Welcome to your CDP Climate Change Questionnaire 2021

C0. Introduction

C0.1

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

TE Connectivity Ltd. (the Company) is a global industrial technology leader creating a safer, sustainable, productive, and connected future. Our broad range of connectivity and sensor solutions, proven in the harshest environments, enable advancements in transportation, industrial applications, medical technology, energy, data communications, and the home. With approximately 80,000 employees, including more than 7,500 engineers, working alongside customers in approximately 140 countries, TE ensures that EVERY CONNECTION COUNTS. Learn more at www.te.com and on LinkedIn, Facebook, WeChat and Twitter.

We became an independent, publicly traded company in 2007; however, through our predecessor companies, we trace our foundations in the connectivity business back to 1941. We are organized under the laws of Switzerland. The rights of holders of our shares are governed by Swiss law, our Swiss articles of association, and our Swiss organizational regulations.

TE Connectivity ("TE") is committed to protection of the environment and to being a responsible corporate citizen. TE has been working for many years to reduce the environmental impact of our operations and our products, including but not limited to reducing energy usage and greenhouse gas emissions. We establish and regularly review with senior management and with operations staff our environmental goals and our progress toward achieving those goals. 58 of our operating locations are registered under the ISO 14001 environmental management system standard. We have a major focus on product environmental stewardship, including reducing the presence of hazardous materials in our products. Finally, as an electronic components manufacturer, we assist our customers in meeting their need to produce smaller, lighter and more energy-efficient products, contributing to our customers' environmental improvement and GHG emissions reduction efforts as well.

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
Reporting year	September 28, 2019	September 27, 2020	No

C0.3

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

Australia
Austria
Belgium
Brazil
Canada
China
China, Hong Kong Special Administrative Region
Costa Rica
Czechia
France
Germany
Hungary
India
Ireland
Italy
Japan
Mexico
Morocco
Netherlands
New Zealand
Norway
Poland
Portugal
Republic of Korea
Romania
Russian Federation
Singapore
Slovakia
Spain
Switzerland
Taiwan, Greater China
Thailand
Ukraine
United Kingdom of Great Britain and Northern Ireland
United States of America

C0.4

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

USD

C0.5

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

Operational control

C1. Governance

C1.1

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

Yes

C1.1a

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

Position of individual(s)	Please explain
Board-level committee	In our current Corporate Responsibility Report (published in May 2021) we published our 2030 Ambitions, including our climate-related ambition of a 35% reduction in GHG emissions, after these were reviewed with our Board of Directors in June 2020. Additionally, the Nominating, Governance and Compliance Committee of TE's Board continues to annually review TE's environmental strategy, programs and performance, including actions to support and progress toward achieving TE's climate related goals (greenhouse gas emissions reductions). The committee's report on this review, including all supporting materials, is shared with all Board members.

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	Please explain

Scheduled – some meetings	Reviewing and guiding strategy Setting performance objectives Monitoring implementation and performance of objectives Monitoring and overseeing progress against goals and targets for addressing climate-related issues	The Senior Vice President of Operations reviews with the Nominating, Governance and Compliance Committee of TE's Board annually TE's environmental strategy, programs and performance, including climate-change actions and progress toward TE's GHG emissions reduction goals.

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)	Responsibility	Frequency of reporting to the board on climate-related issues
Other C-Suite Officer, please specify Executive Vice President & General Counsel	Assessing climate-related risks and opportunities	Annually
Chief Operating Officer (COO)	Both assessing and managing climate-related risks and opportunities	Annually
Environmental, Health, and Safety manager	Both assessing and managing climate-related risks and opportunities	As important matters arise

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).

The Executive Vice President and General Counsel has responsibility for the enterprise risk management function which implements a comprehensive risk management and business continuity process, which includes climate change risks and climate strategy. The responsibilities of the Senior Vice President of Operations include the Environmental Health and Safety function and the Senior Director EHS reports to this SVP. Our sustainability initiatives, including our climate change related actions, are part of our overall EHS program under the Senior Vice President of Operations and Senior Director EHS.

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 inventivized	Comment
All employees	Non-monetary reward	Emissions reduction project	
All employees	Non-monetary reward	Energy reduction project	
All employees	Monetary reward	Energy reduction project	

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	2	The process for identifying and budgeting capital projects related to climate change risk reduction and GHG emission reduction projects at the site level is short term consistent with our standard business practices.
Medium-term	2	5	The process for identifying and budgeting capital projects related to climate change risk reduction and GHG emission reduction projects at the site level is medium term consistent with our standard business practices.
Long-term	5		Long term is greater than 5 years.

C2.1b

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

We do not use a single definition of substantive impact. TE's integrated risk management process considers impacts to the business - whether financial, operational, reputational, or otherwise - at an enterprise level, a business segment level, a business unit level, an operating location level, an employee level, and a stakeholder level. The process includes risk assessments and responses to the identified risks, including the risks associated with climate change. In addition to TE's enterprise risk management process, TE engages in business continuity planning for our business units and operating locations.

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

Annually

Time horizon(s) covered

Short-term
Medium-term
Long-term

Description of process

TE's integrated risk management process considers risks for TE as a whole and for individual business units, countries, and operating locations. In addition to TE's enterprise risk management process, TE engages in business continuity planning for our business units and operating locations.

Both of these processes include consideration of climate change risks. Our staff regularly monitors climate change risks and opportunities and evaluates the potential impact on TE's operations and business. TE's environmental experts monitor GHG emissions issues and manage our environmental programs, including measuring GHG emissions, reporting and driving progress towards our GHG reduction goals. TE's environmental staff work closely with finance, risk management, operations, legal and other functions to address environmental issues - including climate change issues - and

current and emerging risks and opportunities. TE's environmental staff regularly communicates to senior management and the rest of the company on our GHG emissions and progress against our reduction goals.

In addition to these business risk mitigation activities, our risk management group also works with our insurance providers to reduce our exposures to climate change driven risks from severe weather and wildfires at our locations. Examples are designing and installing roofs for high wind exposure, flood barriers and foot print analysis to identify exposure to natural hazards (flood, windstorm and earthquake).

