable energy goals. As part of Lenovo's ongoing climate change strategy, we plan to continue our focus on reduction with two key actions. One is attained EPEAT certification points on supplier ISO 14001 certification, Environmental Management System reporting, ISO 50001 certification, fluorinated greenhouse gases reporting and product transportation emissions. Two is driving a focus on suppliers to attain energy from renewable sources to get renewable energy EPEAT points in FY 2020/21.

Comment

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

15

% total procurement spend (direct and indirect)

93

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

13

Rationale for the coverage of your engagement

Lenovo has been engaged with suppliers thru the Responsible Business Alliance (RBA) via following the code of conduct and RBA assessments, audits and environmental data. This also includes separate and direct efforts on GHG / Water / Waste surveys and Conflict Minerals using RBA tools. Also, Lenovo meets annually with its primary suppliers and shares strategies and requirements. Key sustainability program efforts, status and expectations are communicated semi-annually. Our coverage of engagement includes on average 60 suppliers out of 400, representing key suppliers based on % of suppliers total spend. The rest of suppliers, approximately 340, represent small percentage of about 5% spend and part volume. Engaging with all small suppliers would be very resource driven for very small return.

Impact of engagement, including measures of success

Lenovo uses the Responsible Business Alliance (RBA) carbon reporting system to gather primary emissions data from key Tier 1 suppliers that are identified by the Lenovo's Global Supply Chain department and Global Environmental Affairs team. We prioritize or select Lenovo's suppliers based on % of suppliers total spend. Our engagement strategy is to drive our suppliers to have: 1. Public GHG reduction goals; 2. 50001 certification; 3. CDP reporting; 4. Third-party verification of Scope 1 and 2 GHG emissions and 5. 100% renewable commitments. We measure success of this engagement strategy by setting up targets as follows: 85% of suppliers to have public GHG reduction goals; and by spending targets of 75% of suppliers to have 50001 certification, maintain 75% of suppliers to report via CDP, 95% of supplier to have 3rd party verification and 50% of supplier to have 100% renewable commitments. We measure our success based on how we meet our established targets. In FY 2019/20 Lenovo determined that 90% of the suppliers had formal public reduction goals, and by spending 83% had indicated the use of 3rd party verification auditors, 83% reporting via CDP and 50% of suppliers have 100% renewable energy goals. As part of Lenovo's ongoing climate change strategy, we plan to continue our focus on reduction with two key actions. One is attained EPEAT certification points on supplier ISO 14001 certification, Environmental Management System reporting, ISO 50001 certification, fluorinated greenhouse gases reporting and product transportation emissions. Two is driving a focus on suppliers to attain energy from renewable sources to get renewable energy EPEAT points in FY 2020/21.

Comment

Type of engagement

Engagement & incentivization (changing supplier behavior)

Details of engagement

Climate change performance is featured in supplier awards scheme

% of suppliers by number

15

% total procurement spend (direct and indirect)

93

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

13

Rationale for the coverage of your engagement

Lenovo has been engaged with suppliers thru the Responsible Business Alliance (RBA) via following the code of conduct and RBA assessments, audits and environmental data. This also includes separate and direct efforts on GHG / Water / Waste surveys and Conflict Minerals using RBA tools. Also, Lenovo meets annually with its primary suppliers and shares strategies and requirements. Key sustainability program efforts, status and expectations are communicated semi-annually. Our coverage of engagement includes on average 60 suppliers out of 400, representing key suppliers based on % of suppliers total spend. The rest of suppliers, approximately 340, represent small percentage of about 5% spend and part volume. Engaging with all small suppliers would be very resource driven for very small return.

Impact of engagement, including measures of success

Lenovo uses the Responsible Business Alliance (RBA) carbon reporting system to gather primary emissions data from key Tier 1 suppliers that are identified by the Lenovo's Global Supply Chain department and Global Environmental Affairs team. We prioritize or select Lenovo's suppliers based on % of suppliers total spend. Our engagement strategy is to drive our suppliers to have: 1. Public GHG reduction goals; 2. 50001 certification; 3. CDP reporting; 4. Third-party verification of Scope 1 and 2 GHG emissions and 5. 100% renewable commitments. We measure success of this engagement strategy by setting up targets as follows: 85% of suppliers to have public GHG reduction goals; and by spending targets of 75% of suppliers to have 50001 certification, maintain 75% of suppliers to report via CDP, 95% of supplier to have 3rd party verification and 50% of supplier to have 100% renewable commitments. We measure our success based on how we meet our established targets. In FY 2019/20 Lenovo determined that 90% of the suppliers had formal public reduction goals, and by spending 83% had indicated the use of 3rd party verification auditors, 83% reporting via CDP and 50% of suppliers have 100% renewable energy goals. As part of Lenovo's ongoing climate change strategy, we plan to continue our focus on reduction with two key actions. One is attained EPEAT certification points on supplier ISO 14001 certification, Environmental Management System reporting, ISO 50001 certification, fluorinated greenhouse gases reporting and product transportation emissions. Two is driving a focus on suppliers to attain energy from renewable sources to get renewable energy EPEAT points in FY 2020/21.

