# Continental AG - Climate Change 2023

## C0. Introduction

### C0.1

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

Continental AG is the parent company of the Continental Group. In addition to Continental AG, the Continental Group comprises 477 companies, including non-controlled companies. The Continental team is made up of 199,038 employees at 519 locations for production, research and development, and administration in 57 countries and markets. Added to this are distribution locations, with 917 company-owned tire outlets and a total of around 5,228 franchises and operations with a Continental brand presence.

The Continental Group is divided into four group sectors: Automotive, Tires, ContiTech and Contract Manufacturing. As of January 1, 2023, these comprise a total of 18 business areas.

A group sector or business area with overall responsibility for a business, including its results, is classified according to product requirements, market trends, customer groups and distribution channels.

Overall responsibility for managing the company is borne by the Executive Board of Continental Aktiengesellschaft (AG). The Automotive, Tires and ContiTech group sectors are each represented on the Executive Board. The group functions of Continental AG are represented by the chairman of the Executive Board, the chief financial officer and the Executive Board member responsible for Human Relations, and assume the functions required to manage the Continental Group across the group sectors. They include, in particular, Finance, Controlling, Compliance, Law, IT, Human Relations, Sustainability, and Quality and Environment. The Group Purchasing group function is represented by the Executive Board member responsible for the Tires group sector.

### C0.2

**(C0.2) State the start and end date of the year for which you are reporting data and indicate whether you will be providing emissions data for past reporting years.**

**Reporting year**

**Start date**
January 1 2022

**End date**
December 31 2022

**Indicate if you are providing emissions data for past reporting years**
Yes

**Select the number of past reporting years you will be providing Scope 1 emissions data for**
2 years

**Select the number of past reporting years you will be providing Scope 2 emissions data for**
2 years

**Select the number of past reporting years you will be providing Scope 3 emissions data for**
1 year

### C0.3

**(C0.3) Select the countries/areas in which you operate.**

Australia
Belgium
Brazil
Canada
Chile
China
Czechia
Ecuador
Finland
France
Germany
Greece
Hungary
India
Italy
Japan
Lithuania
Malaysia
Mexico
Morocco
Philippines
Poland
Portugal
Republic of Korea
Romania
Serbia
Singapore
Slovakia
Slovenia
South Africa
Spain
Sri Lanka
Thailand
Turkey
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.**

EUR

## 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

## C0.8

**(C0.8) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?**

| Indicate whether you are able to provide a unique identifier for your organization | Provide your unique identifier |
|---|---|
| Yes, an ISIN code | DE0005439004 |

# 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 or committee | Responsibilities for climate-related issues |
|---|---|
| Board-level committee | The Group Sustainability Steering Committee is responsible for identifying, assessing and monitoring interdepartmental issues, weighing up climate-related risks and opportunities and discussing relevant Executive Board decisions in advance, including all climate-related activities. In fiscal 2022, it consisted of the entire Executive Board as well as the heads of the sustainability functions at corporate level and group sector level as well as the heads of other relevant group functions. The committee is chaired by the Executive Board member for Human Relations (director of Labor Relations) & Sustainability and managed by the head of the Group Sustainability group function. Some of the group sectors have their own interdepartmental sustainability committees, which are coordinated by the relevant sustainability functions. A decision made in the last 2 years was to establish the "Decarbonization Roadmap 2040" as a project at Group level. Decisions made there include the concrete interim targets of the decarbonisation target path, an internal monitoring platform for decarbonisation or the introduction of the internal CO2 price, that was implemented in 2022. |
| Chief Executive Officer (CEO) | The highest level of responsibility for climate change strategy and management within Continental is our CEO (Chief Executive Officer / Chairman of the Executive Board). Amongst other issues, he is responsible for Corporate Environmental & Climate Protection, which includes climate change as a major issue. The climate change management is part of his executive portfolio. |
| Other C-Suite Officer | Ultimate responsibility for sustainability lies with the Executive Board member for Group Human Relations and Group Sustainability, under whose supervision the Group Sustainability group function is responsible for sustainability management in the Continental Group. Sustainability organization is further supplemented by sustainability functions in the group sectors as well as coordinators in several business areas and countries. |
| Chief Financial Officer (CFO) | The CFO also has some responsibility for sustainability issues. The CFO is part of the Sustainability Committee. Climate change data, risks and opportunities are a regular agenda topic in their meetings. The CFO furthermore oversees the Group risk management process which includes climate change topics. |

## C1.1b

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

| Frequency with which climate-related issues are a scheduled agenda item | Governance mechanisms into which climate-related issues are integrated | Scope of board-level oversight | Please explain |
|---|---|---|---|
| Scheduled – some meetings | Reviewing and guiding annual budgets<br>Overseeing major capital expenditures<br>Overseeing acquisitions, mergers, and divestitures<br>Overseeing and guiding employee incentives<br>Reviewing and guiding strategy<br>Overseeing and guiding the development of a transition plan<br>Monitoring the implementation of a transition plan<br>Overseeing the setting of corporate targets<br>Monitoring progress towards corporate targets<br>Reviewing and guiding the risk management process | <Not Applicable> | The climate related risks and opportunities as well as the climate strategy are regularly reported via "Management Reviews" which are provided to the Executive Board. Based on the performance results and the implemented action plans, they steer and decide upon the necessary steps to improve our climate strategy.<br>The Group strategy includes all risks and opportunities relevant to our existing and future product portfolio. |

## C1.1d

**(C1.1d) Does your organization have at least one board member with competence on climate-related issues?**

| | Board member(s) have competence on climate-related issues | Criteria used to assess competence of board member(s) on climate-related issues | Primary reason for no board-level competence on climate-related issues | Explain why your organization does not have at least one board member with competence on climate-related issues and any plans to address board-level competence in the future |
|---|---|---|---|---|
| Row 1 | Yes | Our CHRO has been officially entrusted by the Supervisory Board with all topics regarding sustainability. She also officially serves as head of the Sustainability Committee and is regularly informed about all important sustainability and climate issues for the entire Group. | <Not Applicable> | <Not Applicable> |

## C1.2

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

**Position or committee**
Other C-Suite Officer, please specify (CEO, CFO, CHRO)

**Climate-related responsibilities of this position**
Managing annual budgets for climate mitigation activities
Managing major capital and/or operational expenditures related to low-carbon products or services (including R&D)
Managing climate-related acquisitions, mergers, and divestitures
Providing climate-related employee incentives
Developing a climate transition plan
Implementing a climate transition plan
Integrating climate-related issues into the strategy
Setting climate-related corporate targets
Monitoring progress against climate-related corporate targets
Assessing climate-related risks and opportunities

**Coverage of responsibilities**
<Not Applicable>

**Reporting line**
Reports to the board directly

**Frequency of reporting to the board on climate-related issues via this reporting line**
Quarterly

**Please explain**
The climate related risks and opportunities as well as the climate strategy are regularly reported via "Management Reviews" which are provided to the Executive Board. Based on the performance results and the implemented action plans, they steer and decide upon the necessary steps to improve our climate strategy.
The Group strategy includes all risks and opportunities relevant to our existing and future product portfolio.

## 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 | As an example, the target achievement of carbon neutrality is part of long-term incentives and flexible payments for Board Members and Executives |

## 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**
Board/Executive board

**Type of incentive**
Monetary reward

**Incentive(s)**
Bonus - % of salary

**Performance indicator(s)**
Progress towards a climate-related target
Achievement of a climate-related target
Reduction in absolute emissions

**Incentive plan(s) this incentive is linked to**
Long-Term Incentive Plan

**Further details of incentive(s)**
Financial incentive to achieve the climate targets that have been passed.

**Explain how this incentive contributes to the implementation of your organization's climate commitments and/or climate transition plan**
Financial incentive to achieve the climate targets that have been passed.

**Entitled to incentive**
Other, please specify (All Executives)

**Type of incentive**
Monetary reward

**Incentive(s)**
Bonus - % of salary

**Performance indicator(s)**
Progress towards a climate-related target
Achievement of a climate-related target
Reduction in absolute emissions

**Incentive plan(s) this incentive is linked to**
Long-Term Incentive Plan

**Further details of incentive(s)**
Financial incentive to achieve the climate targets that have been passed.

**Explain how this incentive contributes to the implementation of your organization's climate commitments and/or climate transition plan**
Financial incentive to achieve the climate targets that have been passed.

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**Entitled to incentive**
Management group

**Type of incentive**
Monetary reward

**Incentive(s)**
Bonus - % of salary

**Performance indicator(s)**
Progress towards a climate-related target
Achievement of a climate-related target
Reduction in absolute emissions

**Incentive plan(s) this incentive is linked to**
Long-Term Incentive Plan

**Further details of incentive(s)**
Financial incentive to achieve the climate targets that have been passed.

**Explain how this incentive contributes to the implementation of your organization's climate commitments and/or climate transition plan**
Financial incentive to achieve the climate targets that have been passed.

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**Entitled to incentive**
Environment/Sustainability manager

**Type of incentive**
Monetary reward

**Incentive(s)**
Salary increase

**Performance indicator(s)**
Progress towards a climate-related target
Achievement of a climate-related target
Reduction in absolute emissions

**Incentive plan(s) this incentive is linked to**
Not part of an existing incentive plan

**Further details of incentive(s)**
Financial incentive to achieve the climate targets that have been passed.

**Explain how this incentive contributes to the implementation of your organization's climate commitments and/or climate transition plan**
Financial incentive to achieve the climate targets that have been passed.

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**Entitled to incentive**
Facilities manager

**Type of incentive**
Monetary reward

**Incentive(s)**
Salary increase

**Performance indicator(s)**
Progress towards a climate-related target
Achievement of a climate-related target
Reduction in absolute emissions

**Incentive plan(s) this incentive is linked to**
Not part of an existing incentive plan

**Further details of incentive(s)**
Financial incentive to achieve the climate targets that have been passed.

**Explain how this incentive contributes to the implementation of your organization's climate commitments and/or climate transition plan**
Financial incentive to achieve the climate targets that have been passed.

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**Entitled to incentive**
Other, please specify (Group Sector Heads of Environment)

**Type of incentive**
Monetary reward

**Incentive(s)**
Promotion

**Performance indicator(s)**

Progress towards a climate-related target
Achievement of a climate-related target
Reduction in absolute emissions

**Incentive plan(s) this incentive is linked to**
This position does not have an incentive plan

**Further details of incentive(s)**
Financial incentive to achieve the climate targets that have been passed.

**Explain how this incentive contributes to the implementation of your organization's climate commitments and/or climate transition plan**
Financial incentive to achieve the climate targets that have been passed.

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**Entitled to incentive**
Procurement manager

**Type of incentive**
Monetary reward

**Incentive(s)**
Salary increase

**Performance indicator(s)**
Progress towards a climate-related target
Achievement of a climate-related target
Reduction in absolute emissions

**Incentive plan(s) this incentive is linked to**
Not part of an existing incentive plan

**Further details of incentive(s)**
Financial incentive to achieve the climate targets that have been passed.

**Explain how this incentive contributes to the implementation of your organization's climate commitments and/or climate transition plan**
Financial incentive to achieve the climate targets that have been passed.

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**Entitled to incentive**
All employees

**Type of incentive**
Monetary reward

**Incentive(s)**
Promotion

**Performance indicator(s)**
Progress towards a climate-related target
Achievement of a climate-related target
Reduction in absolute emissions

**Incentive plan(s) this incentive is linked to**
This position does not have an incentive plan

**Further details of incentive(s)**
Financial incentive to achieve the climate targets that have been passed.

**Explain how this incentive contributes to the implementation of your organization's climate commitments and/or climate transition plan**
Financial incentive to achieve the climate targets that have been passed.

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## C2. Risks and opportunities

### C2.1

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

### C2.1a

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

| | From (years) | To (years) | Comment |
|---|---|---|---|
| Short-term | 0 | 1 | Short term refers to immediate risks that can be responded to and resolved within 1 year. |
| Medium-term | 1 | 6 | Medium term refers to observable risks over a 1-6 year time-horizon that require the implementation of programs and targets to resolve climate-related issues. |
| Long-term | 6 | 20 | Long term refers to long lasting ambitions and goals over a 6-20 year time horizon that require advanced planning to achieve and overcome long-term climate risks. |

## C2.1b

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

Substantive financial or strategic impacts are defined by Continental as risks that exceed €100 million over a short, medium or long-term, or if there is a significant negative impact on the strategic corporate goals. Significant individual risks for the corporation are identified from all reported risks based on the probability of occurrence and the amount of damage that would be caused over a short, medium or long-term. The individual risks that Continental has classified as material and the aggregated risks that have been assigned to risk categories are all described in the Report on Risks and Opportunities. This report provides the potential negative EBIT effect of an individual risk or the sum of risks included in a category if they exceed the financial threshold cited above. Our definition applies to both our direct operations, and value chain.

Disclaimer: The risk assessment methodology does not fully reflect the ESRS standards yet.