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	We do have some locations where current regulations create both risks (for example energy usage taxes) and opportunities (incentives for low carbon energy usage), though these are not numerous and not material for TE overall. In Shenzhen, China, where we have two manufacturing locations, one location has paid a minor energy usage tax and the other location has earned modest energy usage credits. While we do also have manufacturing locations in other geographical areas with climate-related regulations (Shanghai, Guangdong, Japan, Korea, and Singapore), these manufacturing locations have not been impacted by climate-related regulations. We continue to monitor developments in this arena, particularly in China and the EU.
Emerging regulation	Relevant, always included	TE anticipates that increasing efforts to address climate change may lead to increased requirements for TE for reporting, record keeping, and auditing of GHG emissions and energy usage records; for taxes/surcharges/quotas related to energy usage; for increased energy costs related to mandated purchases of renewable energy or credits in emissions trading schemes; for potential process control limitations on operational flexibility; and increased transportation costs.
Technology	Relevant, always included	TE is a technology company. This is an opportunity for TE as our products enable our customers to achieve their energy and GHG reduction goals. In our responses to C2.4 we have multiple examples.
Legal	Relevant, always included	TE's legal function considers all aspects of TE's business and operations, including compliance requirements related to climate-change driven regulations as mentioned above under emerging regulations and current regulations.
Market	Relevant, always included	TE is always working to address and anticipate customers' needs, including those related to climate change. In our responses to C2.4 we have multiple examples.

Reputation	Relevant, always included	We recognize that our reputation with respect to sustainability is important to our customers, our employees, our investors and the broader community. We recognize that TE could potentially face loss of business, decreased investment, employee recruitment and retention issues, and other adverse consequences if our various stakeholders did not believe that TE is taking adequate steps to address climate change.
Acute physical	Relevant, always included	Our disaster preparedness and business continuity plans include evaluations of weather extremes, including extreme temperatures, precipitation, and wind events and risk mitigation plans. Our risk management group has estimated the financial exposure of the acute physical risks addressed in these plans.
Chronic physical	Relevant, always included	Our risk management, disaster preparedness and business continuity plans include evaluations of climate change impacts on our operating locations, for example the increase in tidal flooding risks in lower elevations areas with sea level rise.

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?

No

C2.3b

(C2.3b) Why do you not consider your organization to be exposed to climate-related risks with the potential to have a substantive financial or strategic impact on your business?

	Primary reason	Please explain
Row 1	Risks exist, but none with potential to have a substantive financial or strategic impact on business	TE recognizes that there are both short term and longer term potential risks to our business related to climate change. We have risk management, disaster preparedness, and business continuity plans to mitigate these risks and to monitor the potential for these risks to become material.

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

TE Connectivity sees opportunity in the changes in product design and energy use that will be driven by regulatory changes intended to reduce energy usage and greenhouse gas emissions. As our customers continue to redesign products and introduce new products, TE – as a supplier of custom-engineered components to enable those products – will benefit. TE has always worked, and will continue to work with our customers in the energy, lighting, wind, automotive, computer, consumer electronics, communications, appliance and other industries to develop smaller, faster, smarter, lighter, and more energy efficient products, of which TE components are an important part. This opportunity exists in our Appliances; Data and Devices; Aerospace, Defense, and Marine; Energy; Industrial; Automotive; Industrial and Commercial Transportation; and Sensors business units.

Time horizon

Short-term

Likelihood

Very likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Increased sales, both to existing customers but also to new customers

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

Strong engagement with customers, with a focus on providing engineered connectivity and sensor solutions. Often our design engineers are embedded in the customers' design process, allowing us to not only assist the specific customer but to also anticipate the demands of the evolving industries we serve.

Comment

Costs are included in the normal overhead costs for the engineering, R&D, and sales organizations.

Identifier

Opp2

Where in the value chain does the opportunity occur?

Downstream

Opportunity type

Products and services

Primary climate-related opportunity driver

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

Primary potential financial impact

Increased revenues resulting from increased demand for products and services

Company-specific description

TE Connectivity sees opportunity in the changes in product design and energy use that will be driven by regulatory changes intended to reduce greenhouse gas emissions. As our customers continue to redesign products and introduce new products, TE – as a supplier of custom-engineered components to enable those products – will benefit. TE has always worked, and will continue to work with our customers in the energy, lighting, wind, automotive, computer, consumer electronics, communications, appliance and other industries to develop smaller, faster, smarter, lighter, and more energy efficient products, of which TE components are an important part. This opportunity exists in our Appliances; Data and Devices; Aerospace, Defense, and Marine; Energy; Industrial; Automotive; Industrial and Commercial Transportation; and Sensors business units.

Time horizon

Short-term

Likelihood

Very likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Increased sales

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

New product innovation and engagement with customers. See response to Opportunity 1 above.

Comment

Costs are included in the normal overhead costs for the engineering, R&D, and sales organizations.

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

Reduced indirect (operating) costs

Company-specific description

Reduced operating costs from increased energy efficiency

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Low

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

reduced energy costs

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

We have an internal program to measure, report, and drive reduced energy usage in our buildings, processes, and supporting infrastructure.

Comment

See response to opportunity 1 above

Identifier

Opp4

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

Reduced indirect (operating) costs

Company-specific description

Reduced operating costs from increased energy efficiency

Time horizon

Medium-term

Likelihood

Virtually certain

Magnitude of impact

Low

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

reduced operating costs

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

We have an internal program to measure, report, and drive reduced energy usage in our buildings, processes, and supporting infrastructure.

Comment

This is entered as both a current and short term opportunity but this is an ongoing program which will have medium term and long term opportunities also.

Identifier

Opp5

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

See comments for Opportunity 1

Time horizon

Medium-term

Likelihood

Very likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Increased sales

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp6

Where in the value chain does the opportunity occur?

Downstream

Opportunity type

Products and services

Primary climate-related opportunity driver

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

Primary potential financial impact

Increased revenues resulting from increased demand for products and services

Company-specific description

See Opportunity 1 comments

Time horizon

Long-term

Likelihood

Very likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Increased sales

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp7

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

See Opportunity 1 comments

Time horizon

Medium-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Increased sales

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp8

Where in the value chain does the opportunity occur?