Comment

(C12.1b) Give details of your climate-related engagement strategy with your customers.

Type of engagement

Education/information sharing

Details of engagement

Run an engagement campaign to education customers about your climate change performance and strategy

% of customers by number

90

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

70

Portfolio coverage (total or outstanding)

<Not Applicable>

Please explain the rationale for selecting this group of customers and scope of engagement

Lenovo provides climate change information to our customers who ask for it. The detailed information on our climate change commitments and the carbon impact of our products and operations help customers make informed purchasing decisions. We do this engagement with all customers via educational materials posted on our website, such as our climate change policy, greenhouse gas emissions from our operations, greenhouse gas verification statements, and other information. For 90% of our customers (by revenue), we provide additional educational materials in the form of product Eco Declarations for notebooks like ThinkPads, tablets, desktops, workstations, servers and storage, and monitors. These documents include information about energy consumption, ENERGY STAR® status, etc. In addition, we also post Product Carbon Footprint information for many products in these same product categories. We have chosen to engage with 90% of our customers in this manner because these products are sold directly to many customers (either large enterprise customers or household consumers) and we are these customers' primary source of information on our products. For the remaining 10% of customers, they are related to our mobile phone business. In many geographies, Lenovo does not directly engage with consumers for these products rather we engage with mobile phone carriers that interface with consumers. Because of this difference in how we engage with this customer segment, for our carrier customers, we provide information during the request for proposal (RFP) process or directly upon request. In addition to these types of educational communications, Lenovo directly engages our customers via responding to customer questions and RFPs and also in person meetings in customer briefings in our briefing center and through calls with our sales team and customers. In general, all customer requests for information related to GHG emissions and climate change strategies are responded to, generally with publicly available data that Lenovo has already published. Many customers have questions about Lenovo's climate change strategy, our policy, our specific goals, our progress, and measurements related to products. Environmental team staff are frequently called upon to speak with customers either via conference calls or in person at Lenovo's locations around the world.

Impact of engagement, including measures of success

We measure the impact of our engagement based on the number of customer complaints or negative customer feedback we get on our programs in the area of climate change, including ENERGY STAR® product availability, ECO Declaration and Product Carbon Footprint availability and corporate climate commitments. We measure success based on feedback we get to our environment@lenovo.com email address and through customer surveys given to customers who participate in onsite briefings or business reviews. Our goal is 100% positive feedback, and we measure success as hitting 90% positive feedback or better per fiscal year. We obtain our measurements of feedback through our sales and briefing center staff who formally survey customers on their experience and provide feedback to the environmental team. Our standard for measuring success is 100% positive customer feedback. In addition, we consider customer retention and acquisition metrics. Typically, customer responses are not prioritized as all customer interactions are important to Lenovo. In some instances, customers may have questions about the carbon impact of particular products under consideration and Lenovo can provide general or customized information at the product level depending upon what the customer requires. Lenovo is expanding our customer experience analytics and any feedback on climate change and energy efficiency gained through this process will be evaluated and used to enhance our programs as needed.

Type of engagement

Education/information sharing

Details of engagement

Run an engagement campaign to educate customers about the climate change impacts of (using) your products, goods, and/or services

% of customers by number

90

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

70

Portfolio coverage (total or outstanding)

<Not Applicable>

Please explain the rationale for selecting this group of customers and scope of engagement

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Impact of engagement, including measures of success

We measure the impact of our engagement based on the number of customer complaints or negative customer feedback we get on our programs in the area of climate change, including ENERGY STAR® product availability, ECO Declaration and Product Carbon Footprint availability and corporate climate commitments. We measure success based on feedback we get to our environment@lenovo.com email address and through customer surveys given to customers who participate in onsite briefings or business reviews. Our goal is 100% positive feedback, and we measure success as hitting 90% positive feedback or better per fiscal year. We obtain our measurements of feedback through our sales and briefing center staff who formally survey customers on their experience and provide feedback to the environmental team. Our standard for measuring success is 100% positive customer feedback. In addition, we consider customer retention and acquisition metrics. Typically, customer responses are not

prioritized as all customer interactions are important to Lenovo. In some instances, customers may have questions about the carbon impact of particular products under consideration and Lenovo can provide general or customized information at the product level depending upon what the customer requires. Lenovo is expanding our customer experience analytics and any feedback on climate change and energy efficiency gained through this process will be evaluated and used to enhance our programs as needed.