## C2.2

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

**Value chain stage(s) covered**
Direct operations
Upstream
Downstream

**Risk management process**
Integrated into multi-disciplinary company-wide risk management process

**Frequency of assessment**
More than once a year

**Time horizon(s) covered**
Short-term
Medium-term
Long-term

**Description of process**
In the GRC (Governance, Risk & Compliance) policy adopted by the Executive Board, Continental defines the general conditions for integrated GRC as a key element of the risk management system, which incorporates the identification, evaluation and management of risks. Climate-related risk management is integrated into our multi-disciplinary company-wide risk management process. The GRC system incorporates all components of risk reporting. Risks are identified, assessed and reported at the organizational level that is also responsible for managing the identified risks. The GRC system thus includes all reporting levels, from the company level to the top corporate level.

Identify
At the corporate level, the responsibilities of the GRC Committee - chaired by the Executive Board member responsible for Finance, Controlling and IT - include identifying material risks for Continental as well as complying with and implementing the GRC policy. The GRC Committee regularly informs the Executive Board & the Audit Committee of the Supervisory Board of the material risks, any weaknesses in the control system and measures taken. We work with external experts to identify potential climate-related risks & opportunities that the business could be exposed to over a short, medium and long-term under different scenarios as recommended by the TCFD. All major subsidiaries asses regularly climate-related risks in each of our regions of operations by carrying out a semi-annual assessment of business-related risks and an annual assessment of compliance risks in the GRC system's IT-aided risk management application. Any quality, legal and compliance cases that have actually occurred are also taken into account when assessing these risks.

As an example: We updated in 2021 at a corporate level our water risk assessment in 527 locations and 58 countries. Here we identified that 33% of total sites globally could be exposed to high baseline water stress by 2030, specially in our locations in Latin-America, South-East Asia and Sub-Saharan Africa. Furthermore, strategic risks are identified and assessed, for example as part of a SWOT analysis (Strengths, Weaknesses, Opportunities, Threats). Any new material risks arising ad hoc between regular reporting dates have to be reported immediately and considered by the GRC Committee. This also includes risks identified in the audits by corporate functions.

Assess
Risks and their effects are assessed using an end-to-end gross and net assessment methodology that helps to identify the impact of risk-minimizing measures. Risks are assessed primarily according to quantitative criteria in various categories. If a risk can´t be assessed quantitatively, then it is assessed qualitatively based on the potential negative effects its occurrence would have on achieving corporate goals and based on other qualitative criteria such as the impact on Continental's reputation. Risks and opportunities are not offset.

Material individual risks for the Continental Group are identified from all the reported risks based on the probability of occurrence and the potential amount of damage that would be caused in the period under consideration. Quantified risks are based on EBIT effect and free cash flow effect. The individual risks that Continental has classified as material and the aggregated risks that have been assigned to risk categories are all described in the report on risks and opportunities, provided the potential negative effect of an individual risk or the sum of risks included in a category exceeds €100 million over a short/medium/long-term or if there is a significant negative impact on the corporate goals.

The aggregated risk inventory is compared with the risk-bearing capacity determined under both the liquidation and going-concern approaches, taking into account possible interactions, and is supplemented by a qualitative assessment by the GRC Committee on non-quantifiable risks in order to derive a statement on the potential risk to the Continental Group.

Whilst it is difficult to accurately estimate the financial impact of any climate-related disruption to our manufacturing operations, even a small percentage decline in our manufacturing capabilities due to water stress for example (Following on from the example provided above), would have a significant financial impact on our business. We have estimated that major impacts could exceed the financial threshold mentioned earlier (up to 338 million). Major impacts could affect our direct operations at a specific site and cause revenue losses for several months due to the reduced production capacity. The values for potential financial impacts are obtained regularly and are in use for internal decision making and risk assessment purposes

Respond
After climate-related risks have been assessed the responsible management initiates suitable countermeasures that are also documented in the GRC system for each risk identified and assessed as material. The Executive Board discusses and resolves the measures, and reports to the Supervisory Board's Audit Committee. The responsible bodies continually monitor the development of all identified risks and the progress of actions initiated. Group Audit regularly audits the risk management process, thereby continually monitoring its effectiveness and further development. In the case of climate risk, whilst the time horizon may be longer than for some other risks, we take into account in our risk mitigation planning the lead times that may be required to implement effective mitigation actions. Our definition applies to both our direct operations, and value chain.

As a result of the identification of the climate-related risk assessment with a focus on climate-related water supply and water stress we started different projects to mitigate the risks of reduced water supply by implementing programs to reduce the amount of used water. The objective is to be able to react better to the negative effects of climate-related water shortages and to align goals related to water consumption at our locations as well as to implement adaptation projects to meet challenges within specific regions. To mitigate climate-related water scarcity risks, we plan to reduce by 2030 our water withdrawal in regions affected by high water risk by 4% year-on-year in relation to sales, and in regions with moderate water risk by 2% year-on-year in relation to sales. Following the risk-based approach, we're focusing specifically on regions of the world where water is steadily growing scarcer. Our focus is on implementing efficiency projects that avoid water use and promote reuse of water. All our locations will be evaluated in accordance with the regularly updated risk assessment tools provided by the World Resource Institute and Aqueduct. This will enable us to use the available resources in a targeted and efficient manner.

Disclaimer: The risk assessment methodology does not fully reflect the ESRS standards yet.

## 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 | This is assessed by the divisional strategy departments and is included in the Risk & Opportunity Management described above.<br><br>Example:<br>Stricter rules for tailpipe emission vehicles by governments |
| Emerging regulation | Relevant, always included | This is assessed by the divisional strategy departments and is included in the Risk & Opportunity Management described above.<br><br>Example:<br>Stricter rules for tailpipe emission vehicles by governments |
| Technology | Relevant, always included | This is assessed by the divisional technology departments and is included in the Risk & Opportunity Management described above.<br><br>Example:<br>Switch to zero tailpipe emission vehicles |
| Legal | Relevant, always included | This is assessed by the divisional law and compliance experts and is included in the Risk & Opportunity Management described above.<br><br>Example:<br>Stricter rules for tailpipe emission vehicles by governments |
| Market | Relevant, always included | This is assessed by the divisional markets and sales departments and is included in the Risk & Opportunity Management described above.<br><br>Transitional risk:<br>An example of a transitional risk are the requirements of customers and the society to achieve carbon neutrality. Therefore, we implemented a project and started in our locations to purchase only electricity from renewable sources from 2020 onwards and joined the initiative RE100. |
| Reputation | Relevant, always included | This is assessed by the divisional markets and sales departments and is included in the Risk & Opportunity Management described above.<br><br>Transitional risk:<br>An example of a transitional risk are the requirements of customers and the society to achieve carbon neutrality. Therefore, we implemented a project and started in our locations to purchase only electricity from renewable sources from 2020 onwards and joined the initiative RE100. |
| Acute physical | Relevant, always included | This is assessed by the Corporate Loss Preventions department and is included in the Risk & Opportunity Management described above.<br><br>Physical risk:<br>Water scarcity in regions where we and our suppliers are located. Therefore, we started the project to mitigate the risks of reduced water supply by implementing programs to reduce the amount of used water. |
| Chronic physical | Relevant, always included | This is assessed by the Corporate Loss Preventions department and is included in the Risk & Opportunity Management described above.<br><br>Physical risk:<br>Water scarcity in regions where we and our suppliers are located. Therefore, we started the project to mitigate the risks of reduced water supply by implementing programs to reduce the amount of used water. |

## C2.3

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

Yes

## C2.3a

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

**Identifier**

Risk 1

**Where in the value chain does the risk driver occur?**

Direct operations

**Risk type & Primary climate-related risk driver**

| | |
|---|---|
| Acute physical | Other, please specify (floods, storms, or cyclones) |

**Primary potential financial impact**

Decreased revenues due to reduced production capacity

**Climate risk type mapped to traditional financial services industry risk classification**

<Not Applicable>

**Company-specific description**

Extreme whether events, such as floods, storms, or cyclones, continue to increase as the climate warms. Extreme whether events are a company-wide risk but they heavily depend on local conditions. These events may cause disruption to our manufacturing sites especially in the USA, Mexico and China. Those countries are located in zones with a higher likelihood for floods or tornados due to their geographical context.

Floods and tornados are relevant due to their possible impact on our direct operations. They may cause damages to facilities, general infrastructure, or our inbound and outbound transportation system.

As an automotive supplier Continental business continuity relies on the uninterrupted operation of its manufacturing sites. A major impact to our manufacturing sites could mean we may not be able to produce in line with our customer demand or may result in increased costs for possible facilities damages. Even for a temporary period of time (for example one week) a negative impact in our manufacturing capacities could limit productivity, raise costs and affect in- and outbound logistics on which our operations also rely. We do not expect these events to occur simultaneously at the same time in all our locations. In case of an event, 100% of production and the respective product

output might be affected.

**Time horizon**
Long-term

**Likelihood**
More likely than not

**Magnitude of impact**
High

**Are you able to provide a potential financial impact figure?**
Yes, an estimated range

**Potential financial impact figure (currency)**
<Not Applicable>

**Potential financial impact figure – minimum (currency)**
1

**Potential financial impact figure – maximum (currency)**
394000000

**Explanation of financial impact figure**
Whilst it is difficult to accurately estimate the financial impact of any climate-related disruption to our manufacturing operations, even a small percentage decline in our manufacturing capabilities due to extreme weather events, would have a significant financial impact on our business. We have estimated that major impacts could range up to € 394m – which (based on 2022 total revenue of € 39,4 billion) would represent a financial impact of less or up to 1% of revenues. The values for potential financial impacts are obtained regularly and are in use for internal decision making and risk assessment purposes. The calculation is based on the assumption that the risk does either not impact our direct operations at all and remains a risk (impact = 1 €) or heavily impacts our direct operations at a specific site and causes revenue losses for several months due to the reduced production capacity (impact = up to € 394 million).

**Cost of response to risk**
35920000

**Description of response and explanation of cost calculation**
We mitigate climate-related risks from extreme weather events by setting science-based carbon reduction targets and implementing company-wide decarbonization roadmaps. Continental's global production is to be completely carbon-neutral by 2040 at the latest. Our targets have been approved by the SBTi as being in line with a 1,5°C reduction pathway, as recommended by the IPCC. To achieve these targets, we invest in carbon reduction initiatives (energy reduction/energy efficiency) and low carbon energy consumption across our manufacturing. Reducing the climate impact of our local operations contribute to reduce the financial impact that extreme weather events could have on our operations. In 2022, we implemented 631 carbon saving initiatives with a total invest of € 23.92 million, saving in total 74,748 tCO2e. We also invest in low-carbon energy consumption. By 2022, we have already sourced 48,1% of our energy from renewable sources. The results have been made possible through various initiatives but mainly through joining the RE100. This has already enabled the company to significantly reduce its own CO2 emissions. Internal management costs in 2022 are estimated to be € 35.92 million, based upon the investment in carbon saving initiatives (€ 23.92 million) and low carbon energy consumption (€ 12 million) within our operations (i.e. € 23.92m + € 12m = € 35.92m). These investments support our vision to grow a low-carbon business and contribute to achieve our science-based carbon reduction targets.

**Comment**
No additional comment

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**Identifier**
Risk 2

**Where in the value chain does the risk driver occur?**
Direct operations

**Risk type & Primary climate-related risk driver**

| | |
|---|---|
| Acute physical | Other, please specify (Water stress / scarcity) |

**Primary potential financial impact**
Decreased revenues due to reduced production capacity

**Climate risk type mapped to traditional financial services industry risk classification**
<Not Applicable>

**Company-specific description**
Water stress or water scarcity may cause disruption to our production or lead to us being unable to produce our products. There is a risk that, as a result of climate change, we may experience a shortage or scarcity of water. In fiscal 2022, the total volume of water withdrawal amounted to 15.7 million $m^3$. This result is attributable to the various local projects across all group sectors aimed at reducing water consumption.

In our latest water risk assessment (527 locations and 58 countries) we identified that 33% of total sites globally could be exposed to high baseline water stress by 2030, specially in our locations in Latin-America, South-East Asia and Sub-Saharan Africa. As an automotive supplier Continental business continuity relies on the uninterrupted operation of its manufacturing sites. A major impact to our manufacturing sites could mean we may not be able to produce in line with our customer demand or may result in increased costs for further water supply. If water supply at these manufacturing sites is affected by climate change, this could become a significant issue in future, directly impacting our business. Even for a temporary period of time (for example one week), a reduction in water supply could raise our production costs or limit our production capacity.

**Time horizon**
Long-term

**Likelihood**
More likely than not

**Magnitude of impact**
High

**Are you able to provide a potential financial impact figure?**

Yes, an estimated range

**Potential financial impact figure (currency)**
<Not Applicable>

**Potential financial impact figure – minimum (currency)**
1

**Potential financial impact figure – maximum (currency)**
394000000

**Explanation of financial impact figure**
Whilst it is difficult to accurately estimate the financial impact of any climate-related disruption to our manufacturing operations, even a small percentage decline in our manufacturing capabilities due to water stress, would have a significant financial impact on our business. We have estimated that major impacts could range up to 394m – which (based on 2022 total revenue of € 39,4 billion) would represent a financial impact of less or up to 1% of revenues. The values for potential financial impacts are obtained regularly and are in use for internal decision making and risk assessment purposes. The calculation is based on the assumption that the risk does either not impact our direct operations at all and remains a risk (impact = 1 €) or heavily impacts our direct operations at a specific site and causes revenue losses for several months due to the reduced production capacity (impact = up to € 394 million).