Downstream

Opportunity type

Products and services

Primary climate-related opportunity driver

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

Primary potential financial impact

Increased revenues resulting from increased demand for products and services

Company-specific description

See Opportunity 1 comments

Time horizon

Long-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

See Opportunity 1 comments

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp11

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

See Opportunity 1 comments

Time horizon

Short-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

See Opportunity 1 comments

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp12

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

See Opportunity 1 comments

Time horizon

Medium-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

See Opportunity 1 comments

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp13

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

See Opportunity 1 comments

Time horizon

Long-term

Likelihood

More likely than not

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

See Opportunity 1 comments

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp14

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

Reduced indirect (operating) costs

Company-specific description

reduced operating costs

Time horizon

Long-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp15

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

more efficient production

Time horizon

Short-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp16

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

more efficient production

Time horizon

Medium-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp17

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

more efficient production

Time horizon

Long-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp18

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Resource efficiency

Primary climate-related opportunity driver

Move to more efficient buildings

Primary potential financial impact

Reduced indirect (operating) costs

Company-specific description

reduced operating costs

Time horizon

Short-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp19

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Resource efficiency

Primary climate-related opportunity driver

Move to more efficient buildings

Primary potential financial impact

Reduced indirect (operating) costs

Company-specific description

reduced operating costs

Time horizon

Medium-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp20

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Resource efficiency

Primary climate-related opportunity driver

Move to more efficient buildings

Primary potential financial impact

Reduced indirect (operating) costs

Company-specific description

reduced operating costs

Time horizon

Long-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp21

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Resource efficiency

Primary climate-related opportunity driver

Move to more efficient buildings

Primary potential financial impact

Increased revenues resulting from increased production capacity

Company-specific description

more efficient production

Time horizon

Short-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp22

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Resource efficiency

Primary climate-related opportunity driver

Move to more efficient buildings

Primary potential financial impact

Increased revenues resulting from increased production capacity

Company-specific description

more efficient production

Time horizon

Medium-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp23

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Resource efficiency

Primary climate-related opportunity driver

Move to more efficient buildings

Primary potential financial impact

Increased revenues resulting from increased production capacity

Company-specific description

more efficient production

Time horizon

Long-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp24

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 through access to new and emerging markets

Company-specific description

Time horizon

Short-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp25

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 through access to new and emerging markets

Company-specific description

Time horizon

Medium-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp26

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 through access to new and emerging markets

Company-specific description

Time horizon

Long-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp27

Where in the value chain does the opportunity occur?

Downstream

Opportunity type

Products and services

Primary climate-related opportunity driver

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

Primary potential financial impact

Increased revenues through access to new and emerging markets

Company-specific description

Time horizon

Short-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp28

Where in the value chain does the opportunity occur?

Downstream

Opportunity type

Products and services

Primary climate-related opportunity driver

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

Primary potential financial impact

Increased revenues through access to new and emerging markets

Company-specific description

Time horizon

Medium-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp29

Where in the value chain does the opportunity occur?

Downstream

Opportunity type

Products and services

Primary climate-related opportunity driver

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

Primary potential financial impact

Increased revenues through access to new and emerging markets

Company-specific description

Time horizon

Long-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp30

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 through access to new and emerging markets

Company-specific description

Time horizon

Short-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp31

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 through access to new and emerging markets

Company-specific description

Time horizon

Medium-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

Identifier

Opp32

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 through access to new and emerging markets

Company-specific description

Time horizon

Long-term

Likelihood

Likely

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

See Opportunity 1 comments

Comment

See Opportunity 1 comments

C3. Business Strategy

C3.1

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

Yes

C3.1b

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

	Intention to publish a low-carbon transition plan	Comment
Row 1	No, we do not intend to publish a low-carbon transition plan in the next two years	

C3.2

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

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

C3.2b

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

In our assessment of the strategic risks and opportunities presented by climate change, we believe that for TE it is primarily about opportunities. Our ongoing and extensive efforts to develop new products to support our customers' efforts in relation to climate change are part of our strategy of adapting to changes in current markets and positioning TE to meet the demands of future markets. Specifically, TE is supporting our customers in the transportation, aerospace, energy, and other markets by providing essential components for lower emission vehicles, electric and hybrid vehicles, lighter weight (and therefore more fuel efficient) vehicles and aircraft, and components for alternative energy, energy distribution, and other energy-efficiency applications. Risks are primarily at the operational level and in our supply chain. These include our operations in water-stressed areas; facilities in coastal areas or those areas prone to natural disasters; and access to raw materials needed to manufacture our products.

C3.3

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

	Have climate-related risks and opportunities influenced your strategy in this area?	Description of influence
Products and services	Yes	Our ongoing and extensive efforts to develop new products to support our customers efforts in relation to climate change are part of our strategy of adapting to changes in current markets and positioning TE to meet the demands of future markets. Specifically, TE is supporting our customers in the transportation, aerospace, energy, and other markets by providing essential components for lower emission vehicles, electric and hybrid vehicles, lighter weight (and therefore more fuel efficient) vehicles and aircraft, and components for alternative energy, energy distribution, and other energy-efficiency applications. Automakers in particular are faced with regulatory requirements to reduce vehicle weight. For TE, the trend for smaller and more efficient engines means increased vibrations. Increased electronic content means more

		connectors but with no extra space. Our focus on miniaturization has enabled us to create increasingly lighter products of increasing robustness using fewer materials. We have included an extensive review of climate change opportunities in question C2.4a.
Supply chain and/or value chain	Yes	We have had business continuity plans for many years. Climate change issues are considered in these plans which include disruptions in production at suppliers, transportation of materials from suppliers to our facilities, and transportation of our products to our customers, where such disruptions could be caused my many factors, including climate-related factors.
Investment in R&D	Yes	We have made and continue to make strategic decisions to invest in new product development and new facilities to meet the needs of our existing and future customers with respect to energy efficiency in transportation, aerospace, and energy distribution and other markets. These development efforts have been going on for many years, are going on now, and are expected to continue for many years. One leading example of this is our development of products for electric vehicles. Powertrain electrification and automation are the key technology drivers that will ultimately lead to a new generation of all electric, fully-autonomous vehicles. Our connector, sensor, and antenna technology innovations are key elements within these new vehicle architectures that will enable the next generation of mobility. They provide high power charging, support cloud connectivity, and provide reliable transmission of vital data from cameras and sensors around the vehicle. In our FY2019 we started and in FY2020 we completed the construction of a new facility in Germany dedicated to the production of battery cell connectivity solutions for electric and plug-in hybrid vehicles.
Operations	Yes	In 2020 we established and publicly published a goal to reduce our GHG emissions by 35% by 2030. To achieve this goal will require investments in energy efficiency for our buildings, equipment, and infrastructure and low carbon energy sources.

C3.4

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

	Financial planning elements that have been influenced	Description of influence
Row 1	Revenues Capital expenditures Capital allocation Acquisitions and divestments	Our strategic decisions for many years to invest in R&D for products related to energy efficiency in the transportation, aerospace, and energy markets have led to new products and revenues, for example, for the powertrains in electric and hybrid vehicles. Capital has been invested in a new facility in Germany, started in 2019 and completed in 2020, to produce products for electric and plug-in hybrid vehicles. We have made several acquisitions of sensor companies beginning with the acquisition of Measurement Specialties in 2014; among many other uses, sensors are used to lower emissions from internal combustion engines.