Type of engagement

Education/information sharing

Details of engagement

Share information about your products and relevant certification schemes (i.e. Energy STAR)

% of customers by number

90

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

70

Portfolio coverage (total or outstanding)

<Not Applicable>

Please explain the rationale for selecting this group of customers and scope of engagement

Lenovo provides climate change information to our customers who ask for it. The detailed information on our climate change commitments and the carbon impact of our products and operations help customers make informed purchasing decisions. We do this engagement with all customers via educational materials posted on our website, such as our climate change policy, greenhouse gas emissions from our operations, greenhouse gas verification statements, and other information. For 90% of our customers (by revenue), we provide additional educational materials in the form of product Eco Declarations for notebooks like ThinkPads, tablets, desktops, workstations, servers and storage, and monitors. These documents include information about energy consumption, ENERGY STAR® status, etc. In addition, we also post Product Carbon Footprint information for many products in these same product categories. We have chosen to engage with 90% of our customers in this manner because these products are sold directly to many customers (either large enterprise customers or household consumers) and we are these customers' primary source of information on our products. For the remaining 10% of customers, they are related to our mobile phone business. In many geographies, Lenovo does not directly engage with consumers for these products rather we engage with mobile phone carriers that interface with consumers. Because of this difference in how we engage with this customer segment, for our carrier customers, we provide information during the request for proposal (RFP) process or directly upon request. In addition to these types of educational communications, Lenovo directly engages our customers via responding to customer questions and RFPs and also in person meetings in customer briefings in our briefing center and through calls with our sales team and customers. In general, all customer requests for information related to GHG emissions and climate change strategies are responded to, generally with publicly available data that Lenovo has already published. Many customers have questions about Lenovo's climate change strategy, our policy, our specific goals, our progress, and measurements related to products. Environmental team staff are frequently called upon to speak with customers either via conference calls or in person at Lenovo's locations around the world.

Impact of engagement, including measures of success

We measure the impact of our engagement based on the number of customer complaints or negative customer feedback we get on our programs in the area of climate change, including ENERGY STAR® product availability, ECO Declaration and Product Carbon Footprint availability and corporate climate commitments. We measure success based on feedback we get to our environment@lenovo.com email address and through customer surveys given to customers who participate in onsite briefings or business reviews. Our goal is 100% positive feedback, and we measure success as hitting 90% positive feedback or better per fiscal year. We obtain our measurements of feedback through our sales and briefing center staff who formally survey customers on their experience and provide feedback to the environmental team. Our standard for measuring success is 100% positive customer feedback. In addition, we consider customer retention and acquisition metrics. Typically, customer responses are not prioritized as all customer interactions are important to Lenovo. In some instances, customers may have questions about the carbon impact of particular products under consideration and Lenovo can provide general or customized information at the product level depending upon what the customer requires. Lenovo is expanding our customer experience analytics and any feedback on climate change and energy efficiency gained through this process will be evaluated and used to enhance our programs as needed.

C12.1d

(C12.1d) Give details of your climate-related engagement strategy with other partners in the value chain.

Other partners – Investors

A. Methods of engagement; B. Strategy for Prioritizing Engagements; C. Measure of Success

A. Lenovo views our investors and the investor community as another important stakeholder with interest in our GHG emissions and climate change strategies. Our primary means of communicating widely with investors is via our Annual Report, which contains a ESG/Environment section and via our stand alone Sustainability/ESG Report, which is published annually. Both these documents typically include information about our GHG emissions and our climate change strategy, with the Sustainability/ESG Report containing a more exhaustive description of our programs.

B. Lenovo is frequently asked to participate in investor surveys. We prioritize these based on what market they serve (i.e., Lenovo is traded on the Hang Seng Index, therefore we prioritize participation in the Hang Seng Sustainability Index vs. other indices for other markets). We also participate in broad investor research. This research we prioritize based on our understanding of the quality and influence of the resulting analysis and reporting. We have also spoken in the past directly with analysts and investors at various conference calls and meetings.

C. At a macro level, we use our overall stock price and performance as a measure of our success in this area. At a more local level, we use direct feedback from the analysts with whom we are interacting to learn more about industry performance and how Lenovo measures compared to our competitors.

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?

- Direct engagement with policy makers
- Trade associations
- Funding research organizations

C12.3a

(C12.3a) On what issues have you been engaging directly with policy makers?