**Cost of response to risk**
1000000

**Description of response and explanation of cost calculation**
From our water assessment, we identified that 33% of total sites globally could be exposed to high baseline water stress by 2030, specially in our locations in Latin-America, South-East Asia and Sub-Saharan Africa. As an automotive supplier Continental business continuity relies on the uninterrupted operation of its manufacturing sites. This could lead to revenue losses that may exceed 100 million depending on the scale of events, in this case due to reduced production capacity at these sites caused by water stress.
As a result of the identification of this risk we started different projects to mitigate the risks of reduced water supply by implementing programs to reduce the amount of used water. The volume of water withdrawal decreased by 6.2% compared with the previous year. In relation to group sales, our water withdrawal decreased by 19.6% year-on-year. The objective is to be able to react better to the negative effects of climate-related water shortages and to align goals related to water consumption at our locations as well as to implement adaptation projects to meet challenges within specific regions. To mitigate climate-related water scarcity risks, we plan to reduce by 2030 our water withdrawal in regions affected by high water risk by 4% year-on-year in relation to sales, and in regions with moderate water risk by 2% year-on-year in relation to sales. By adopting this risk-based approach, we're focusing specifically on those regions of the world where water is steadily growing scarcer. Our focus here is on implementing efficiency projects that avoid water use and promote reuse of water. All of our locations will be consistently evaluated in accordance with the regularly updated risk assessment tools provided by the World Resource Institute and Aqueduct. This will enable us to use the available resources in a targeted and efficient manner. Through our membership in the voluntary "CEO Water Mandate" initiative, we ensure a regular exchange of information on best practice solutions as well as current opportunities and risks in the field of water management. In 2022 the cost of managing this risk was approximately € 1 million. This includes € 0.4 million in water saving initiatives, and approximately € 0.6 million investment in technical equipment and trainings across our locations (i.e. € 0.4m + € 0.6m = € 1 m). Further measures will follow and contribute year by year to meeting our targets.

**Comment**
No additional comment

## C2.4

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

## C2.4a

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

**Identifier**
Opp1

**Where in the value chain does the opportunity occur?**
Direct operations

**Opportunity type**
Resource efficiency

**Primary climate-related opportunity driver**
Use of recycling

**Primary potential financial impact**
Increased revenues resulting from increased demand for products and services

**Company-specific description**
The switch to a circular economy is a profound and complex transformation process for Continental, which at the same time is highly relevant for the achievement of other sustainability ambitions of the company. The group sectors are responsible for implementing circularity, in particular with respect to product design, business models, material use and material procurement. They have each started to design and/or implement specific initiatives and projects that are aimed at improving circularity. Examples include the use of recycled materials, the reprocessing of products and the reduction or substitution of resource inputs. As set out in our sustainability ambition, we strive for 100% closed resource and product cycles by 2050 at the latest. With this ambition we aim to generate 100% of our revenues with 100% recycled products by 2050 at the latest. One example is the new TPO film: this plasticizer-free surface material for automotive interiors can be efficiently recycled. TPO material consists of olefin-based thermoplastic elastomers. Bio-based polymers are made of plant waste. They thus absorb CO2 from the atmosphere. By combining thermal-mechanical recycling with bio-based polymers, the new TPO film becomes a product with significantly improved CO2 balance. This has already resulted in components with a film solution containing 30% recyclate from recycled film material. In combination with chemical recycling, we work on a closed circle. Various vehicle manufacturers use TPO film in their models: on instrument panels, door panels, door sills, center consoles, or seat backs, for example. The material saves weight and is equally robust, resistant to aging, and is a low-emissions product. TPO now becomes even more attractive for monomaterial concepts in the development of interior components due to its significantly improved CO2 balance.

**Time horizon**
Long-term

**Likelihood**
Very likely

**Magnitude of impact**
High

**Are you able to provide a potential financial impact figure?**
Yes, an estimated range

**Potential financial impact figure (currency)**
<Not Applicable>

**Potential financial impact figure – minimum (currency)**
19700000000

**Potential financial impact figure – maximum (currency)**
39400000000

**Explanation of financial impact figure**
As set out in our sustainability ambition, we strive for 100% closed resource and product cycles by 2050 at the latest. Assuming we achieve our ambition and generate 100% of our revenues entirely with recycled products/materials by 2050, the financial impact based on 2022 revenues would be € 39.4 billion (€39.4billion * 1.0 = €39.4 billion). On the other hand we forecast a 50% achievement of our ambition in a bad scenario. This would mean that only half of our revenues would be generated from recycled products/materials. Again, based on revenues in 2022, the financial impact by then would be € 19.7 billion (€39.4 billion * 0.5 = €19.7 billion).

**Cost to realize opportunity**
2871000000

**Strategy to realize opportunity and explanation of cost calculation**
Our strategy is focused on long-term investment to ensure an efficient use of recycling materials. Our activities are geared toward continually optimizing the use of resources in relation to business volume. We manufacture products that make an active contribution toward protecting the environment and conserving resources throughout their entire duration of use as well as when they are ultimately recycled. To achieve this, investments must be made above all in research and development (R&D).

An example for this is the Conti GreenConcept. The new concept tire is based on three levels: a particularly high proportion of traceable, renewable and recycled materials, a resource-saving, lightweight design and an extended service life thanks to a renewable tread. More than 50% of the materials used to make the Conti GreenConcept are renewable or recycled. In other words, they originate from closed-loop cycles, have no harmful effects on people or the environment, are responsibly sourced, and are carbon-neutral throughout the supply chain. The proportion of renewable raw materials amounts to 35%. The organic materials used include natural rubber from dandelions (Taraxagum), silicate from the ashes of rice husks, as well as vegetable oils and resins. In addition, the Conti GreenConcept is made from 17% recycled materials. The materials Continental uses in the tire's casing include reclaimed steel and recovered carbon black, plus – in an industry first – polyester from recycled polyethylene terephthalate (PET) bottles. Continental tires containing polyester from recycled PET bottles have been available in Europe since June 2022. ContiRe.Tex technology can completely replace the polyester conventionally used in tire casings. It was first unveiled by Continental less than one year earlier in September 2021 and is the first technology of its kind to be used in tire production.

Whilst it is difficult to accurately estimate the exact cost to realize this opportunity, we know that research and development have an essential role. In 2022 Continental invested approx. €2,871 million in R&D (€2,388 million from Automotive Technologies and €484 million from Rubber Technologies). As set out in our sustainability ambition, we strive for 100% closed resource and product cycles by 2050 at the latest, together with our partners along the value chain.

**Comment**
No additional comment

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**Identifier**
Opp2

**Where in the value chain does the opportunity occur?**
Direct operations

**Opportunity type**
Energy source

**Primary climate-related opportunity driver**
Use of lower-emission sources of energy

**Primary potential financial impact**
Reduced indirect (operating) costs

**Company-specific description**
The use of low emission sources of energy presents an opportunity to reduce our Scope 2 emissions. Investments in renewable electricity helps us mitigate against a potential price on carbon or carbon taxes that could be applied in the future by regulatory bodies across our markets. We committed to using low-emissions sources of energy by joining the RE100. We use our purchased electricity in our offices, warehouses but mainly in our manufacturing operations. In 2022 we purchased more than 4.1 GWh of energy from renewable sources. This resulted in approx. 1.5 million tonnes CO2 emissions being avoided. At the same time, we also generated 9,020 MWh of electricity at our own sites mostly through solar panels. We are also working on expanding this commitment to our value chain, by working with our suppliers and customers to achieve carbon neutrality. With one global customer we already have an alignment that all delivered Continental products are manufactured with electricity from renewable sources, which equals 3.5% of our sales volume in 2022. This measure also successfully reduces our customers CO2 backpack.

**Time horizon**
Short-term

**Likelihood**
Very likely

**Magnitude of impact**
Medium-high

**Are you able to provide a potential financial impact figure?**
Yes, an estimated range

**Potential financial impact figure (currency)**
<Not Applicable>

**Potential financial impact figure – minimum (currency)**
105000000

**Potential financial impact figure – maximum (currency)**
135000000

**Explanation of financial impact figure**
By using renewable electricity in 2022 we avoided 1.5 million tons CO2e. This could help us to avoid a potential price or tax on carbon or the cost of carbon allowances. An estimated EU ETS price of between €70-90 per tonne CO2e would represent a cost avoidance of 105 - 135 million €. We have selected this range (€70-90 per tonne CO2e) for the carbon price by taking into account the EU ETS carbon price and its volatility over the last few years. The average EU ETS allowance price over 2022 was €81. The potential financial figure was achieved by calculation the 1.5 million tonnes CO2e that could have been taxed had they not being avoided in 2022, using the price range for EU ETS carbon allowances mentioned above (1.5m*70 = 105m & 1.5m*90 = 135m).

**Cost to realize opportunity**
14120000

**Strategy to realize opportunity and explanation of cost calculation**
The opportunity to significantly reduce our Scope 2 emissions will be realised by committing to purchased electricity from renewable sources. In 2022 we purchased more than 4.1 GWh of energy from renewable sources. This resulted in approx. 1,5 million tonnes CO2 emissions being avoided. We are also investing in renewable low-carbon energy self-generation (e.g., solar) at our manufacturing sites. We do not have a target for self-generation, but we aim to increase this share gradually. In 2022 we generated 9,020 MWh of electricity from renewable sources. An investment was for example at one of our sites in Korbach, where we installed a 1.86 MWp PV system on the roof of the tire plant. The company invested in 1.5 million EUR for this project. The facility is expanding their PV system in 2023 and installing on the roof of their warehouse a 4 MWp PV system. Another example is the division Continental Tires, they produced in 2022 around 22,700 MWh of PV energy worldwide and used this energy for the production of their tires. In 2022 the total investment for low-carbon and renewable energy generation initiatives was approx. € 2.12 million. Through these measures, we have significantly reduced our Scope 2 emissions using a market-based approach, avoiding any potential carbon tax. In 2022, the cost of purchasing renewable energy was €12 million. This cost has been calculated based on values for purchased energy for our locations worldwide. Internal management costs in 2022 are estimated to be € 13 million, based upon the investment in renewable energy generation (€ 2.12m) and low-carbon energy consumption (€ 12 million) within our operations (i.e. € 2.12m + €12m = € 14.12 m).

**Comment**
No additional comment

## C3. Business Strategy

### C3.1

**(C3.1) Does your organization's strategy include a climate transition plan that aligns with a 1.5°C world?**

**Row 1**

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

**Publicly available climate transition plan**
Yes

**Mechanism by which feedback is collected from shareholders on your climate transition plan**
Our climate transition plan is voted on at AGMs and we also have an additional feedback mechanism in place

**Description of feedback mechanism**
Feedback Mechanisms: Investor conferences; Investor Roadshows; Annual Shareholder Meeting

**Frequency of feedback collection**
More frequently than annually

**Attach any relevant documents which detail your climate transition plan (optional)**
continental-sustainability-report-2022.pdf
Continental_Factbook_2021.pdf

**Explain why your organization does not have a climate transition plan that aligns with a 1.5°C world and any plans to develop one in the future**
<Not Applicable>

**Explain why climate-related risks and opportunities have not influenced your strategy**
<Not Applicable>

### C3.2

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

| | Use of climate-related scenario analysis to inform strategy | Primary reason why your organization does not use climate-related scenario analysis to inform its strategy | Explain why your organization does not use climate-related scenario analysis to inform its strategy and any plans to use it in the future |
|---|---|---|---|
| Row 1 | No, but we anticipate using qualitative and/or quantitative analysis in the next two years | Other, please specify (Early stages of integrating climate-related scenarios analysis to inform our strategy) | Continental is in the early stages of integrating climate-related scenarios into our risk analyses and environmental (climate and water) action, and therefore no such scenarios were used thus far in an effective way to inform our internal action. A first use of climate scenarios was used as part of our water risk assessment. The RCP 4.5 and RCP 8.5 climate scenarios were used by the WRI Aqueduct Tool (recommended by the TCFD) as optimistic and business as usual climate scenarios respectively to model changes in water stress and supply over long time horizons (2030 and 2040). These models were used in combination with other indicators to determine where water stress and supply are projected to worsen due to supply side (climate change-related) reasons. We were able to determine that even using the optimistic RCP 4.5 model we will likely see a worsening of water stress due to climate change in several of the high-risk basins where we have direct operations or source raw materials, such as in Mexico. This tool considers qualitative and quantitative indicators. |