C3.4a

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

C4. Targets and performance

C4.1

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

Intensity target

C4.1b

(C4.1b) Provide details of your emissions intensity target(s) and progress made against those target(s).

Target reference number

Int 1

Year target was set

2019

Target coverage

Company-wide

Scope(s) (or Scope 3 category)

Scope 1+2 (location-based)

Intensity metric

Other, please specify

Metric tons CO2e per thousand SCCOP

Base year

2019

Intensity figure in base year (metric tons CO2e per unit of activity)

0.218

% of total base year emissions in selected Scope(s) (or Scope 3 category) covered by this intensity figure

100

Target year

2020

Targeted reduction from base year (%)

3.3

Intensity figure in target year (metric tons CO2e per unit of activity) [auto-calculated]

0.210806

% change anticipated in absolute Scope 1+2 emissions

3.3

% change anticipated in absolute Scope 3 emissions

Intensity figure in reporting year (metric tons CO2e per unit of activity)

0.205

% of target achieved [auto-calculated]

180.7061440089

Target status in reporting year

Expired

Is this a science-based target?

No, but we anticipate setting one in the next 2 years

Target ambition

Please explain (including target coverage)

Our target was for combined Scope 1 and 2 (location based) emissions. It is based upon analysis of reduction opportunities in our facilities and processes. The normalization factor is based upon the standard conversion cost of production, a measure of production volume in our factories. We have established a new reduction target as explained in C5.1.

C4.2

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

Other climate-related target(s)

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

Intensity

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

Energy consumption or efficiency

MWh

Target denominator (intensity targets only)

Other, please specify

SCCOP (which is an internal measure of productivity)

Base year

2019

Figure or percentage in base year

0.486

Target year

2020

Figure or percentage in target year

0.47

Figure or percentage in reporting year

0.446

% of target achieved [auto-calculated]

250

Target status in reporting year

Expired

Is this target part of an emissions target?

Yes. Reference emissions reduction target Oth1.

Is this target part of an overarching initiative?

No, it's not part of an overarching initiative

Please explain (including target coverage)

Our target was for normalized energy usage. It is based upon analysis of reduction opportunities in our facilities and processes. The normalization factor is based upon the standard conversion cost of production, a measure of production volume in our factories. We have established a new reduction target as explained in C5.1.

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	3	943
To be implemented*		
Implementation commenced*		
Implemented*	22	3,583
Not to be implemented		

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 production processes

Other, please specify

This is an all inclusive answer; many of the types in the drop down list are included.

Estimated annual CO2e savings (metric tonnes CO2e)

2,000

Scope(s)

Scope 2 (location-based)

Voluntary/Mandatory

Voluntary

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

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

Payback period

<1 year

Estimated lifetime of the initiative

3-5 years

Comment

This value was estimated based upon the implementation of energy savings opportunities in FY20 that were identified in Energy Treasure Hunts over the last 2 to 3 years conducted at 54 locations. In each treasure hunt, multiple (usually 10 or more) opportunities are identified. In Energy Treasure Hunts (essentially energy Kaizen events), the opportunities are all no cost or low cost with payback periods less than 1 year. We selected the initiative type of energy efficiency in production processes, but the types energy efficiency in buildings and behavioral change are also applicable to Energy Treasure Hunts. The "to be implemented" answer in C4.3a is based on opportunities identified in ETH's that were not implemented in FY20.

Initiative category & Initiative type

Energy efficiency in buildings

Other, please specify

This is an all inclusive answer; many of the types in the drop down list are included.

Estimated annual CO2e savings (metric tonnes CO2e)

1,600

Scope(s)

Scope 2 (location-based)

Voluntary/Mandatory

Voluntary

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

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

Payback period

1-3 years

Estimated lifetime of the initiative

3-5 years

Comment

Ready to Deploy (RTD) projects are energy reduction projects identified by our Energy Center of Excellence team as projects which have already been successfully implemented at some sites and are applicable to many other sites. These RTD projects were 1) compressed air leak detection and repair; 2) establishing new site energy teams; 3) energy shutoffs and procedures; 4) recovering waste heat from compressors; 5) upgrading to more energy efficient lighting; and 6) other miscellaneous energy reduction projects. We selected the initiative type of energy efficiency in buildings, but the types energy efficiency in production processes and behavioral change are also applicable to RTD's. We selected the payback period range of 1 to 3 years as most representative of our projects, though for some projects it may be less than 1 year.

C4.3c

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

Method	Comment
Financial optimization calculations	TE still has many opportunities to improve energy efficiency -- and otherwise reduce GHG emissions -- that provide savings greater than the investment required within a relatively short (0 - 2 year) timeframe.
Internal incentives/recognition programs	TE regularly reports progress against our GHG reduction goals, at TE enterprise level, business level and site level; successes are recognized as part of regular operational reviews, in company-wide publications, and through awards and showcase programs as part of global operations leadership meetings.
Other Training on accounting for energy projects	We provided training to employees on how to properly account for all costs related to energy efficiency improvements, including the costs of not making improvements, so that true costs were considered in project financial models.

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

Company-wide

Description of product/Group of products

TE Connectivity components are used in many products and industries. In those products and industries for which energy efficiency and GHG emissions are significant considerations - the most obvious examples being vehicles and aircraft - TE Connectivity provides smaller and lighter components, thereby enabling users to reduce energy usage and GHG emissions. TE Connectivity also provides components for hybrid and electric vehicles and alternative energy industries. Last, the Sensors business unit offers many products that increase fuel efficiency in vehicles.

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

Low-carbon product and avoided emissions

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

Other, please specify

Our knowledge of our products (smaller and lighter) and of the use of our products (for example, in electric vehicles)

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

Comment

By constantly reducing the size and weight of our products, through smart designs and effective materials management in the production process - which feed into customer components integrated into end-item products including vehicles and planes - TE products enable weight and fuel savings by users of those products, resulting in and enabling reductions of fuel / energy usage and related GHG emissions. We estimate 40% of our products meet this criteria. TE also supplies many components for the Hybrid and Electric vehicle market. We estimate that 30% of the components sold into the automotive market in a given year have a size or weight reduction compared with the previously utilized component.