Focus of legislation	Corporate position	Details of engagement	Proposed legislative solution
Other, please specify (Product Carbon Footprint Standards)	Support with minor exceptions	Lenovo is engaged with the Ministry of Industry and Information Technology of the People's Republic of China on the development of the Product Carbon Footprint (PCF) China Standard. Lenovo has been supporting the project in the following four areas: Product Category Rule, Desktop PCF, Notebook PCF and PCF Certification. Additionally, Lenovo has been participating in a pilot test activity for Low Carbon Product Certificate in China. Our printer business unit was directly involved and joined the pilot test of the standard by providing feedback and comments. Lenovo will continue supporting the Low Carbon Product Certificate work for other product categories in future.	Lenovo supports inclusion of the approved use of streamlined carbon life cycle assessment methodologies such as was developed through the PAIA (Product Attribute Impact Algorithm) project by MIT University Materials Lab and partners.
Other, please specify (IEC Technical Report) IEC Technical Report for Computers and Monitors	Support with minor exceptions	Lenovo is participating in the development of IEC TC100 technical report for streamlined PCF (TR 62921), Quantification Methodology for Greenhouse Gas Emissions for Computers and Monitors. The goal of this TR is to support universal streamlined product greenhouse gas methodologies for practitioners, with a further goal of harmonizing the various regional efforts currently in progress.	Lenovo supports having globally recognized accurate and efficient resources for carrying out product carbon footprint calculations.
Other, please specify (China Product Carbon LCA Standards)	Support	Lenovo participated in drafting the China national standard GB/T 37552-2019 Guidance on the life cycle assessment for electrical and electronic products. The standard guides how to assess the electronic products' environment impact by LCA methodology. Lenovo is listed as the second drafter in the standard.	Lenovo supports to standardize the LCA process in the industry for measuring the environment impacts.
Other, please specify (Climate Change Paris Agreement)	Support	Lenovo supported the Climate Change Paris Agreement through our support of the American Business on Climate Change pledge. Lenovo committed to this pledge to demonstrate support for actions on climate change, support conclusions of climate change agreement in Paris and set example for our peers.	Lenovo signed the pledge. Our commitment is as follows: (1) reduce our global Scope 1 and 2 GHG emissions by 40%, compared to a 2009 baseline, by 2020, (2) increase our renewable energy portfolio by annually increasing the percentage of energy purchased from renewable generation sources globally, relative to the previous fiscal year and (3) drive reductions in our products' energy use by showing improvements in energy efficiency relative to the previous generation of the product.
Energy efficiency	Support	As a board member of the Electronics Product Stewardship Canada (EPSC), Lenovo worked closely with the Canadian Government and EPSC to ensure that the latest Canadian Energy Efficiency law (Amendment 14 to the Energy Efficiency Regulations) was accurate, fair, and supported by Industry. Lenovo and the EPSC worked closely with Natural Resources Canada (NRCan) and the various provinces to ensure that the law was harmonized within the Canadian provinces, and also with the US Department of Energy guidelines on energy efficiency.	Lenovo, as a board member of EPSC, lobbied the province of Ontario when their energy efficiency regulations did not match those of other provinces. This would have resulted in two separate methods to ensure compliance in Canada. As Ontario could not change the regulation without legislation, EPSC and Lenovo worked with Ontario to introduce legislation that would harmonize the energy efficiency regulation across the country of Canada. Ontario's Ministers voted to approve this change in early June, 2019.
Energy efficiency	Support	Working through the Information Technology Industry Council (ITI), Lenovo, IT OEMs and associated NGOs engage in collaborative discussions with the US Environmental Protection Agency (EPA) and the US Department of Energy (DOE) on enhancements and updates to the ENERGY STAR® programs for a wide range of IT products; i.e., Desktop, Notebook and Workstation Computers, Servers, and Monitors. Similarly, these efforts also extend globally to standards organizations and regulatory bodies in Europe, Asia, Latin America, Africa and the Middle East in the development and update of current and emerging product energy efficiency metrics and requirements.	Although ENERGY STAR® is a voluntary program/initiative it's framework provides the basis for a number of US and WW regulations that focus on the power consumption and energy efficiency performance metrics for consumer and commercial office equipment, computers and visual display products; i.e., DOE/California Energy Commission (CEC), EU ErP, Australia MEP regs for Computers, Servers, external power adapters, battery charger systems, Monitors, etc. The collective benefits from this singular focus on reducing product power consumption and improving energy efficiency contributes to the continued reduction in WW carbon emissions and electricity consumption.
Clean energy generation	Support	Working with China Ministry of Communications, CFLP and China Communications and Transportation Association together on clean energy generation, enabling new energy transportation generalization and supporting new energy transportation implementation.	Lenovo inspires logistics providers on new energy vehicle implementation (especially on final mile delivery) and proposes rail service for long haul transportation.

C12.3b

(C12.3b) Are you on the board of any trade associations or do you provide funding beyond membership?