## 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 | Due to increasingly stringent consumption and emission standards throughout the industrial world, including the EU and Asia, car manufacturers are increasingly being forced to develop environmentally compatible technologies aimed at lowering fuel consumption as well as CO2 and particulate emissions and in the end heading for emission-free mobility. These developments have caused a trend towards more zero tailpipe emission vehicles. The technologies supporting emission-free mobility are developed and delivered by Continental, accounting for around €2.8 billion of consolidated sales. We also released the new strategy for carbon neutrality in owned production and along the value chain. The strategy has fixed target dates for 2030, 2040 and 2050. |
| Supply chain and/or value chain | Yes | Continental's earnings situation is affected to a significant extent by the cost of raw materials, electronic components and energy. For the Automotive Group divisions, this particularly relates to the cost of steel and electronic components. If we succeed even better than before in offsetting possible cost increases or compensating for them through higher prices for our products, this would then have a positive effect on Continental's earnings. The earnings situation of the Rubber Group divisions is significantly impacted by the cost of oil and of natural and synthetic rubber. Price developments are sometimes directly connected to climate related risks. We also released the new strategy for carbon neutrality in owned production and along the value chain. The strategy has fixed target dates for 2030, 2040 and 2050. |
| Investment in R&D | Yes | Climate-related efficiency programs are an integral part of Continental's R&D strategy and climate-related risk and opportunity aspects are certainly taken into account. This is evident especially in the development of new markets like e-cars and low-carbon technologies. In 2022, the technology company's net expenditure for research and development was €2.87 billion, which equates to 7.3 percent of sales. In the same period of the previous year, the ratio was 7.7 percent. We also released the new strategy for carbon neutrality in owned production and along the value chain. The strategy has fixed target dates for 2030, 2040 and 2050. |
| Operations | Yes | We consider the complete scope of risk management during the planning for new greenfield projects. We also released the new strategy for carbon neutrality in owned production and along the value chain. The strategy has fixed target dates for 2030, 2040 and 2050. |

## 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<br>Direct costs<br>Acquisitions and divestments | -With regard to revenues, climate-related risks have affected financial planning in two ways, namely 1) plans to institute targets to decouple emissions and value added (revenues) by carbon intensity, and 2) seeking opportunities to develop low-carbon technologies and products compatible with a 2 degree warming scenario as part of the future low-carbon marketplace.<br><br>-With regard to direct costs, climate-related risks are considered to have an impact on raising water and carbon prices as well as the demand for green electricity supplies. These are registered internally as both risks and opportunities for Continental.<br><br>-Finally, acquisitions and divestments can also be driven by climate-related risks, particularly in areas severely impacted by climate change. We also released the new strategy for carbon neutrality in owned production and along the value chain. The strategy has fixed targets dated for 2030, 2040 and 2050. In addition to the strategy, we have connected our sustainability performance to our interests for a new credit line. |

## C3.5

### (C3.5) In your organization's financial accounting, do you identify spending/revenue that is aligned with your organization's climate transition?

| | Identification of spending/revenue that is aligned with your organization's climate transition | Indicate the level at which you identify the alignment of your spending/revenue with a sustainable finance taxonomy |
|---|---|---|
| Row 1 | No, but we plan to in the next two years | <Not Applicable> |

## C4. Targets and performance

## C4.1

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

## C4.1a

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

**Target reference number**
Abs 1

**Is this a science-based target?**
Yes, and this target has been approved by the Science Based Targets initiative

**Target ambition**
1.5°C aligned

**Year target was set**
2020

**Target coverage**
Company-wide

**Scope(s)**
Scope 1
Scope 2

**Scope 2 accounting method**
Market-based

**Scope 3 category(ies)**
<Not Applicable>

**Base year**
2019

**Base year Scope 1 emissions covered by target (metric tons CO2e)**
840000

**Base year Scope 2 emissions covered by target (metric tons CO2e)**
2380000

**Base year Scope 3, Category 1: Purchased goods and services emissions covered by target (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 2: Capital goods emissions covered by target (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 4: Upstream transportation and distribution emissions covered by target (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 5: Waste generated in operations emissions covered by target (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 6: Business travel emissions covered by target (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 7: Employee commuting emissions covered by target (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 8: Upstream leased assets emissions covered by target (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 10: Processing of sold products emissions covered by target (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 11: Use of sold products emissions covered by target (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 13: Downstream leased assets emissions covered by target (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 14: Franchises emissions covered by target (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 15: Investments emissions covered by target (metric tons CO2e)**

<Not Applicable>

**Base year Scope 3, Other (upstream) emissions covered by target (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Other (downstream) emissions covered by target (metric tons CO2e)**
<Not Applicable>

**Base year total Scope 3 emissions covered by target (metric tons CO2e)**
<Not Applicable>

**Total base year emissions covered by target in all selected Scopes (metric tons CO2e)**
3220000

**Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1**
100

**Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2**
100

**Base year Scope 3, Category 1: Purchased goods and services emissions covered by target as % of total base year emissions in Scope 3, Category 1: Purchased goods and services (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 2: Capital goods emissions covered by target as % of total base year emissions in Scope 3, Category 2: Capital goods (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target as % of total base year emissions in Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 4: Upstream transportation and distribution covered by target as % of total base year emissions in Scope 3, Category 4: Upstream transportation and distribution (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 5: Waste generated in operations emissions covered by target as % of total base year emissions in Scope 3, Category 5: Waste generated in operations (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 6: Business travel emissions covered by target as % of total base year emissions in Scope 3, Category 6: Business travel (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 7: Employee commuting covered by target as % of total base year emissions in Scope 3, Category 7: Employee commuting (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 8: Upstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 8: Upstream leased assets (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target as % of total base year emissions in Scope 3, Category 9: Downstream transportation and distribution (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 10: Processing of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 10: Processing of sold products (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 11: Use of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 11: Use of sold products (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 12: End-of-life treatment of sold products (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 13: Downstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 13: Downstream leased assets (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 14: Franchises emissions covered by target as % of total base year emissions in Scope 3, Category 14: Franchises (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 15: Investments emissions covered by target as % of total base year emissions in Scope 3, Category 15: Investments (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Other (upstream) emissions covered by target as % of total base year emissions in Scope 3, Other (upstream) (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Other (downstream) emissions covered by target as % of total base year emissions in Scope 3, Other (downstream) (metric tons CO2e)**
<Not Applicable>

**Base year total Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)**
<Not Applicable>

**Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes**

100

**Target year**
2030

**Targeted reduction from base year (%)**
75

**Total emissions in target year covered by target in all selected Scopes (metric tons CO2e) [auto-calculated]**
805000

**Scope 1 emissions in reporting year covered by target (metric tons CO2e)**
760000

**Scope 2 emissions in reporting year covered by target (metric tons CO2e)**
230000

**Scope 3, Category 1: Purchased goods and services emissions in reporting year covered by target (metric tons CO2e)**
<Not Applicable>

**Scope 3, Category 2: Capital goods emissions in reporting year covered by target (metric tons CO2e)**
<Not Applicable>

**Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions in reporting year covered by target (metric tons CO2e)**
<Not Applicable>

**Scope 3, Category 4: Upstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)**
<Not Applicable>

**Scope 3, Category 5: Waste generated in operations emissions in reporting year covered by target (metric tons CO2e)**
<Not Applicable>

**Scope 3, Category 6: Business travel emissions in reporting year covered by target (metric tons CO2e)**
<Not Applicable>

**Scope 3, Category 7: Employee commuting emissions in reporting year covered by target (metric tons CO2e)**
<Not Applicable>

**Scope 3, Category 8: Upstream leased assets emissions in reporting year covered by target (metric tons CO2e)**
<Not Applicable>

**Scope 3, Category 9: Downstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)**
<Not Applicable>

**Scope 3, Category 10: Processing of sold products emissions in reporting year covered by target (metric tons CO2e)**
<Not Applicable>

**Scope 3, Category 11: Use of sold products emissions in reporting year covered by target (metric tons CO2e)**
<Not Applicable>

**Scope 3, Category 12: End-of-life treatment of sold products emissions in reporting year covered by target (metric tons CO2e)**
<Not Applicable>

**Scope 3, Category 13: Downstream leased assets emissions in reporting year covered by target (metric tons CO2e)**
<Not Applicable>

**Scope 3, Category 14: Franchises emissions in reporting year covered by target (metric tons CO2e)**
<Not Applicable>

**Scope 3, Category 15: Investments emissions in reporting year covered by target (metric tons CO2e)**
<Not Applicable>

**Scope 3, Other (upstream) emissions in reporting year covered by target (metric tons CO2e)**
<Not Applicable>

**Scope 3, Other (downstream) emissions in reporting year covered by target (metric tons CO2e)**
<Not Applicable>

**Total Scope 3 emissions in reporting year covered by target (metric tons CO2e)**
<Not Applicable>

**Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)**
990000

**Does this target cover any land-related emissions?**
No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

**% of target achieved relative to base year [auto-calculated]**
92.3395445134576

**Target status in reporting year**
Underway

**Please explain target coverage and identify any exclusions**
100% coverage of CO2 emissions Scope 1 and Scope 2

**Plan for achieving target, and progress made to the end of the reporting year**
We will reach our goal by implementing the following measures
- Reduction of CO2 emissions by energy efficiency
- Switch to renewable purchased electricity (RE100)
- Substitution of fossil fuels
- Neutralization of unavoidable CO2 emissions by carbon removal.

By using renewable energies, 70% of CO2 emissions were already reduced.

**List the emissions reduction initiatives which contributed most to achieving this target**
<Not Applicable>

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**Target reference number**
Abs 2

**Is this a science-based target?**
Yes, and this target has been approved by the Science Based Targets initiative

**Target ambition**
Well-below 2°C aligned

**Year target was set**
2020

**Target coverage**
Company-wide

**Scope(s)**
Scope 3

**Scope 2 accounting method**
<Not Applicable>

**Scope 3 category(ies)**
Category 1: Purchased goods and services
Category 2: Capital goods
Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2)
Category 4: Upstream transportation and distribution
Category 5: Waste generated in operations
Category 6: Business travel
Category 7: Employee commuting
Category 8: Upstream leased assets
Category 9: Downstream transportation and distribution
Category 10: Processing of sold products
Category 11: Use of sold products
Category 12: End-of-life treatment of sold products
Category 13: Downstream leased assets
Category 14: Franchises
Category 15: Investments

**Base year**
2019

**Base year Scope 1 emissions covered by target (metric tons CO2e)**
<Not Applicable>

**Base year Scope 2 emissions covered by target (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Category 1: Purchased goods and services emissions covered by target (metric tons CO2e)**
16000000

**Base year Scope 3, Category 2: Capital goods emissions covered by target (metric tons CO2e)**
0

**Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target (metric tons CO2e)**
500000

**Base year Scope 3, Category 4: Upstream transportation and distribution emissions covered by target (metric tons CO2e)**
600000

**Base year Scope 3, Category 5: Waste generated in operations emissions covered by target (metric tons CO2e)**
20000

**Base year Scope 3, Category 6: Business travel emissions covered by target (metric tons CO2e)**
100000

**Base year Scope 3, Category 7: Employee commuting emissions covered by target (metric tons CO2e)**
0

**Base year Scope 3, Category 8: Upstream leased assets emissions covered by target (metric tons CO2e)**
0

**Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target (metric tons CO2e)**
600000

**Base year Scope 3, Category 10: Processing of sold products emissions covered by target (metric tons CO2e)**
0

**Base year Scope 3, Category 11: Use of sold products emissions covered by target (metric tons CO2e)**
100000000

**Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target (metric tons CO2e)**
4000000

**Base year Scope 3, Category 13: Downstream leased assets emissions covered by target (metric tons CO2e)**
0

**Base year Scope 3, Category 14: Franchises emissions covered by target (metric tons CO2e)**
0

**Base year Scope 3, Category 15: Investments emissions covered by target (metric tons CO2e)**
0

**Base year Scope 3, Other (upstream) emissions covered by target (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Other (downstream) emissions covered by target (metric tons CO2e)**
<Not Applicable>

**Base year total Scope 3 emissions covered by target (metric tons CO2e)**
122000000

**Total base year emissions covered by target in all selected Scopes (metric tons CO2e)**
122000000

**Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1**
<Not Applicable>

**Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2**
<Not Applicable>

**Base year Scope 3, Category 1: Purchased goods and services emissions covered by target as % of total base year emissions in Scope 3, Category 1: Purchased goods and services (metric tons CO2e)**
100

**Base year Scope 3, Category 2: Capital goods emissions covered by target as % of total base year emissions in Scope 3, Category 2: Capital goods (metric tons CO2e)**
100

**Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target as % of total base year emissions in Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)**
100

**Base year Scope 3, Category 4: Upstream transportation and distribution covered by target as % of total base year emissions in Scope 3, Category 4: Upstream transportation and distribution (metric tons CO2e)**
100

**Base year Scope 3, Category 5: Waste generated in operations emissions covered by target as % of total base year emissions in Scope 3, Category 5: Waste generated in operations (metric tons CO2e)**
100

**Base year Scope 3, Category 6: Business travel emissions covered by target as % of total base year emissions in Scope 3, Category 6: Business travel (metric tons CO2e)**
100

**Base year Scope 3, Category 7: Employee commuting covered by target as % of total base year emissions in Scope 3, Category 7: Employee commuting (metric tons CO2e)**
100

**Base year Scope 3, Category 8: Upstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 8: Upstream leased assets (metric tons CO2e)**
100

**Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target as % of total base year emissions in Scope 3, Category 9: Downstream transportation and distribution (metric tons CO2e)**
100

**Base year Scope 3, Category 10: Processing of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 10: Processing of sold products (metric tons CO2e)**
100

**Base year Scope 3, Category 11: Use of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 11: Use of sold products (metric tons CO2e)**
100

**Base year Scope 3, Category 12: End-of-life treatment of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 12: End-of-life treatment of sold products (metric tons CO2e)**
100

**Base year Scope 3, Category 13: Downstream leased assets emissions covered by target as % of total base year emissions in Scope 3, Category 13: Downstream leased assets (metric tons CO2e)**
100

**Base year Scope 3, Category 14: Franchises emissions covered by target as % of total base year emissions in Scope 3, Category 14: Franchises (metric tons CO2e)**
100