C5. Emissions methodology

C5.1

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

Scope 1

Base year start

September 30, 2019

Base year end

September 29, 2020

Base year emissions (metric tons CO2e)

62,881

Comment

From 2009 when we started measuring our GHG emissions we have achieved a 10% reduction (normalized for production) over a three-year term, three times. In our 2020 Corporate Social Responsibility report, issued in July 2020, we announced our new combined Scopes 1 and 2 GHG emissions reduction goal; 35% over 10 years from a FY2020 baseline normalized to production. Finally, as endorsed by our senior management in July 2021, we are now also publicly stating an absolute reduction goal for combined Scopes 1 and 2, greater than 40%, for the first time. (Note our fiscal year 2020 was actually 9/28/19 through 9/25/20, but the CDP system gives an error message when these actual dates are used).

Scope 2 (location-based)

Base year start

September 30, 2019

Base year end

September 29, 2020

Base year emissions (metric tons CO2e)

495,404

Comment

From 2009 when we started measuring our GHG emissions we have achieved a 10% reduction (normalized for production) over a three-year term, three times. In our 2020 Corporate Social Responsibility report, issued in July 2020, we announced our new combined Scopes 1 and 2 GHG emissions reduction goal; 35% over 10 years from a FY2020 baseline normalized to production. Finally, as endorsed by our senior management in July 2021, we are now also publicly stating an absolute reduction goal for combined Scopes 1 and 2, greater than 40%, for the first time. (Note our fiscal year 2020 was actually 9/28/19 through 9/25/20, but the CDP system gives an error message when these actual dates are used).

Scope 2 (market-based)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

C5.2

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

The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
The Greenhouse Gas Protocol: Scope 2 Guidance

C6. Emissions data

C6.1

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

Reporting year

Gross global Scope 1 emissions (metric tons CO2e)

62,881

Comment

Note our fiscal year 2020 was actually 9/28/19 through 9/25/20, but the CDP system gives an error message when these actual dates are used.

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

Comment

Note our fiscal year 2020 was actually 9/28/19 through 9/25/20, but the CDP system gives an error message when these actual dates are used.

C6.3

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

Reporting year

Scope 2, location-based

495,404

Comment

Note our fiscal year 2019 was actually 9/28/19 through 9/25/20, but the CDP system gives an error message when these actual dates are used.

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?

Yes

C6.4a

(C6.4a) Provide details of the sources of Scope 1 and Scope 2 emissions that are within your selected reporting boundary which are not included in your disclosure.

Source

Recent Acquisitions: GHG emissions, energy consumption and water withdrawal have been reported for the entities where the Company has operational control, as defined by the GHG Protocol. Generally, the Company policy is to include data for acquisitions beginning in the first full fiscal year following the date of acquisition. We collected GHG emissions and energy consumption data for approximately 97% of square footage within the organizational boundary in fiscal 2020. The estimated 3% of square footage for which data not collected includes 1% associated with recent acquisitions and 2% associated with small locations for which data is not readily available.

Relevance of Scope 1 emissions from this source

Emissions excluded due to recent acquisition

Relevance of location-based Scope 2 emissions from this source

Emissions excluded due to recent acquisition

Relevance of market-based Scope 2 emissions from this source (if applicable)

Explain why this source is excluded

Sites are not yet fully integrated into our CSR and EHS programs

Source

Small Sites: In 2020, the operational boundary includes more than 235 owned and leased properties with manufacturing, warehousing, office, and test lab activities. Also included within our operational boundary are small sites (typically less than 20,000 square feet) with no energy intensive processes (for example, sales and business offices). We do not collect energy data for these small sites as it is not readily available (included with lease payments or otherwise paid by others). We estimate these “small sites” to total less than 2.3% of the total square footage we occupy. We therefore do not include associated emissions for these “small sites” as they are deemed to be immaterial.

Relevance of Scope 1 emissions from this source

Emissions are relevant but not yet calculated

Relevance of location-based Scope 2 emissions from this source

Emissions are relevant but not yet calculated

Relevance of market-based Scope 2 emissions from this source (if applicable)

Explain why this source is excluded

Data is not readily available and the emissions associated with these locations is not material.

C6.5

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

Purchased goods and services

Evaluation status

Relevant, calculated

Metric tonnes CO2e

2,210,000

Emissions calculation methodology

We used the Quantis model to initially identify the top Scope 3 categories, then used the US EEIO model to calculate the Scope3 emissions.

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

0

Please explain

This is our first year reporting Scope 3 emissions for categories other than business travel.

Capital goods

Evaluation status

Relevant, calculated

Metric tonnes CO2e

60,000

Emissions calculation methodology

We used the Quantis model to initially identify the top Scope 3 categories, then used the US EEIO model to calculate the Scope3 emissions.

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

0

Please explain

This is our first year reporting Scope 3 emissions for categories other than business travel.

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

Evaluation status

Relevant, calculated

Metric tonnes CO2e

126,000

Emissions calculation methodology

We used the Quantis model to initially identify the top Scope 3 categories, then used the UK government provided (but global) scope 3 emission factors: https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2021 which are based on fuel specific and electricity region specific emission factors.

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

0

Please explain

This is our first year reporting Scope 3 emissions for categories other than business travel.

Upstream transportation and distribution

Evaluation status

Relevant, calculated

Metric tonnes CO2e

416,000

Emissions calculation methodology

We used the Quantis model to initially identify the top Scope 3 categories, then used the US EEIO model to calculate the Scope3 emissions.

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

0

Please explain

This is our first year reporting Scope 3 emissions for categories other than business travel.

Waste generated in operations

Evaluation status

Relevant, calculated

Metric tonnes CO2e

15,500

Emissions calculation methodology

We used the Quantis model.

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

0

Please explain

This is our first year reporting Scope 3 emissions for categories other than business travel.

Business travel

Evaluation status

Relevant, calculated

Metric tonnes CO2e

6,751

Emissions calculation methodology

Distance and aircraft based calculation.

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

100

Please explain

This value is based on data provided by our travel partner and includes all countries except India and Japan.

Employee commuting

Evaluation status

Relevant, calculated

Metric tonnes CO2e

20,400

Emissions calculation methodology

We used the Quantis model.

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

0

Please explain

This is our first year reporting Scope 3 emissions for categories other than business travel.

Upstream leased assets

Evaluation status

Not relevant, explanation provided

Please explain

We do not have upstream leased assets.

Downstream transportation and distribution

Evaluation status

Not relevant, explanation provided

Please explain

Our upstream transportation and distribution includes all transportation and distribution for which TE contracts.

Processing of sold products

Evaluation status

Not relevant, explanation provided

Please explain

Our products are components which are incorporated into OEM products in their manufacturing process.

Use of sold products

Evaluation status

Not relevant, explanation provided

Please explain

Our products are components which are incorporated into OEM products in their manufacturing process.