Yes

C12.3c

(C12.3c) Enter the details of those trade associations that are likely to take a position on climate change legislation.

Trade association

Electronic Product Stewardship Canada

Is your position on climate change consistent with theirs?

Consistent

Please explain the trade association's position

Electronic Product Stewardship Canada (EPSC) is engaged in promoting sound energy management policies and regulations in Canada at the Federal, Provincial, and Territorial level, specifically for the electronics industry. In addition, EPSC is the leading trade association in Canada for designing enhanced end of life solutions for electronics products in Canada, including optimizing these programs for efficiency. EPSC recognizes the importance of conserving energy in their annual design for environment report (https://epsc.ca/wp-content/uploads/EPSC_Report_2019_Web_Final.pdf). This includes recognition of the importance of energy efficiency in product use and energy efficiency gains from redesign of product packaging. The EPSC's Annual Design for Environment Report emphasizes members support for energy efficiency programs like ENERGY STAR® and improving energy efficiency in manufacturing.

How have you influenced, or are you attempting to influence their position?

Yes, as a Board member of EPSC, Lenovo has been involved in meeting with fellow EPSC members and government regulators to try to improve energy efficiency regulation in Canada. In 2019 Lenovo through EPSC was involved in extensive discussions around new NRCan and Provincial energy efficiency and labeling requirements for electronic products, and with the Ontario and Quebec provincial governments on Enhanced Producer Responsibility and packaging recycling.

C12.3d

(C12.3d) Do you publicly disclose a list of all research organizations that you fund?

No

C12.3f

(C12.3f) What processes do you have in place to ensure that all of your direct and indirect activities that influence policy are consistent with your overall climate change strategy?

Lenovo's corporate communications procedures require engagement of the Global Director of Environmental Affairs and the Corporate Communications team with regard to external communications/activities involving environmental issues, including climate change. This is global level process across Lenovo business units and locations at worldwide geographies. Also, external and internal communications and environmental policy and strategy are discussed with Senior Management at least annually during scheduled environmental management reviews.

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).

Publication

In mainstream reports

Status

Complete

Attach the document

Annual Report 2019-2020.pdf

Page/Section reference

Lenovo's FY 2019/20 Annual Report titled "Smarter technology for all" -- Page 132-134 in the section named "The Environment" of the report's part named "Sustainability Overview" (specific subsections named Climate Change, Transport and Packaging, Waste and Water).

Content elements

Governance
Strategy
Risks & opportunities
Emission targets
Other metrics

Comment

Lenovo signed the CDSB statement on fiduciary duty & climate change disclosure. We disclose climate change information in our Annual Report and work towards using the CDSB framework or equivalent frameworks for that purpose.

Publication

In voluntary communications

Status

Complete

Attach the document

Lenovo Climate Change Website.docx

Page/Section reference

Lenovo's company external climate change website, Sustainability part, Planet - Environmental Commitment - Climate Change section (specific sub-web-pages named Approach, Performance, Operations and Supply Chain).

Content elements

Governance
Strategy
Risks & opportunities
Emissions figures
Emission targets

Comment

Note: The FY 2019/2020 GHG inventory numbers will be added in next few weeks.

Publication

In voluntary sustainability report

Status

Underway – previous year attached

Attach the document

Sustainability Report 2018.2019.pdf

Page/Section reference

Lenovo's sustainability report titled "Sustaining Intelligent Transformation" Report for FY 2018-2019 -- Page 80-89 in the section named "Planet"

Content elements

Governance
Strategy
Risks & opportunities
Emissions figures
Emission targets
Other metrics

Comment

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.

C1. Governance and C15. Signoff

Lenovo's Chief Corporate Responsibility Officer (CRO) has the same responsibilities as Chief Sustainability Officer (CSO) and acts in a similar capacity.

C6.1 and C6.3

Lenovo's Scope 1 emissions were 7,765.92 MT CO2e which was rounded during our external verification to 7,766 MT CO2e (verification statement attached). Some sections of the survey (e.g. C7. Emissions breakdowns) have Scope 1 emissions with decimal points included.

Lenovo's Scope 2 emissions (location-based) were 162,597.06 MT CO2e which was rounded during our external verification to 162,597 MT CO2e (verification statement attached). Some sections of the survey (e.g. C7. Emissions breakdowns) have Scope 2 emissions with decimal points included.

C7.2 and C7.5

Rest of World includes Lenovo's office sites worldwide (small and large - except offices in listed regions).

C8.2a and C8.2c

Lenovo's direct and indirect energy consumption was 327,797.50 MWh which was rounded during our external verification to 327,797 MWh (verification statement attached). Some sections of the survey (e.g. C8. Energy) have total energy consumption with decimal points included.