**Base year Scope 3, Category 15: Investments emissions covered by target as % of total base year emissions in Scope 3, Category 15: Investments (metric tons CO2e)**
100

**Base year Scope 3, Other (upstream) emissions covered by target as % of total base year emissions in Scope 3, Other (upstream) (metric tons CO2e)**
<Not Applicable>

**Base year Scope 3, Other (downstream) emissions covered by target as % of total base year emissions in Scope 3, Other (downstream) (metric tons CO2e)**
<Not Applicable>

**Base year total Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)**
100

**Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes**
100

**Target year**
2030

**Targeted reduction from base year (%)**
30

**Total emissions in target year covered by target in all selected Scopes (metric tons CO2e) [auto-calculated]**
85400000

**Scope 1 emissions in reporting year covered by target (metric tons CO2e)**
<Not Applicable>

**Scope 2 emissions in reporting year covered by target (metric tons CO2e)**
<Not Applicable>

**Scope 3, Category 1: Purchased goods and services emissions in reporting year covered by target (metric tons CO2e)**
15010000

**Scope 3, Category 2: Capital goods emissions in reporting year covered by target (metric tons CO2e)**
870000

**Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions in reporting year covered by target (metric tons CO2e)**
630000

**Scope 3, Category 4: Upstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)**
1000000

**Scope 3, Category 5: Waste generated in operations emissions in reporting year covered by target (metric tons CO2e)**
40000

**Scope 3, Category 6: Business travel emissions in reporting year covered by target (metric tons CO2e)**
50000

**Scope 3, Category 7: Employee commuting emissions in reporting year covered by target (metric tons CO2e)**
170000

**Scope 3, Category 8: Upstream leased assets emissions in reporting year covered by target (metric tons CO2e)**
70000

**Scope 3, Category 9: Downstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)**
450000

**Scope 3, Category 10: Processing of sold products emissions in reporting year covered by target (metric tons CO2e)**
1310000

**Scope 3, Category 11: Use of sold products emissions in reporting year covered by target (metric tons CO2e)**
81900000

**Scope 3, Category 12: End-of-life treatment of sold products emissions in reporting year covered by target (metric tons CO2e)**
4360000

**Scope 3, Category 13: Downstream leased assets emissions in reporting year covered by target (metric tons CO2e)**
10000

**Scope 3, Category 14: Franchises emissions in reporting year covered by target (metric tons CO2e)**
40000

**Scope 3, Category 15: Investments emissions in reporting year covered by target (metric tons CO2e)**
30000

**Scope 3, Other (upstream) emissions in reporting year covered by target (metric tons CO2e)**
<Not Applicable>

**Scope 3, Other (downstream) emissions in reporting year covered by target (metric tons CO2e)**
<Not Applicable>

**Total Scope 3 emissions in reporting year covered by target (metric tons CO2e)**
105950000

**Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)**
105950000

**Does this target cover any land-related emissions?**
No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

**% of target achieved relative to base year [auto-calculated]**
43.8524590163934

**Target status in reporting year**
Underway

**Please explain target coverage and identify any exclusions**
100% coverage of CO2 emissions Scope 3 in all selected categories

**Plan for achieving target, and progress made to the end of the reporting year**
Continental's plan includes the following key levers for the most relevant Scope 3 categories:

Purchased goods and services:
- Substantial use of renewable and recycled materials (as substitutes)
- Substantial reduction in material consumption
- Footprint-optimized product design
- Substantial use of renewable energy along supply chain (tier 1-n)

Use of sold products:
- Rapid expansion of ZTEV portfolio

End-of life treatment:
- Product reuse and recycling
- Substantial use of renewable materials and carbon-neutral thermal recovery

**List the emissions reduction initiatives which contributed most to achieving this target**
<Not Applicable>

## C4.2

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

## C4.2c

**(C4.2c) Provide details of your net-zero target(s).**

**Target reference number**
NZ1

**Target coverage**
Company-wide

**Absolute/intensity emission target(s) linked to this net-zero target**
Abs1

**Target year for achieving net zero**
2040

**Is this a science-based target?**
No, but we are reporting another target that is science-based

**Please explain target coverage and identify any exclusions**
100% coverage of Scope 1 and 2 emissions

**Do you intend to neutralize any unabated emissions with permanent carbon removals at the target year?**
No

**Planned milestones and/or near-term investments for neutralization at target year**
<Not Applicable>

**Planned actions to mitigate emissions beyond your value chain (optional)**
N/A

**Target reference number**
NZ2

**Target coverage**
Company-wide

**Absolute/intensity emission target(s) linked to this net-zero target**
Abs2

**Target year for achieving net zero**
2050

**Is this a science-based target?**
No, but we are reporting another target that is science-based

**Please explain target coverage and identify any exclusions**
100% coverage of Scope 3 emissions

**Do you intend to neutralize any unabated emissions with permanent carbon removals at the target year?**
Unsure

**Planned milestones and/or near-term investments for neutralization at target year**
<Not Applicable>

**Planned actions to mitigate emissions beyond your value chain (optional)**
N/A

## 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 | 0 | 0 |
| To be implemented* | 71 | 14655 |
| Implementation commenced* | 142 | 6330 |
| Implemented* | 631 | 74748 |
| Not to be implemented | 0 | 0 |

## C4.3b

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

**Initiative category & Initiative type**

| | |
|---|---|
| Energy efficiency in production processes | Process optimization |

**Estimated annual CO2e savings (metric tonnes CO2e)**
30537

**Scope(s) or Scope 3 category(ies) where emissions savings occur**
Scope 1
Scope 2 (location-based)
Scope 2 (market-based)

**Voluntary/Mandatory**
Voluntary

**Annual monetary savings (unit currency – as specified in C0.4)**
9732000

**Investment required (unit currency – as specified in C0.4)**
8303000

**Payback period**
1-3 years

**Estimated lifetime of the initiative**
6-10 years

**Comment**
No additional comment

**Initiative category & Initiative type**

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

**Estimated annual CO2e savings (metric tonnes CO2e)**
39752

**Scope(s) or Scope 3 category(ies) where emissions savings occur**
Scope 1
Scope 2 (location-based)
Scope 2 (market-based)

**Voluntary/Mandatory**
Voluntary

**Annual monetary savings (unit currency – as specified in C0.4)**
16877000

**Investment required (unit currency – as specified in C0.4)**
13469000

**Payback period**
1-3 years

**Estimated lifetime of the initiative**
6-10 years

**Comment**
No additional comment

**Initiative category & Initiative type**

| | |
|---|---|
| Company policy or behavioral change | Resource efficiency |

**Estimated annual CO2e savings (metric tonnes CO2e)**
3923

**Scope(s) or Scope 3 category(ies) where emissions savings occur**
Scope 1
Scope 2 (location-based)
Scope 2 (market-based)

**Voluntary/Mandatory**
Voluntary

**Annual monetary savings (unit currency – as specified in C0.4)**
725000

**Investment required (unit currency – as specified in C0.4)**
30000

**Payback period**
<1 year

**Estimated lifetime of the initiative**
Ongoing

**Comment**
No additional comment

**Initiative category & Initiative type**

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

**Estimated annual CO2e savings (metric tonnes CO2e)**
536

**Scope(s) or Scope 3 category(ies) where emissions savings occur**
Scope 1
Scope 2 (location-based)

**Voluntary/Mandatory**
Voluntary

**Annual monetary savings (unit currency – as specified in C0.4)**
246000

**Investment required (unit currency – as specified in C0.4)**
2117000

**Payback period**
11-15 years

**Estimated lifetime of the initiative**
16-20 years

**Comment**
No additional comment

## C4.3c

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

| Method | Comment |
|---|---|
| Compliance with regulatory requirements/standards | In case of regulatory requirements the measures will be implemented immediately |
| Financial optimization calculations | All voluntary measures are calculated according to our internal investment rules |
| Dedicated budget for energy efficiency | Energy departments have a special budget for energy efficiency measures carried out in production plants. Implementation of the Energy Management System is in line with ISO 50001 |
| Employee engagement | Continental runs an effective system where ideas for improvement can be indicated by employees. Ideas regarding energy saving and reducing CO2 emissions when implemented in our processes are financially rewarded. |
| Dedicated budget for other emissions reduction activities | Implementation of the "Green Plant Label Award" in "Gold", Silver" and Bronze" strengthens our environmental strategy and provides solutions for best available technique. All plants are requested to reach "Bronze" status by 2025. |
| Dedicated budget for low-carbon product R&D | Continental has several co-operations with federal governments where R&D departments from the various business units are located. Examples include the use of recycled materials (saving natural resources and energy for production of virgin raw materials) which leads to a decrease in CO2 emissions. |

## C4.5

### (C4.5) Do you classify any of your existing goods and/or services as low-carbon products?

Yes

## C4.5a

### (C4.5a) Provide details of your products and/or services that you classify as low-carbon products.

#### Level of aggregation

Group of products or services

#### Taxonomy used to classify product(s) or service(s) as low-carbon

The EU Taxonomy for environmentally sustainable economic activities

#### Type of product(s) or service(s)

| | |
|---|---|
| Road | Other, please specify (Other low-carbon components and technologies for road and rail vehicles) |

#### Description of product(s) or service(s)

The allocated business with zero-tailpipe-emission vehicles falls under category 3.6 under category 3.6 (“Manufacture of other low-carbon technologies”) of the delegated regulation for climate change mitigation (EU 2021/2139, Annex I), since it makes a substantial contribution toward increasing “clean or climate-neutral mobility” in accordance with Art. 10 (1) c) in conjunction with Art. 10 (1) i) of the EU Taxonomy Regulation. From Continental’s perspective, it additionally meets the conditions for enabling activities as defined in Art. 16 of the EU Taxonomy Regulation, since this economic activity does not lead to lock-in effects and has a substantial positive environmental impact, on the basis of life-cycle considerations.

#### Have you estimated the avoided emissions of this low-carbon product(s) or service(s)

No

#### Methodology used to calculate avoided emissions

<Not Applicable>

#### Life cycle stage(s) covered for the low-carbon product(s) or services(s)

<Not Applicable>

#### Functional unit used

<Not Applicable>

#### Reference product/service or baseline scenario used

<Not Applicable>

#### Life cycle stage(s) covered for the reference product/service or baseline scenario

<Not Applicable>

#### Estimated avoided emissions (metric tons CO2e per functional unit) compared to reference product/service or baseline scenario

<Not Applicable>

#### Explain your calculation of avoided emissions, including any assumptions

<Not Applicable>

#### Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year

7.1

# C5. Emissions methodology

## C5.1

**(C5.1) Is this your first year of reporting emissions data to CDP?**
No

## C5.1a

**(C5.1a) Has your organization undergone any structural changes in the reporting year, or are any previous structural changes being accounted for in this disclosure of emissions data?**

**Row 1**

**Has there been a structural change?**
No

**Name of organization(s) acquired, divested from, or merged with**
<Not Applicable>

**Details of structural change(s), including completion dates**
<Not Applicable>

## C5.1b

**(C5.1b) Has your emissions accounting methodology, boundary, and/or reporting year definition changed in the reporting year?**

| | Change(s) in methodology, boundary, and/or reporting year definition? | Details of methodology, boundary, and/or reporting year definition change(s) |
|---|---|---|
| Row 1 | No | <Not Applicable> |