End of life treatment of sold products

Evaluation status

Relevant, calculated

Metric tonnes CO2e

6,900

Emissions calculation methodology

We used the Quantis model.

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

0

Please explain

This is our first year reporting Scope 3 emissions for categories other than business travel.

Downstream leased assets

Evaluation status

Not relevant, explanation provided

Please explain

We do not have downstream leased assets.

Franchises

Evaluation status

Not relevant, explanation provided

Please explain

We do not have franchises.

Investments

Evaluation status

Relevant, calculated

Metric tonnes CO2e

58,000

Emissions calculation methodology

We used the Quantis model.

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

0

Please explain

This is our first year reporting Scope 3 emissions for categories other than business travel.

Other (upstream)

Evaluation status

Please explain

Other (downstream)

Evaluation status

Please explain

C6.7

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

Yes

C6.7a

(C6.7a) Provide the emissions from biogenic carbon relevant to your organization in metric tons CO2.

	CO2 emissions from biogenic carbon (metric tons CO2)	Comment
Row 1	711	This is from the use of biogas at the third party owned cogeneration plant supplying superheated water to our Dinkelsbuhl, Germany location. These biogenic emissions are not included in our reported Scope 1 and Scope 2 emissions.

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

45.9

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

558,285

Metric denominator

unit total revenue

Metric denominator: Unit total

12,172,000,000

Scope 2 figure used

Location-based

% change from previous year

8.5

Direction of change

Increased

Reason for change

Our total Scope 1 and 2 emissions decreased by 1.8% but our revenue was impacted by COVID19 related disruptions to production.

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
SF6	25,205	IPCC Fifth Assessment Report (AR5 – 100 year)
HFCs	1,361	IPCC Fifth Assessment Report (AR5 – 100 year)
Other, please specify all other Scope 1 GHG emissions are from fuel combustion	36,315	IPCC Fifth Assessment Report (AR5 – 100 year)

C7.2

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

Country/Region	Scope 1 emissions (metric tons CO2e)
Asia, Australasia	8,236
Europe, Middle East and Africa (EMEA)	37,123
Americas	17,522

C7.3

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

By business division

C7.3a

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

Business division	Scope 1 emissions (metric ton CO2e)
Industrial Solutions Segment	33,529
Consumer Solutions Segment	12,694
Transportation Solutions Segment	14,690
Corporate/Other	1,968

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)
Asia, Australasia	222,567		327,827	
Europe, Middle East and Africa (EMEA)	151,406		380,988	
Americas	121,431		327,977	

C7.6

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

By business division

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)
Industrial Solutions Segment	110,237	
Consumer Solutions Segment	109,336	
Transportation Solutions Segment	257,399	
Corporate/Other	18,432	

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	1,000	Decreased	0.2	This is an estimated value based on the Increase in on-site solar electricity generation at 4 locations.
Other emissions reduction activities	11,760	Decreased	2.1	This value captures the year to year change adjusted for increases from acquisitions and decreases based on renewable energy consumption.
Divestment	0	No change	0	
Acquisitions	2,693	Increased	0.5	Our GHG emissions data for FY2020 includes four locations associated with the Alpha Technics and Kissling acquisitions.
Mergers	0	No change	0	

Change in output	0	No change	0	We do not have a way to directly correlate GHG emissions changes with the production volume changes so we have reported the total changes under Other Emissions Reduction Activities above.
Change in methodology	0	No change	0	
Change in boundary	0	No change	0	
Change in physical operating conditions	0	No change	0	
Unidentified	0	No change	0	
Other	0	No change	0	

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	Yes

Consumption of purchased or acquired steam	No
Consumption of purchased or acquired cooling	No
Generation of electricity, heat, steam, or cooling	Yes

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)	Unable to confirm heating value	0	173,673	173,673
Consumption of purchased or acquired electricity		55,120	971,191	1,026,311
Consumption of purchased or acquired heat		3,610	11,047	14,657
Consumption of self-generated non-fuel renewable energy		1,230		1,230
Total energy consumption		59,960	1,155,911	1,215,871

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	Yes

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

Unable to confirm heating value

Total fuel MWh consumed by the organization

15,699

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

15,699

MWh fuel consumed for self-cogeneration or self-trigeneration

0

Emission factor

2.69

Unit

metric tons CO2e per m3

Emissions factor source

Intergovernmental Panel on Climate Change (IPCC) National GHG Inventory Guidance 2014 Fifth Assessment Report Default Emission Factors in the Manufacturing Category

Comment

Because the usage for electricity generation was so small when we measured it in FY2018 (less than 1%), we no longer track usage for electricity generation separately and report all diesel usage as usage for heat. We also note that usage of fuel for fleet vehicles is not one of the options, so we also included fleet vehicle usage with generation of heat. In fact, fleet vehicle usage is ~85% of the total diesel usage.

Fuels (excluding feedstocks)

Ethane

Heating value

Unable to confirm heating value

Total fuel MWh consumed by the organization

44

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

44

MWh fuel consumed for self-cogeneration or self-trigeneration

0

Emission factor

222

Unit

kg CO2e per MWh

Emissions factor source

Intergovernmental Panel on Climate Change (IPCC) National GHG Inventory Guidance 2014 Fifth Assessment Report Default Emission Factors in the Manufacturing Category

Comment

Fuels (excluding feedstocks)

Natural Gas

Heating value

Unable to confirm heating value

Total fuel MWh consumed by the organization

144,882

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

144,882

MWh fuel consumed for self-cogeneration or self-trigeneration

0

Emission factor

0.0019

Unit

metric tons CO2e per m3

Emissions factor source

Intergovernmental Panel on Climate Change (IPCC) National GHG Inventory Guidance 2014 Fifth Assessment Report Default Emission Factors in the Manufacturing Category

Comment

Fuels (excluding feedstocks)

Liquefied Petroleum Gas (LPG)

Heating value

Unable to confirm heating value

Total fuel MWh consumed by the organization

4,830

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

4,830

MWh fuel consumed for self-cogeneration or self-trigeneration

0

Emission factor

0.002

Unit

metric tons CO2e per liter

Emissions factor source

Intergovernmental Panel on Climate Change (IPCC) National GHG Inventory Guidance 2014 Fifth Assessment Report Default Emission Factors in the Manufacturing Category

Comment

Fuels (excluding feedstocks)

Petrol

Heating value

Unable to confirm heating value

Total fuel MWh consumed by the organization

4,125

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

4,125

MWh fuel consumed for self-cogeneration or self-trigeneration

0

Emission factor

2.28

Unit

metric tons CO2e per m3

Emissions factor source

Intergovernmental Panel on Climate Change (IPCC) National GHG Inventory Guidance 2014 Fifth Assessment Report Default Emission Factors in the Manufacturing Category

Comment

We also note that usage of fuel for fleet vehicles is not one of the options, so we also reported fleet vehicle usage as generation of heat. In fact, fleet vehicle usage is ~100% of the total diesel usage.