C11.2a

The carbon offset certificate is attached.

SC4.1 Further information for our selection of "No, I am not providing data".

Lenovo has calculated product carbon footprint (PCF) of its typical laptop, desktop, monitor, tablet, all-in-one, thin client and server by using the Product Attribute Impact Algorithm (PAIA) tools for streamlined calculation of PCF developed by Massachusetts Institute of Technology's Materials laboratory and partners. Lenovo published those PCF ranges on its external website for stakeholders' use. Moreover, Lenovo provides carbon emission data on any hardware/component products (if available) upon customers' request. Each new released notebook, desktop, monitor, tablet, all-in-one, thin client and server is required to have a PCF calculated using the PAIA tools. Lenovo PCF Information Sheets for some of our existing products and all new products released after July 2015 are available externally on Lenovo's website https://www.lenovo.com/us/en/social_responsibility/datasheets_notebooks.

General note

This response covers Lenovo and Motorola Mobility LLC (Motorola).
_TUV SUD final_Verification Statement GHG Emission Energy Consumption_2020.pdf
Certificate of Allocation - Global Carbon - Lenovo - 4.8.2020 - FINAL.pdf

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	Chief Corporate Responsibility Officer	Chief Sustainability Officer (CSO)

SC. Supply chain module

SC0.0

(SC0.0) If you would like to do so, please provide a separate introduction to this module.

Lenovo's climate change strategy focuses on direct and indirect greenhouse gas emissions associated with:

1. Lenovo internal operations from our own facilities,
2. Energy supplies and their operational emissions which are attributable to our activities,
3. Our supply chain and emissions associated with the production and delivery of goods and services to Lenovo,
4. Our customers and the emission associated with their procurement, use and disposal our products,
5. Government, non-profit organizations, and public actions in support of transition to a low carbon economy.

Lenovo is making progress in all of these areas of influence. We continue to improve our understanding of supply chain operations and customer activities which enhances our ability to identify, track and quantify related climate change impacts.

SC0.1

(SC0.1) What is your company's annual revenue for the stated reporting period?

	Annual Revenue
Row 1	50716000000

SC0.2

(SC0.2) Do you have an ISIN for your company that you would be willing to share with CDP?

Yes

SC0.2a

(SC0.2a) Please use the table below to share your ISIN.

	ISIN country code (2 letters)	ISIN numeric identifier and single check digit (10 numbers overall)
Row 1	HK	0992009065

SC1.1

(SC1.1) Allocate your emissions to your customers listed below according to the goods or services you have sold them in this reporting period.

Requesting member

Accenture

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

4

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Accenture

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO₂e

74

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Accenture

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO₂e

1060

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO₂e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

Alphabet, Inc.

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO₂e

19

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Alphabet, Inc.

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

398

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Alphabet, Inc.

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

5733

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO2e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

Amdocs Ltd

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

1

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Amdocs Ltd

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

15

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Amdocs Ltd

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

214

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO2e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

AT&T Inc.

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

0

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

AT&T Inc.

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

1

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

AT&T Inc.

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

19

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO2e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

Bristol-Myers Squibb

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO₂e

3

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Bristol-Myers Squibb

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO₂e

72

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Bristol-Myers Squibb

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO₂e

1035

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO₂e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

BT Group

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO₂e

3

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

BT Group

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO₂e

69

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

BT Group

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO₂e

994

Uncertainty (±%)

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO₂e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

Caixa Econômica Federal

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO₂e

0

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Caixa Econômica Federal

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO₂e

0

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Caixa Econômica Federal

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

0

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the number of units purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO2e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

California Department of General Services (DGS)

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

0

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

California Department of General Services (DGS)

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

0

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

4

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO2e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

CBRE Group, Inc.

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

3

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

CBRE Group, Inc.

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

66

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

CBRE Group, Inc.

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

951

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO2e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

Clorox Company

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

0

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Clorox Company

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

7

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Clorox Company

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

95

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO2e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

Deutsche Telekom AG

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

11

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Deutsche Telekom AG

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

228

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Deutsche Telekom AG

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

3282

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO2e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

Fujitsu Limited

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

0

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on another physical factor

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Fujitsu Limited

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

0

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Fujitsu Limited

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

7

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO2e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

GSMA

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

0

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural

gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

GSMA

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

0

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

GSMA

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

0

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO2e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

Imperial Brands

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

0

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Imperial Brands

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

1

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Imperial Brands

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

8

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO2e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

Intel Corporation

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Intel Corporation

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

82

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Intel Corporation

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

1182

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO2e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

J Sainsbury Plc

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

6

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

J Sainsbury Plc

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

123

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

J Sainsbury Plc

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

1776

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

Yes

Allocation method

Allocation based on the volume of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO2e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