## C5.2

**(C5.2) Provide your base year and base year emissions.**

**Scope 1**

**Base year start**
January 1 2019

**Base year end**
December 31 2019

**Base year emissions (metric tons CO2e)**
840000

**Comment**
No additional comment

**Scope 2 (location-based)**

**Base year start**
January 1 2019

**Base year end**
December 31 2019

**Base year emissions (metric tons CO2e)**
2380000

**Comment**
No additional comment

**Scope 2 (market-based)**

**Base year start**
January 1 2020

**Base year end**
December 31 2020

**Base year emissions (metric tons CO2e)**
210000

**Comment**
This is the first year that Continental calculated its scope 2 emissions using the market-based approach.

### Scope 3 category 1: Purchased goods and services

**Base year start**
January 1 2019

**Base year end**
December 31 2019

**Base year emissions (metric tons CO2e)**
16000000

**Comment**
No additional comment

### Scope 3 category 2: Capital goods

**Base year start**
January 1 2019

**Base year end**
December 31 2019

**Base year emissions (metric tons CO2e)**
0

**Comment**
Emissions from this category were not material.

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

**Base year start**
January 1 2019

**Base year end**
December 31 2019

**Base year emissions (metric tons CO2e)**
500000

**Comment**
No additional comment

### Scope 3 category 4: Upstream transportation and distribution

**Base year start**
January 1 2019

**Base year end**
December 31 2019

**Base year emissions (metric tons CO2e)**
600000

**Comment**
No additional comment

### Scope 3 category 5: Waste generated in operations

**Base year start**
January 1 2019

**Base year end**
December 31 2019

**Base year emissions (metric tons CO2e)**
20000

**Comment**
No additional comment

### Scope 3 category 6: Business travel

**Base year start**
January 1 2019

**Base year end**
December 31 2019

**Base year emissions (metric tons CO2e)**
100000

**Comment**
No additional comment

### Scope 3 category 7: Employee commuting

**Base year start**
January 1 2019

**Base year end**
December 31 2019

**Base year emissions (metric tons CO2e)**
0

**Comment**
Emissions from this category were not material.

### Scope 3 category 8: Upstream leased assets

**Base year start**
January 1 2019

**Base year end**
December 31 2019

**Base year emissions (metric tons CO2e)**
0

**Comment**
Emissions from this category were not material.

### Scope 3 category 9: Downstream transportation and distribution

**Base year start**
January 1 2019

**Base year end**
December 31 2019

**Base year emissions (metric tons CO2e)**
600000

**Comment**
No additional comment

### Scope 3 category 10: Processing of sold products

**Base year start**
January 1 2019

**Base year end**
December 31 2019

**Base year emissions (metric tons CO2e)**
0

**Comment**
Emissions from this category were not material.

### Scope 3 category 11: Use of sold products

**Base year start**
January 1 2019

**Base year end**
December 31 2019

**Base year emissions (metric tons CO2e)**
100000000

**Comment**
No additional comment

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

**Base year start**
January 1 2019

**Base year end**
December 31 2019

**Base year emissions (metric tons CO2e)**
4000000

**Comment**
No additional comment

**Scope 3 category 13: Downstream leased assets**

**Base year start**
January 1 2019

**Base year end**
December 31 2019

**Base year emissions (metric tons CO2e)**
0

**Comment**
Emissions from this category were not material.

**Scope 3 category 14: Franchises**

**Base year start**
January 1 2019

**Base year end**
December 31 2019

**Base year emissions (metric tons CO2e)**
0

**Comment**
Emissions from this category were not material.

**Scope 3 category 15: Investments**

**Base year start**
January 1 2019

**Base year end**
December 31 2019

**Base year emissions (metric tons CO2e)**
0

**Comment**
Emissions from this category were not material.

**Scope 3: Other (upstream)**

**Base year start**
January 1 2019

**Base year end**
December 31 2019

**Base year emissions (metric tons CO2e)**
0

**Comment**
There are no further relevant upstream categories

**Scope 3: Other (downstream)**

**Base year start**
January 1 2019

**Base year end**
December 31 2019

**Base year emissions (metric tons CO2e)**
0

**Comment**
There are no further relevant downstream categories

## C5.3

**(C5.3) 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: Corporate Value Chain (Scope 3) Standard

# 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)**
760000

**Start date**
January 1 2022

**End date**
December 31 2022

**Comment**
No additional comment

**Past year 1**

**Gross global Scope 1 emissions (metric tons CO2e)**
820000

**Start date**
January 1 2021

**End date**
December 31 2021

**Comment**
No additional comment

**Past year 2**

**Gross global Scope 1 emissions (metric tons CO2e)**
780000

**Start date**
January 1 2020

**End date**
December 31 2020

**Comment**
No additional comment

## C6.2

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

**Row 1**

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

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

**Comment**
No additional comment

## C6.3

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

**Reporting year**

**Scope 2, location-based**
1845000

**Scope 2, market-based (if applicable)**
230000

**Start date**
January 1 2022

**End date**
December 31 2022

**Comment**
No additional comment

**Past year 1**

**Scope 2, location-based**
2085571

**Scope 2, market-based (if applicable)**
230000

**Start date**
January 1 2021

**End date**
December 31 2021

**Comment**
No additional comment

**Past year 2**

**Scope 2, location-based**
2180000

**Scope 2, market-based (if applicable)**
210000

**Start date**
January 1 2020

**End date**
December 31 2020

**Comment**
No additional comment

## C6.4

**(C6.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1, Scope 2 or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure?**
No

## C6.5

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

**Purchased goods and services**

**Evaluation status**
Relevant, calculated

**Emissions in reporting year (metric tons CO2e)**
15010000

**Emissions calculation methodology**
Hybrid method

**Percentage of emissions calculated using data obtained from suppliers or value chain partners**
0

**Please explain**
For purchased goods, the weight for purchased product groups was multiplied by the specific emission factors of GaBi or internally determined group sector- and business area-specific CO2 factors. For purchased product groups, for which not all weight information was available, the missing share was determined through calculations. The missing value was extrapolated using either the number of units or the expenditures. The expenditures for services were multiplied either by the specific emission factors from Defra or by an internally determined emission
factor. Within this spend-based method, a small volume of expenditure classifications had been extrapolated.

### Capital goods

**Evaluation status**
Relevant, calculated

**Emissions in reporting year (metric tons CO2e)**
870000

**Emissions calculation methodology**
Spend-based method

**Percentage of emissions calculated using data obtained from suppliers or value chain partners**
0

**Please explain**
The expenditures for property, plant and equipment were multiplied either by the specific emission factors from Defra or by an internally determined emission factor. Within this spend-based method, a small volume of expenditure classifications has been extrapolated.

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

**Evaluation status**
Relevant, calculated

**Emissions in reporting year (metric tons CO2e)**
630000

**Emissions calculation methodology**
Fuel-based method

**Percentage of emissions calculated using data obtained from suppliers or value chain partners**
0

**Please explain**
The specific emission factors from Defra were used. The country-specific grid electricity emission factors were calculated based on the Defra calculation method.

### Upstream transportation and distribution

**Evaluation status**
Relevant, calculated

**Emissions in reporting year (metric tons CO2e)**
1000000

**Emissions calculation methodology**
Spend-based method

**Percentage of emissions calculated using data obtained from suppliers or value chain partners**
0

**Please explain**
The transportation performance for each mode of transport (road, rail, sea, and air) determined through calculations on the basis of logistics expenses, weight distance and transport equipment were multiplied by the specific emission factors of GaBi or Defra. This calculation did not cover the emissions from inbound logistics paid by the suppliers due to an accounting approach that is currently missing.

### Waste generated in operations

**Evaluation status**
Relevant, calculated

**Emissions in reporting year (metric tons CO2e)**
40000

**Emissions calculation methodology**
Waste-type-specific method

**Percentage of emissions calculated using data obtained from suppliers or value chain partners**
0

**Please explain**
Waste generation was multiplied by the specific emission factors from Defra.

### Business travel

**Evaluation status**
Relevant, calculated

**Emissions in reporting year (metric tons CO2e)**
50000

**Emissions calculation methodology**
Supplier-specific method
Hybrid method
Spend-based method

**Percentage of emissions calculated using data obtained from suppliers or value chain partners**
0

**Please explain**
CO2 emissions for business trips were obtained from travel booking service providers, including hotel accommodations as optional data. The emission factors were taken from Defra or vehicle manufacturers. In order to cover business trips that may not have been booked via these service providers, internal expert assessments for this portion were also used.

### Employee commuting

#### Evaluation status
Relevant, calculated

#### Emissions in reporting year (metric tons CO2e)
170000

#### Emissions calculation methodology
Average data method

#### Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

#### Please explain
Daily commuting time and means of transport were taken from an external global survey. For this average-data method, the emissions were calculated by taking the estimated commuting distance, effective working days and headcount together with Defra emission factors.

### Upstream leased assets

#### Evaluation status
Relevant, calculated

#### Emissions in reporting year (metric tons CO2e)
70000

#### Emissions calculation methodology
Average data method

#### Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

#### Please explain
Significant upstream leased assets are already accounted for under Scope 1 and Scope 2. The rented logistics warehouses and offices that have not already been reported were identified as additional assets to be reported. The size of the leased assets was multiplied by the country and asset specific emission factors from PCAF.

### Downstream transportation and distribution

#### Evaluation status
Relevant, calculated

#### Emissions in reporting year (metric tons CO2e)
450000

#### Emissions calculation methodology
Spend-based method

#### Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

#### Please explain
The logistics paid by the customer were extrapolated from Continental's own outbound logistics emissions from "Upstream transportation and distribution" based on the share of selfpickers determined by the total sales.

### Processing of sold products

#### Evaluation status
Relevant, calculated

#### Emissions in reporting year (metric tons CO2e)
1310000

#### Emissions calculation methodology
Supplier-specific method
Average data method
Average product method

#### Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

#### Please explain
With the help of the product weight sold and the average vehicle weight based on market data, a virtual vehicle quantity was modelled. In 2022, also commercial vehicles were introduced as virtual vehicles. This quantity was then multiplied by the Scope 1 and Scope 2 emissions per vehicle manufactured by selected automotive manufacturers. The calculation relates exclusively to Continental's vehicle business, and thus does not currently include the industrial business of the ContiTech Group Sector as well as ContiTrade, the trading organization of the Tires group sector, and the two-wheel business of the Tires group sector.

### Use of sold products

**Evaluation status**
Relevant, calculated

**Emissions in reporting year (metric tons CO2e)**
81920000

**Emissions calculation methodology**
Hybrid method

**Percentage of emissions calculated using data obtained from suppliers or value chain partners**
0

**Please explain**
The product weight sold for the Automotive and ContiTech group sector, as well as the number of tires sold for the Tires group sector were calculated using average-data methods with emission factors as shown below and other assumptions. The EU tire label classes were also taken into account for the Tires group sector. In fiscal 2022, the assumptions were same as in 2021, except for the commercial vehicle weight:
› The emission factor for passenger cars and light commercial vehicles was taken from the International Council on Clean Transportation (ICCT) (February 2023).
› The emission factor for heavy to medium commercial vehicles was taken from Defra.
› A service life of 200,000 km was assumed for passenger cars and light commercial vehicles (source: 2020 Sustainability Reports of Volkswagen and Daimler).
› For heavy to medium commercial vehicles, a service life of 1,000,000 km was assumed (source: internal expert assessment).
› The average vehicle weights for passenger cars and light commercial vehicles came from EEA (source: European Environment Agency 2022).
› The average vehicle weights for heavy to medium commercial vehicles were calculated from Defra and market data.
› The Tire's share of CO2 emissions as well as other assumptions such as tire service life and the number of tires per vehicle were based on internal expert assessments and published industrial
data.
› Bicycle tires were reported as zero CO2 emissions since they do not cause direct CO2 emissions during the use phase.

The calculation therefore related exclusively to Continental's vehicle business in passenger cars and light commercial vehicles as well as heavy to medium commercial vehicles. It does not currently include the industrial business of the ContiTech group sector, the two-wheel business of the Automotive group sector and parts of the specialty tires business, non-tire products and sold products of ContiTrade of the Tires group sector.

### End of life treatment of sold products

**Evaluation status**
Relevant, calculated

**Emissions in reporting year (metric tons CO2e)**
4360000

**Emissions calculation methodology**
Hybrid method

**Percentage of emissions calculated using data obtained from suppliers or value chain partners**
0

**Please explain**
The product weight sold was multiplied by the specific emission factors of GaBi in accordance with the disposal and recycling type. Internal expert assessments and industrial data were used in the classification of disposal and recycling type.

### Downstream leased assets

**Evaluation status**
Relevant, calculated

**Emissions in reporting year (metric tons CO2e)**
10000

**Emissions calculation methodology**
Average data method

**Percentage of emissions calculated using data obtained from suppliers or value chain partners**
0

**Please explain**
The size of the leased assets was multiplied by the country and asset specific emission factors from PCAF (Partnership for Carbon Accounting Financials). The leased equipment items (e.g. machinery) were multiplied by a specific emission factor from Defra.

### Franchises

**Evaluation status**
Relevant, calculated

**Emissions in reporting year (metric tons CO2e)**
40000

**Emissions calculation methodology**
Average data method

**Percentage of emissions calculated using data obtained from suppliers or value chain partners**
0

**Please explain**
The number of franchise locations was multiplied by internally determined energy consumption and specific emission factors from Defra.

**Investments**

**Evaluation status**
Relevant, calculated

**Emissions in reporting year (metric tons CO2e)**
30000

**Emissions calculation methodology**
Average data method

**Percentage of emissions calculated using data obtained from suppliers or value chain partners**
0

**Please explain**
Sales of equity-accounted investees in financial reporting were multiplied by the portion of Continental's financial contribution with own CO2 emissions (calculated based on Continental's Scopes 1 and 2 emissions) per euro of sales. In cases where sales could not be calculated, CO2 emissions were extrapolated based on the number of sales reporting companies.