Fuels (excluding feedstocks)

Residual Fuel Oil

Heating value

Unable to confirm heating value

Total fuel MWh consumed by the organization

3,229

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

3,229

MWh fuel consumed for self-cogeneration or self-trigeneration

0

Emission factor

2.95

Unit

metric tons CO2e per GJ

Emissions factor source

Intergovernmental Panel on Climate Change (IPCC) National GHG Inventory Guidance 2014 Fifth Assessment Report Default Emission Factors in the Manufacturing Category

Comment

Fuels (excluding feedstocks)

Bituminous Coal

Heating value

Unable to confirm heating value

Total fuel MWh consumed by the organization

864

MWh fuel consumed for self-generation of electricity

0

MWh fuel consumed for self-generation of heat

864

MWh fuel consumed for self-cogeneration or self-trigeneration

0

Emission factor

0.081

Unit

metric tons CO2e per GJ

Emissions factor source

Intergovernmental Panel on Climate Change (IPCC) National GHG Inventory Guidance 2014 Fifth Assessment Report Default Emission Factors in the Manufacturing Category

Comment

C8.2d

(C8.2d) Provide details on the electricity, heat, steam, and cooling your organization has generated and consumed in the reporting year.

	Total Gross generation (MWh)	Generation that is consumed by the organization (MWh)	Gross generation from renewable sources (MWh)	Generation from renewable sources that is consumed by the organization (MWh)
Electricity	1,230	1,230	1,230	1,230
Heat	0	0	0	0
Steam	0	0	0	0
Cooling	0	0	0	0

C9. Additional metrics

C9.1

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

Description
Energy usage

Metric value
1,215,871

Metric numerator
Energy usage absolute year over year

Metric denominator (intensity metric only)
NA

% change from previous year
4

Direction of change
Decreased

Please explain
Units are MWH

Description
Energy usage

Metric value
99.9

Metric numerator
Energy usage

Metric denominator (intensity metric only)
Net sales in million $

% change from previous year
6.1

Direction of change
Increased

Please explain
Sales (impacted from COVID) decreased more than our energy usage.

Description

Other, please specify

SF6 releases from electron beams

Metric value

92.9

Metric numerator

% reduction in SF6 releases from e-beams vs. FY10

Metric denominator (intensity metric only)

NA

% change from previous year

1.9

Direction of change

Increased

Please explain

We measure our Scope 1 releases of SF6 from our electron beaming operations. Since FY2010 these SF6 releases have decreased 92.9%. From FY19 to FY20 our % reduction increased from 91% to 92.9%.

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	No third-party verification or assurance

C10.1a

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

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

FY20 Stmt GHG Energy Water Withdrawal Final.pdf

Page/ section reference

p.1

Relevant standard

Attestation standards established by AICPA (AT105)

Proportion of reported emissions verified (%)

100

C10.1b

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

Scope 2 approach

Scope 2 location-based

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

FY20 Stmt GHG Energy Water Withdrawal Final.pdf

Page/ section reference

p. 1

Relevant standard

Attestation standards established by AICPA (AT105)

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
C7. Emissions breakdown	Year on year change in emissions (Scope 1 and 2)	AT105	We engaged Deloitte & Touche LLP to perform a review in accordance with the attestation standards established by the American Institute of Certified Public Accountants (AICPA) of management's assertion that Scope 1 and 2 decreased from Fiscal year 2020 to Fiscal year 2019 as presented in Table 1 of the 2020 Statement of GHG, Energy, and Water Withdrawal (Statement) is presented in accordance with the GHG Protocol. The data point included within the CDP disclosure question C7 that is included in the Statement is: C7.9: Increase in gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year? Our assurance process is annual. The assurance covers our Scope 1 and 2 GHG emissions, our energy usage, and water withdrawals within entities under our operational control as defined in the GHG Protocol. 1
C6. Emissions data	Year on year emissions intensity figure	AT105	We engaged Deloitte & Touche LLP to perform a review in accordance with the attestation standards established by the American Institute of Certified Public Accountants (AICPA) of management's assertion that Scope 1 and 2 decreased from Fiscal year 2020 to Fiscal year 2019 as presented in Table 1 of the 2020 Statement of GHG, Energy, and Water Withdrawal (Statement) is presented in accordance with the

			GHG Protocol. The data point included within the CDP disclosure question C7 that is included in the Statement is: C6.10: Intensity figure, location-based, % change from previous year, direction of change. Our assurance process is annual. The assurance covers our Scope 1 and 2 GHG emissions, our energy usage, and water withdrawals within entities under our operational control as defined in the GHG Protocol. 1
C6. Emissions data	Other, please specify Biogenic emissions	AT105	We engaged Deloitte & Touche LLP to perform a review in accordance with the attestation standards established by the American Institute of Certified Public Accountants (AICPA) of management's assertion that the ESG disclosures referenced or included within the Statement of GHG, Energy, and Water Withdrawal (Statement) are presented in accordance with the GHG protocol. The data points included within the CDP disclosure question C6 that are part of the ESG disclosures referenced or included in the Statement are: C6.7a. Biogenic emissions. Our assurance process is annual. The assurance covers our Scope 1 and 2 GHG emissions, our energy usage, and water withdrawals within entities under our operational control as defined in the GHG Protocol. 1
C8. Energy	Other, please specify Renewable energy usage	AT105	We engaged Deloitte & Touche LLP to perform a review in accordance with the attestation standards established by the American Institute of Certified Public Accountants (AICPA) of management's assertion that GRI 302-1 presented in Table 2 of the 2020 Statement of GHG, Energy, and Water Withdrawal (Statement) is presented in accordance with the GRI Standard 302-1. The data point included within the CDP disclosure question C8 that is included in the Statement is: C8.2d: Generation from renewable sources that is consumed by the organization (MWh). Our assurance process is annual. The assurance