KPMG UK

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

1

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

KPMG UK

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

12

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

KPMG UK

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

167

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO₂e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

Michelin

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO₂e

4

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Michelin

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO₂e

78

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Michelin

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO₂e

1126

Uncertainty (±%)

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO₂e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

Microsoft Corporation

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO₂e

228

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Microsoft Corporation

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO₂e

4764

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Microsoft Corporation

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

68583

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO2e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

Nokia Group

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

5

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Nokia Group

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

101

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Nokia Group

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

1452

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO2e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

Royal Bank of Canada

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

9

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Royal Bank of Canada

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

186

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Royal Bank of Canada

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO₂e

2680

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO₂e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

Stanley Black & Decker, Inc.

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO₂e

6

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Stanley Black & Decker, Inc.

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO₂e

121

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Stanley Black & Decker, Inc.

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

1743

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO2e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

Swisscom

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

2

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Swisscom

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

38

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Swisscom

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

554

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO2e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

Verizon Communications Inc.

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

12

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Verizon Communications Inc.

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

249

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Verizon Communications Inc.

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

3578

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO2e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

Vodafone Group

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

6

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural

gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Vodafone Group

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

118

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Vodafone Group

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

1695

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO2e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

Wal Mart de Mexico

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

9

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Wal Mart de Mexico

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

193

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Wal Mart de Mexico

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

2781

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO2e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

Requesting member

Walmart, Inc.

Scope of emissions

Scope 1

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

Uncertainty (±%)

10

Major sources of emissions

Scope 1: on site combustion - natural gas, diesel and LPG

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Walmart, Inc.

Scope of emissions

Scope 2

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

533

Uncertainty (±%)

10

Major sources of emissions

Scope 2 (location-based): purchased electricity and steam

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

The GHG sources are identified by site, regional, or global GHG data coordinators on a regular basis. Major emission sources such as purchased electricity, steam, natural gas, diesel and LPG reflect Lenovo's operations and its manufacturing/assembly and research and development nature. Lenovo's GHG inventory since its baseline year FY 2009/2010 has been verified by an independent third party. The verification process includes among other areas also checking and assuring the source of emissions.

Requesting member

Walmart, Inc.

Scope of emissions

Scope 3

Allocation level

Company wide

Allocation level detail

<Not Applicable>

Emissions in metric tonnes of CO2e

7678

Uncertainty (±%)

10

Major sources of emissions

Scope 3: Purchased goods and services

Verified

No

Allocation method

Allocation based on the market value of products purchased

Please explain how you have identified the GHG source, including major limitations to this process and assumptions made

Purchased goods and services data was gained from Lenovo's key Tier 1 direct suppliers' Scope 1 and 2 GHG emissions reported via the RBA-On's carbon/water/waste reporting tool, 2019 CDP reports or suppliers' annual/sustainability/financial reports. It was estimated that Lenovo's 57 key suppliers represented 93% of direct spend accounted for 2,341,000 MT CO2e Lenovo's Scope 3 purchased goods and services emissions. The emission factors and GWP values were embedded in suppliers' reports.

(SC1.2) Where published information has been used in completing SC1.1, please provide a reference(s).

The Corporate Value Chain (Scope 3) Accounting and Reporting Standard aka Supplement to the GHG Protocol Corporate Accounting and Reporting Standard was used for allocating emissions.

Lenovo currently uses economic allocation based on total revenue generated by customer sales and allocate emissions based upon Lenovo's annual total revenue.

The calculation is as follows:

allocated customers emissions = Lenovo's scope 1 emissions x (Lenovo's revenue with customers / Lenovo's revenue)

allocated customers emissions = Lenovo's scope 2 emissions x (Lenovo's revenue with customers / Lenovo's revenue)

allocated customers emissions = Lenovo's scope 3 purchased goods and services emissions x (Lenovo's revenue with customers / Lenovo's revenue)

Lenovo's scope 1, scope 2 and scope 3 (including purchased goods and services category) emissions are externally reported to the CDP Climate Change survey and externally published on Lenovo's website and in Lenovo's ESG/Sustainability Report. Lenovo's revenue is publicly available in Lenovo's Annual Report. Lenovo's revenues with customers are confidential and used only internally.

SC1.3

(SC1.3) What are the challenges in allocating emissions to different customers, and what would help you to overcome these challenges?