**Other (upstream)**

**Evaluation status**
Not relevant, explanation provided

**Emissions in reporting year (metric tons CO2e)**
<Not Applicable>

**Emissions calculation methodology**
<Not Applicable>

**Percentage of emissions calculated using data obtained from suppliers or value chain partners**
<Not Applicable>

**Please explain**
There are no further relevant upstream categories.

**Other (downstream)**

**Evaluation status**
Not relevant, explanation provided

**Emissions in reporting year (metric tons CO2e)**
<Not Applicable>

**Emissions calculation methodology**
<Not Applicable>

**Percentage of emissions calculated using data obtained from suppliers or value chain partners**
<Not Applicable>

**Please explain**
There are no further relevant downstream categories.

## C6.5a

**(C6.5a) Disclose or restate your Scope 3 emissions data for previous years.**

**Past year 1**

**Start date**
January 1 2021

**End date**
December 31 2021

**Scope 3: Purchased goods and services (metric tons CO2e)**
12900000

**Scope 3: Capital goods (metric tons CO2e)**
1230000

**Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)**
610000

**Scope 3: Upstream transportation and distribution (metric tons CO2e)**
470000

**Scope 3: Waste generated in operations (metric tons CO2e)**
40000

**Scope 3: Business travel (metric tons CO2e)**
20000

**Scope 3: Employee commuting (metric tons CO2e)**
190000

**Scope 3: Upstream leased assets (metric tons CO2e)**
20000

**Scope 3: Downstream transportation and distribution (metric tons CO2e)**
30000

**Scope 3: Processing of sold products (metric tons CO2e)**
1420000

**Scope 3: Use of sold products (metric tons CO2e)**
87950000

**Scope 3: End of life treatment of sold products (metric tons CO2e)**
3660000

**Scope 3: Downstream leased assets (metric tons CO2e)**
10000

**Scope 3: Franchises (metric tons CO2e)**
10000

**Scope 3: Investments (metric tons CO2e)**
50000

**Scope 3: Other (upstream) (metric tons CO2e)**
0

**Scope 3: Other (downstream) (metric tons CO2e)**
0

**Comment**
There were no further relevant up- and downstream categories.

## C6.7

**(C6.7) Are carbon dioxide emissions from biogenic carbon relevant to your organization?**
No

## C6.10

**(C6.10) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.**

**Intensity figure**
0.000025075

**Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)**
990000

**Metric denominator**
unit total revenue

**Metric denominator: Unit total**
39400000000

**Scope 2 figure used**
Market-based

**% change from previous year**
19.36

**Direction of change**
Decreased

**Reason(s) for change**
Change in renewable energy consumption
Other emissions reduction activities
Change in revenue

**Please explain**
This figure decreased due to implemented energy efficiency measures, reduction activities to reduce the usage of fossil fuels (especially natural gas) while we had simultaneously a significant increase of our revenue.

## C7. Emissions breakdowns

### C7.1

**(C7.1) Does your organization break down its Scope 1 emissions by greenhouse gas type?**
No

### C7.2

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

| Country/area/region | Scope 1 emissions (metric tons CO2e) |
|---|---|
| Australia | 3156 |
| Belgium | 461 |
| Brazil | 33557 |
| Canada | 1539 |
| Chile | 1905 |
| China | 53277 |
| Czechia | 4064 |
| Ecuador | 17932 |
| Finland | 15 |
| France | 1330 |
| Germany | 132942 |
| Greece | 47 |
| Hungary | 21776 |
| India | 33057 |
| Italy | 2642 |
| Japan | 5 |
| Lithuania | 1075 |
| Malaysia | 19539 |
| Morocco | 0 |
| Mexico | 45368 |
| Philippines | 147 |
| Poland | 1446 |
| Portugal | 7546 |
| Romania | 53195 |
| Serbia | 7521 |
| Singapore | 1 |
| Slovakia | 66645 |
| Slovenia | 198 |
| South Africa | 15987 |
| Republic of Korea | 550 |
| Spain | 1364 |
| Sri Lanka | 4885 |
| Thailand | 7166 |
| Turkey | 2210 |
| United States of America | 182048 |
| United Kingdom of Great Britain and Northern Ireland | 7731 |
| Other, please specify (Rest of the world) | 25025 |

## 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) |
|---|---|
| Group Sector Tires | 395334 |
| Group Sector ContiTech | 290975 |
| Group Sector Automotive | 57298 |
| Default Locations Continental | 13745 |

## C7.5

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

| Country/area/region | Scope 2, location-based (metric tons CO2e) | Scope 2, market-based (metric tons CO2e) |
|---|---|---|
| Australia | 6099 | 0 |
| Belgium | 2434 | 0 |
| Brazil | 18763 | 0 |
| Canada | 12769 | 0 |
| Chile | 0 | 0 |
| China | 382238 | 19762 |
| Czechia | 185304 | 105738 |
| Ecuador | 5107 | 0 |
| Finland | 173 | 50 |
| France | 23975 | 23320 |
| Germany | 262121 | 43449 |
| Greece | 2173 | 0 |
| Hungary | 19259 | 0 |
| India | 54740 | 0 |
| Italy | 5112 | 0 |
| Japan | 6457 | 0 |
| Lithuania | 0 | 0 |
| Malaysia | 51493 | 0 |
| Morocco | 577 | 0 |
| Mexico | 89666 | 0 |
| Philippines | 18744 | 0 |
| Poland | 1658 | 0 |
| Portugal | 80028 | 34660 |
| Romania | 85820 | 0 |
| Serbia | 6336 | 0 |
| Singapore | 2415 | 0 |
| Slovakia | 2303 | 15 |
| Slovenia | 2009 | 1224 |
| South Africa | 44901 | 2052 |
| Republic of Korea | 9283 | 0 |
| Spain | 0 | 0 |
| Sri Lanka | 11461 | 338 |
| Thailand | 17605 | 0 |
| Turkey | 2650 | 0 |
| United States of America | 389877 | 0 |
| United Kingdom of Great Britain and Northern Ireland | 3290 | 0 |
| Other, please specify (Rest of the world) | 38160 | 0 |

## 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) |
|---|---|---|
| Group Sector Tires | 1003419 | 197928 |
| Group Sector ContiTech | 390260 | 31947 |
| Group Sector Automotive | 413161 | 733 |
| Default Locations Continental | 38160 | 0 |

## C7.7

**(C7.7) Is your organization able to break down your emissions data for any of the subsidiaries included in your CDP response?**

No

## 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 in emissions | Emissions value (percentage) | Please explain calculation |
|---|---|---|---|---|
| Change in renewable energy consumption | 60000 | Decreased | 5.7 | The share of consumption of renewable energies has increased in 2022 compared to the previous year. As a result, a saving of 60,000 tonnes of CO2 was achieved. This represents a reduction of 5.7% in total.<br><br>Formula:<br>X = ((Change in Scope 1+2 emissions attributed to the reason described in column 1)/Previous year Scope 1+2 emissions) * 100) |
| Other emissions reduction activities | 74748 | Decreased | 7.1 | CO2 emission reduction projects implemented in 2022 were summed up to 74,818 tCO2e. The percentage was calculated based on the total market-based CO2 emissions of 2022. Implemented energy efficiency projects included reduced demand of fossil fuels and reduced demand for purchased electricity. This represents a reduction of 7.1% in total.<br><br>Formula:<br>X = ((Change in Scope 1+2 emissions attributed to the reason described in column 1)/Previous year Scope 1+2 emissions) * 100) |
| Divestment | 0 | No change | 0 | N/A |
| Acquisitions | 0 | No change | 0 | N/A |
| Mergers | 0 | No change | 0 | N/A |
| Change in output | 0 | No change | 0 | N/A |
| Change in methodology | 0 | No change | 0 | N/A |
| Change in boundary | 0 | No change | 0 | N/A |
| Change in physical operating conditions | 0 | No change | 0 | N/A |
| Unidentified | 0 | No change | 0 | N/A |
| Other | 0 | No change | 0 | N/A |

## C7.9b

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

# C8. Energy

## C8.1

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

## C8.2

**(C8.2) Select which energy-related activities your organization has undertaken.**

| | Indicate whether your organization undertook this energy-related activity in the reporting year |
|---|---|
| Consumption of fuel (excluding feedstocks) | Yes |
| Consumption of purchased or acquired electricity | Yes |
| Consumption of purchased or acquired heat | Yes |
| Consumption of purchased or acquired steam | Yes |
| 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) | LHV (lower heating value) | 0 | 3595503 | 3595503 |
| Consumption of purchased or acquired electricity | <Not Applicable> | 4112716 | 0 | 4112716 |
| Consumption of purchased or acquired heat | <Not Applicable> | 0 | 11065 | 11065 |
| Consumption of purchased or acquired steam | <Not Applicable> | 0 | 860663 | 860663 |
| Consumption of purchased or acquired cooling | <Not Applicable> | <Not Applicable> | <Not Applicable> | <Not Applicable> |
| Consumption of self-generated non-fuel renewable energy | <Not Applicable> | 29121 | <Not Applicable> | 29121 |
| Total energy consumption | <Not Applicable> | 4141837 | 4467231 | 8609068 |

## 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 | No |
| Consumption of fuel for the generation of heat | Yes |
| Consumption of fuel for the generation of steam | No |
| Consumption of fuel for the generation of cooling | No |
| Consumption of fuel for co-generation or tri-generation | No |

## C8.2c

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

**Sustainable biomass**

**Heating value**
Unable to confirm heating value

**Total fuel MWh consumed by the organization**
0

**MWh fuel consumed for self-generation of electricity**
<Not Applicable>

**MWh fuel consumed for self-generation of heat**
<Not Applicable>

**MWh fuel consumed for self-generation of steam**
<Not Applicable>

**MWh fuel consumed for self-generation of cooling**
<Not Applicable>

**MWh fuel consumed for self- cogeneration or self-trigeneration**
<Not Applicable>

**Comment**
Not applicable in 2022

**Other biomass**

**Heating value**
LHV

**Total fuel MWh consumed by the organization**
36217

**MWh fuel consumed for self-generation of electricity**
<Not Applicable>

**MWh fuel consumed for self-generation of heat**
<Not Applicable>

**MWh fuel consumed for self-generation of steam**
<Not Applicable>

**MWh fuel consumed for self-generation of cooling**
<Not Applicable>

**MWh fuel consumed for self- cogeneration or self-trigeneration**
<Not Applicable>

**Comment**
No additional comment

### Other renewable fuels (e.g. renewable hydrogen)

**Heating value**
Unable to confirm heating value

**Total fuel MWh consumed by the organization**
0

**MWh fuel consumed for self-generation of electricity**
<Not Applicable>

**MWh fuel consumed for self-generation of heat**
<Not Applicable>

**MWh fuel consumed for self-generation of steam**
<Not Applicable>

**MWh fuel consumed for self-generation of cooling**
<Not Applicable>

**MWh fuel consumed for self- cogeneration or self-trigeneration**
<Not Applicable>

**Comment**
Not applicable in 2022

### Coal

**Heating value**
LHV

**Total fuel MWh consumed by the organization**
151587

**MWh fuel consumed for self-generation of electricity**
<Not Applicable>

**MWh fuel consumed for self-generation of heat**
<Not Applicable>

**MWh fuel consumed for self-generation of steam**
<Not Applicable>

**MWh fuel consumed for self-generation of cooling**
<Not Applicable>

**MWh fuel consumed for self- cogeneration or self-trigeneration**
<Not Applicable>

**Comment**
No additional comment

### Oil

**Heating value**
LHV

**Total fuel MWh consumed by the organization**
79121

**MWh fuel consumed for self-generation of electricity**
<Not Applicable>

**MWh fuel consumed for self-generation of heat**
<Not Applicable>

**MWh fuel consumed for self-generation of steam**
<Not Applicable>

**MWh fuel consumed for self-generation of cooling**
<Not Applicable>

**MWh fuel consumed for self- cogeneration or self-trigeneration**
<Not Applicable>

**Comment**
No additional comment

### Gas

**Heating value**
LHV

**Total fuel MWh consumed by the organization**
3185241

**MWh fuel consumed for self-generation of electricity**
<Not Applicable>

**MWh fuel consumed for self-generation of heat**
<Not Applicable>

**MWh fuel consumed for self-generation of steam**
<Not Applicable>

**MWh fuel consumed for self-generation of cooling**
<Not Applicable>

**MWh fuel consumed for self- cogeneration or self-trigeneration**
<Not Applicable>

**Comment**
No additional comment

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

**Heating value**
LHV

**Total fuel MWh consumed by the organization**
143337

**MWh fuel consumed for self-generation of electricity**
<Not Applicable>

**MWh fuel consumed for self-generation of heat**
<Not Applicable>

**MWh fuel consumed for self-generation of steam**
<Not Applicable>

**MWh fuel consumed for self-generation of cooling**
<Not Applicable>

**MWh fuel consumed for self- cogeneration or self-trigeneration**
<Not Applicable>

**Comment**
No additional comment

### Total fuel

**Heating value**
LHV

**Total fuel MWh consumed by the organization**
3595503

**MWh fuel consumed for self-generation of electricity**
<Not Applicable>

**MWh fuel consumed for self-generation of heat**
<Not Applicable>

**MWh fuel consumed for self-generation of steam**
<Not Applicable>

**MWh fuel consumed for self-generation of cooling**
<Not Applicable>

**MWh fuel consumed for self- cogeneration or self-trigeneration**
<Not Applicable>

**Comment**
No additional 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 | 95329 | 95329 | 29121 | 29121 |
| Heat | 0 | 0 | 0 | 0 |
| Steam | 0 | 0 | 0 | 0 |
| Cooling | 0 | 0 | 0 | 0 |