			covers our Scope 1 and 2 GHG emissions, our energy usage, and water withdrawals within entities under our operational control as defined in the GHG Protocol. 1
C8. Energy	Energy consumption	AT105	We engaged Deloitte & Touche LLP to perform a review in accordance with the attestation standards established by the American Institute of Certified Public Accountants (AICPA) of management's assertion that GRI 302-1 presented in Table 2 of the 2020 Statement of GHG, Energy, and Water Withdrawal (Statement) is presented in accordance with the GRI Standard 302-1. The data points included within the CDP disclosure question C8 that are included in the Statement are: C8.2a: Total (renewable and non-renewable) MWh for non-renewable fuel, purchased electricity, purchased heating, and renewable electricity. Our assurance process is annual. The assurance covers our Scope 1 and 2 GHG emissions, our energy usage, and water withdrawals within entities under our operational control as defined in the GHG Protocol. 1
C9. Additional metrics	Other, please specify Energy usage intensity	AT105	We engaged Deloitte & Touche LLP to perform a review in accordance with the attestation standards established by the American Institute of Certified Public Accountants (AICPA) of management's assertion that GRI 302-3 presented in Table 2 of the 2020 Statement of GHG, Energy, and Water Withdrawal (Statement) is presented in accordance with the GRI Standard 302-3. The data point included within the CDP disclosure question C8 that is included in the Statement is: C9.1 – Energy usage per net sales in millions. Our assurance process is annual. The assurance covers our Scope 1 and 2 GHG emissions, our energy usage, and water withdrawals within entities under our operational control as defined in the GHG Protocol. 1

C7. Emissions breakdown	Other, please specify SF6 and HFC's	AT105	We engaged Deloitte & Touche LLP to perform a review in accordance with the attestation standards established by the American Institute of Certified Public Accountants (AICPA) of management's assertion that the Scope 1 and 2 emissions by GHG type presented in Note 4 of the 2020 Statement of GHG, Energy, and Water Withdrawal (Statement) is presented in accordance with the GHG Protocol. The data point included within the CDP disclosure question C7 that is included in the Statement is: SF6, HFC . Our assurance process is annual. The assurance covers our Scope 1 and 2 GHG emissions, our energy usage, and water withdrawals within entities under our operational control as defined in the GHG Protocol. 1

[1]FY20 Stmt GHG Energy Water Withdrawal Final.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.

Shenzhen pilot ETS

C11.1b

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

Shenzhen pilot ETS

% of Scope 1 emissions covered by the ETS

100

% of Scope 2 emissions covered by the ETS

100

Period start date

January 1, 2020

Period end date

December 31, 2020

Allowances allocated

23,339

Allowances purchased

6,032

Verified Scope 1 emissions in metric tons CO2e

100

Verified Scope 2 emissions in metric tons CO2e

100

Details of ownership

Facilities we operate but do not own

Comment

The allowances allocated data are for both of our manufacturing locations in Shenzhen for CY2020. The allowances purchased is for one of these two locations; the second location has accumulated excess allowances from prior years (2014 through 2018). However, the local government has decreased the allowance in 2019 and 2020 compared to prior years and this site has used the excess allowances from prior years to offset requirements to purchase allowances. Nearly all of the emissions reported are from electricity usage. The remainder is from diesel usage for engines used to power our fire protection system pumps.

C11.1d

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

Our strategy for the only sites where we are currently regulated (Shenzhen, China) is to monitor our usage and implement energy reduction initiatives. We note that the quotas issued by the Shenzhen local government are decreasing. We also have manufacturing locations in other areas with climate-related regulations (Shanghai, Guangdong, Japan, Korea, and Singapore). To date, these manufacturing locations have not been impacted by climate-related regulations. Our strategy to prepare for compliance with future regulations, for these China, Japan, Korea, and Singapore facilities (and well as in other areas if new regulations are issued; we note the July 2021 Fit for 55 announcement by the EU) is to monitor our GHG emissions and energy usage at our facilities globally, to compare our performance to current and future requirements (when these become known), determine our options for compliance, and implement the selected option.

C11.2

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

No

C11.3

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

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

C12. Engagement

C12.1

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

Yes, our customers

C12.1b

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

Type of engagement

Other, please specify

Carbon footprint of products

Details of engagement

Other, please specify

Responding to customer information requests regarding sustainability overall, most of which specifically include climate change issues, for example the GHG emissions associated with the products they purchase from TE.

% of customers by number

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

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

We have thousands of customers. We do not track the number of customers who submit requests for GHG data. This year 22 of our customers are participating in the CDP Supply Chain. Hundreds of other customers request sustainability information from TE through their own company specific or other association (for example NQC)

surveys. While the overall percentage of customers who request this data in small, the number increases every year and the detail requested increases every year.

Impact of engagement, including measures of success

The GHG emissions data allows our customers to better understand their Scope 3 GHG emissions.

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?

Trade associations

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

Global Business Alliance

Is your position on climate change consistent with theirs?

Unknown

Please explain the trade association's position

To our knowledge this organization does not have a position on climate change.

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

We have not attempted to influence this organization on climate change policy.

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?

TE is a member of several trade associations. Although TE does not actively engage with these associations on the topic of climate change, our dues support the associations' overall advocacy efforts which may include climate change. We monitor the positions of these trade organizations.

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

TE Connectivity Ltd DJSI 2021 Submission_Final.pdf

Page/Section reference

Section 2.3 Operational Eco-Efficiency of our DJSI submittal

Content elements

Governance
Strategy
Risks & opportunities
Emissions figures
Emission targets
Other metrics

Comment

We report to the DJSI annually.

Publication

In mainstream reports, incorporating the TCFD recommendations

Status

Complete

Attach the document

TEConnectivityTCFDReport2020.pdf

Page/Section reference

pp. 1-5

Content elements

Governance
Strategy

Risks & opportunities
Emissions figures
Emission targets
Other metrics

Comment

This was the first year we submitted the TCFD report. This document is publicly available on our Corporate Responsibility web site. https://www.te.com/content/dam/te-com/documents/about-te/corporate-responsibility/global/TEConnectivityTCFDReport2020.pdf

Publication

In voluntary sustainability report

Status

Complete

Attach the document

FY20 Stmt GHG Energy Water Withdrawal Final.pdf

Page/Section reference

pp. 6, 16-18, 33-34

Content elements

Governance
Strategy
Risks & opportunities
Emissions figures
Emission targets
Other metrics
Other, please specify
This report is a broad corporate social responsibility report.

Comment

The file is larger (>30 MB) than the CDP site will allow to be uploaded. The report is publicly available on our Corporate Responsibility website. https://www.te.com/usa-en/about-te/corporate-responsibility.html

C15. Signoff

C-FI

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

C15.1

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

	Job title	Corresponding job category
Row 1	Senior Director, EHS	Environment/Sustainability manager

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, I will submit the Supply Chain questions now

Please confirm below

I have read and accept the applicable Terms