Allocation challenges	Please explain what would help you overcome these challenges
Diversity of product lines makes accurately accounting for each product/product line cost ineffective	Lenovo has a diversified pool of customers and a quite broad product selection that is sold to these customers which make emission allocation challenging. Lenovo believes that industry-specific standards, tools and allocation methods would make it easier for accurately and credibly determining relationship between the production of the outputs and their resulting emissions to Lenovo's customers.
Customer base is too large and diverse to accurately track emissions to the customer level	Lenovo has a diversified pool of customers and a quite broad product selection that is sold to these customers which make emission allocation challenging. Lenovo believes that industry-specific standards, tools and allocation methods would make it easier for accurately and credibly determining relationship between the production of the outputs and their resulting emissions to Lenovo's customers.

SC1.4

(SC1.4) Do you plan to develop your capabilities to allocate emissions to your customers in the future?

Yes

SC1.4a

(SC1.4a) Describe how you plan to develop your capabilities.

Lenovo is aware that economic allocation methodology comes with uncertainty and potential inaccuracy. Lenovo would like to use physical allocation or industry-specific allocation method in the future. It would be very helpful if academia and ICT companies collaborated and developed ICT specific allocation method based on product carbon footprint of products.

SC2.1

(SC2.1) Please propose any mutually beneficial climate-related projects you could collaborate on with specific CDP Supply Chain members.

Requesting member

Accenture

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings

Estimated payback

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

Alphabet, Inc.

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings**Estimated payback**

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

Amdocs Ltd

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings**Estimated payback**

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

AT&T Inc.

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings**Estimated payback**

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

Bristol-Myers Squibb

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings

Estimated payback

Other, please specify (Depends)

Details of proposal

Lenovo Details of proposal section is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

BT Group

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings

Estimated payback

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

Caixa Econômica Federal

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings

Estimated payback

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

California Department of General Services (DGS)

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings**Estimated payback**

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

CBRE Group, Inc.

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings**Estimated payback**

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

Clorox Company

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings**Estimated payback**

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

Deutsche Telekom AG

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings**Estimated payback**

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

Fujitsu Limited

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings**Estimated payback**

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

GSMA

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings**Estimated payback**

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

Imperial Brands

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings**Estimated payback**

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

Intel Corporation

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings

Estimated payback

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

J Sainsbury Plc

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings

Estimated payback

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

KPMG UK

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings

Estimated payback

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

Michelin

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings

Estimated payback

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation *

reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

Microsoft Corporation

Group type of project

Change to supplier operations

Type of project

Increased levels of purchased renewable energy

Emissions targeted

Actions that would reduce both our own and our customers' emissions

Estimated timeframe for carbon reductions to be realized

Other, please specify (It depends on the size of the project)

Estimated lifetime CO2e savings

Estimated payback

Other, please specify (It depends on the type of project (on-site, PPA, virtual PPA, etc.))

Details of proposal

Install solar panels or wind turbines for Lenovo's manufacturing site in Monterrey, Mexico that is mainly producing products for Microsoft.

Requesting member

Nokia Group

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings

Estimated payback

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

Royal Bank of Canada

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings

Estimated payback

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

Stanley Black & Decker, Inc.

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings

Estimated payback

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

Swisscom

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings

Estimated payback

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

Verizon Communications Inc.

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings

Estimated payback

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

Vodafone Group

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings

Estimated payback

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

Wal Mart de Mexico

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings

Estimated payback

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

Requesting member

Walmart, Inc.

Group type of project

Other, please specify (see Details of proposal section)

Type of project

Other, please specify (see Details of proposal section)

Emissions targeted

Other, please specify (see Details of proposal section)

Estimated timeframe for carbon reductions to be realized

Other, please specify (Depends)

Estimated lifetime CO2e savings

Estimated payback

Other, please specify (Depends)

Details of proposal

Lenovo is always open for the collaborative development of emission reduction activities - either related to products or site projects. If a customer is interested, Lenovo could collaborate in the following areas: * reduce emissions associated with the transport of the goods by using the more environmentally-friendly mode of transportation * reduce emissions with packaging of the goods by using the bulk shipments and environmentally-friendly packaging alternative * reduce emissions by focusing on products with higher volume of post-consumer content * reduce emissions by offering products with higher energy efficiency features

SC2.2

(SC2.2) Have requests or initiatives by CDP Supply Chain members prompted your organization to take organizational-level emissions reduction initiatives?

No

SC3.1

(SC3.1) Do you want to enroll in the 2020-2021 CDP Action Exchange initiative?

No

SC3.2

(SC3.2) Is your company a participating supplier in CDP's 2019-2020 Action Exchange initiative?

No

SC4.1

(SC4.1) Are you providing product level data for your organization's goods or services?

No, I am not providing data

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

	I am submitting to	Public or Non-Public Submission	Are you ready to submit the additional Supply Chain Questions?
I am submitting my response	Investors Customers	Public	Yes, submit Supply Chain Questions now

Please confirm below

I have read and accept the applicable Terms