## C8.2g

**(C8.2g) Provide a breakdown by country/area of your non-fuel energy consumption in the reporting year.**

**Country/area**
Australia

**Consumption of purchased electricity (MWh)**
8868

**Consumption of self-generated electricity (MWh)**
0

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
8868

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**Country/area**
Belgium

**Consumption of purchased electricity (MWh)**
14653

**Consumption of self-generated electricity (MWh)**
0

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
14653

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**Country/area**
Brazil

**Consumption of purchased electricity (MWh)**
179725

**Consumption of self-generated electricity (MWh)**
11

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
179736

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**Country/area**
Canada

**Consumption of purchased electricity (MWh)**
4358

**Consumption of self-generated electricity (MWh)**
0

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**

4358

**Country/area**
Chile

**Consumption of purchased electricity (MWh)**
4136

**Consumption of self-generated electricity (MWh)**
0

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
4136

---

**Country/area**
China

**Consumption of purchased electricity (MWh)**
420131

**Consumption of self-generated electricity (MWh)**
15526

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
115749

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
551406

---

**Country/area**
Czechia

**Consumption of purchased electricity (MWh)**
329001

**Consumption of self-generated electricity (MWh)**
0

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
245120

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
574121

---

**Country/area**
Ecuador

**Consumption of purchased electricity (MWh)**
33976

**Consumption of self-generated electricity (MWh)**
0

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
33976

---

**Country/area**
Finland

**Consumption of purchased electricity (MWh)**
2197

**Consumption of self-generated electricity (MWh)**
0

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
1015

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
3212

---

**Country/area**
France

**Consumption of purchased electricity (MWh)**
105079

**Consumption of self-generated electricity (MWh)**
0

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
106320

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
211399

---

**Country/area**
Germany

**Consumption of purchased electricity (MWh)**
616200

**Consumption of self-generated electricity (MWh)**
2286

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
198066

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
816552

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**Country/area**
United Kingdom of Great Britain and Northern Ireland

**Consumption of purchased electricity (MWh)**
15638

**Consumption of self-generated electricity (MWh)**
53

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
15691

---

**Country/area**
Greece

**Consumption of purchased electricity (MWh)**
4371

**Consumption of self-generated electricity (MWh)**
0

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
4371

---

**Country/area**
Hungary

**Consumption of purchased electricity (MWh)**
84099

**Consumption of self-generated electricity (MWh)**
0

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
84099

---

**Country/area**
India

**Consumption of purchased electricity (MWh)**
84094

**Consumption of self-generated electricity (MWh)**
2222

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
86316

---

**Country/area**
Italy

**Consumption of purchased electricity (MWh)**
20316

**Consumption of self-generated electricity (MWh)**
0

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
20316

---

**Country/area**
Japan

**Consumption of purchased electricity (MWh)**
13210

**Consumption of self-generated electricity (MWh)**
0

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
13210

---

**Country/area**
Lithuania

**Consumption of purchased electricity (MWh)**
7964

**Consumption of self-generated electricity (MWh)**
0

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
7964

---

**Country/area**
Malaysia

**Consumption of purchased electricity (MWh)**
77445

**Consumption of self-generated electricity (MWh)**
349

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
77794

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**Country/area**
Morocco

**Consumption of purchased electricity (MWh)**
825

**Consumption of self-generated electricity (MWh)**
0

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
825

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**Country/area**
Mexico

**Consumption of purchased electricity (MWh)**
286668

**Consumption of self-generated electricity (MWh)**
64

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
286732

**Country/area**
Philippines

**Consumption of purchased electricity (MWh)**
27757

**Consumption of self-generated electricity (MWh)**
371

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
28128

**Country/area**
Poland

**Consumption of purchased electricity (MWh)**
2482

**Consumption of self-generated electricity (MWh)**
0

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
2482

**Country/area**
Portugal

**Consumption of purchased electricity (MWh)**
225959

**Consumption of self-generated electricity (MWh)**
2125

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
154544

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
382628

**Country/area**
Romania

**Consumption of purchased electricity (MWh)**
248609

**Consumption of self-generated electricity (MWh)**
62

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
248671

**Country/area**
Serbia

**Consumption of purchased electricity (MWh)**

14848

**Consumption of self-generated electricity (MWh)**
0

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
14848

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**Country/area**
Singapore

**Consumption of purchased electricity (MWh)**
6246

**Consumption of self-generated electricity (MWh)**
527

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
6773

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**Country/area**
Slovakia

**Consumption of purchased electricity (MWh)**
308420

**Consumption of self-generated electricity (MWh)**
549

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
90

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
309059

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**Country/area**
Slovenia

**Consumption of purchased electricity (MWh)**
3217

**Consumption of self-generated electricity (MWh)**
0

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
7171

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
10388

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**Country/area**
South Africa

**Consumption of purchased electricity (MWh)**
45750

**Consumption of self-generated electricity (MWh)**
47

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
12020

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
57817

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**Country/area**
Republic of Korea

**Consumption of purchased electricity (MWh)**
17946

**Consumption of self-generated electricity (MWh)**
0

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
17946

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**Country/area**
Spain

**Consumption of purchased electricity (MWh)**
3170

**Consumption of self-generated electricity (MWh)**
0

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
3170

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**Country/area**
Sri Lanka

**Consumption of purchased electricity (MWh)**
9923

**Consumption of self-generated electricity (MWh)**
0

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
31633

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
41556

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**Country/area**
Thailand

**Consumption of purchased electricity (MWh)**
37819

**Consumption of self-generated electricity (MWh)**
4930

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
42749

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**Country/area**
Turkey

**Consumption of purchased electricity (MWh)**
6119

**Consumption of self-generated electricity (MWh)**
0

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
6119

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**Country/area**
United States of America

**Consumption of purchased electricity (MWh)**
736357

**Consumption of self-generated electricity (MWh)**
0

**Is this electricity consumption excluded from your RE100 commitment?**
No

**Consumption of purchased heat, steam, and cooling (MWh)**
0

**Consumption of self-generated heat, steam, and cooling (MWh)**
0

**Total non-fuel energy consumption (MWh) [Auto-calculated]**
736357

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## C8.2h

**(C8.2h) Provide details of your organization's renewable electricity purchases in the reporting year by country/area.**

**Country/area of consumption of purchased renewable electricity**
Australia

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
8868

**Tracking instrument used**
Australian LGC

**Country/area of origin (generation) of purchased renewable electricity**
Australia

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

**Country/area of consumption of purchased renewable electricity**
Belgium

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
14653

**Tracking instrument used**
GO

**Country/area of origin (generation) of purchased renewable electricity**
Belgium

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Country of Origin: AIB member countries.
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

**Country/area of consumption of purchased renewable electricity**
Brazil

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
179725

**Tracking instrument used**
I-REC

**Country/area of origin (generation) of purchased renewable electricity**
Brazil

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

**Country/area of consumption of purchased renewable electricity**
Canada

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
4358

**Tracking instrument used**
US-REC

**Country/area of origin (generation) of purchased renewable electricity**

United States of America

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
Green-e

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
Chile

**Sourcing method**
Retail supply contract with an electricity supplier (retail green electricity)

**Renewable electricity technology type**
Wind

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
4136

**Tracking instrument used**
Contract

**Country/area of origin (generation) of purchased renewable electricity**
Chile

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2019

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
China

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
402492

**Tracking instrument used**
I-REC

**Country/area of origin (generation) of purchased renewable electricity**
China

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

**Country/area of consumption of purchased renewable electricity**
China

**Sourcing method**
Retail supply contract with an electricity supplier (retail green electricity)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
17639

**Tracking instrument used**
Contract

**Country/area of origin (generation) of purchased renewable electricity**
China

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2022

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

**Country/area of consumption of purchased renewable electricity**
Czechia

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
329001

**Tracking instrument used**
GO

**Country/area of origin (generation) of purchased renewable electricity**
Czechia

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Country of Origin: AIB member countries.
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

**Country/area of consumption of purchased renewable electricity**
Ecuador

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
33976

**Tracking instrument used**
I-REC

**Country/area of origin (generation) of purchased renewable electricity**
Peru

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2020

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
Finland

**Sourcing method**
Retail supply contract with an electricity supplier (retail green electricity)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
2197

**Tracking instrument used**
Contract

**Country/area of origin (generation) of purchased renewable electricity**
Finland

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2022

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Country of Origin: AIB member countries.
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
France

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
105079

**Tracking instrument used**
GO

**Country/area of origin (generation) of purchased renewable electricity**
France

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Country of Origin: AIB member countries.

Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

**Country/area of consumption of purchased renewable electricity**
Germany

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
616200

**Tracking instrument used**
GO

**Country/area of origin (generation) of purchased renewable electricity**
Germany

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**

Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

**Country/area of consumption of purchased renewable electricity**
United Kingdom of Great Britain and Northern Ireland

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
15638

**Tracking instrument used**
REGO

**Country/area of origin (generation) of purchased renewable electricity**
United Kingdom of Great Britain and Northern Ireland

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

**Country/area of consumption of purchased renewable electricity**
Greece

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
4371

**Tracking instrument used**
GO

**Country/area of origin (generation) of purchased renewable electricity**
Greece

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Country of Origin: AIB member countries.
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
Hungary

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
84099

**Tracking instrument used**
GO

**Country/area of origin (generation) of purchased renewable electricity**
Hungary

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Country of Origin: AIB member countries.
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
India

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
75389

**Tracking instrument used**
I-REC

**Country/area of origin (generation) of purchased renewable electricity**
India

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**

No additional, voluntary label

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
India

**Sourcing method**
Project-specific contract with an electricity supplier

**Renewable electricity technology type**
Solar

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
8705

**Tracking instrument used**
Contract

**Country/area of origin (generation) of purchased renewable electricity**
India

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2017

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
Japan

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
13210

**Tracking instrument used**
J-Credit (Renewable)

**Country/area of origin (generation) of purchased renewable electricity**
Japan

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
Lithuania

**Sourcing method**
Retail supply contract with an electricity supplier (retail green electricity)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
7964

**Tracking instrument used**

Contract

**Country/area of origin (generation) of purchased renewable electricity**
Lithuania

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Country of Origin: AIB member countries.
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
Malaysia

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
77445

**Tracking instrument used**
I-REC

**Country/area of origin (generation) of purchased renewable electricity**
Malaysia

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
Morocco

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
825

**Tracking instrument used**
I-REC

**Country/area of origin (generation) of purchased renewable electricity**
Morocco

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**

No additional, voluntary label

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
Mexico

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
252352

**Tracking instrument used**
I-REC

**Country/area of origin (generation) of purchased renewable electricity**
Mexico

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
Mexico

**Sourcing method**
Retail supply contract with an electricity supplier (retail green electricity)

**Renewable electricity technology type**
Wind

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
34316

**Tracking instrument used**
Contract

**Country/area of origin (generation) of purchased renewable electricity**
Mexico

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2013

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
Philippines

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
27757

**Tracking instrument used**

I-REC

**Country/area of origin (generation) of purchased renewable electricity**
Philippines

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
Poland

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
2482

**Tracking instrument used**
GO

**Country/area of origin (generation) of purchased renewable electricity**
Poland

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Country of Origin: AIB member countries.
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
Portugal

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
225959

**Tracking instrument used**
GO

**Country/area of origin (generation) of purchased renewable electricity**
Portugal

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**

No additional, voluntary label

**Comment**
Country of Origin: AIB member countries.
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
Romania

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
248609

**Tracking instrument used**
GO

**Country/area of origin (generation) of purchased renewable electricity**
Romania

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Country of Origin: AIB member countries.
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
Serbia

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
8502

**Tracking instrument used**
GO

**Country/area of origin (generation) of purchased renewable electricity**
Serbia

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Country of Origin: AIB member countries.
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
Serbia

**Sourcing method**
Retail supply contract with an electricity supplier (retail green electricity)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
6346

**Tracking instrument used**
Contract

**Country/area of origin (generation) of purchased renewable electricity**
Serbia

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Country of Origin: AIB member countries.
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
Singapore

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
6246

**Tracking instrument used**
I-REC

**Country/area of origin (generation) of purchased renewable electricity**
Malaysia

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
Slovakia

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
16516

**Tracking instrument used**
GO

**Country/area of origin (generation) of purchased renewable electricity**
Slovakia

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Country of Origin: AIB member countries.
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
Slovakia

**Sourcing method**
Retail supply contract with an electricity supplier (retail green electricity)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
291904

**Tracking instrument used**
Contract

**Country/area of origin (generation) of purchased renewable electricity**
Slovakia

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2022

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Country of Origin: AIB member countries.
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
Slovenia

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
3217

**Tracking instrument used**
GO

**Country/area of origin (generation) of purchased renewable electricity**
Slovenia

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Country of Origin: AIB member countries.
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
South Africa

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
45750

**Tracking instrument used**
I-REC

**Country/area of origin (generation) of purchased renewable electricity**
South Africa

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
Republic of Korea

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
17946

**Tracking instrument used**
I-REC

**Country/area of origin (generation) of purchased renewable electricity**
China

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

---

**Country/area of consumption of purchased renewable electricity**
Spain

**Sourcing method**
Retail supply contract with an electricity supplier (retail green electricity)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
3170

**Tracking instrument used**
Contract

**Country/area of origin (generation) of purchased renewable electricity**
Spain

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**

2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Country of Origin: AIB member countries.
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

---

**Country/area of consumption of purchased renewable electricity**
Sri Lanka

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
9923

**Tracking instrument used**
I-REC

**Country/area of origin (generation) of purchased renewable electricity**
Sri Lanka

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

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**Country/area of consumption of purchased renewable electricity**
Thailand

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
37819

**Tracking instrument used**
I-REC

**Country/area of origin (generation) of purchased renewable electricity**
Thailand

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

---

**Country/area of consumption of purchased renewable electricity**
Turkey

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
6119

**Tracking instrument used**
I-REC

**Country/area of origin (generation) of purchased renewable electricity**
Turkey

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

---

**Country/area of consumption of purchased renewable electricity**
United States of America

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
736357

**Tracking instrument used**
US-REC

**Country/area of origin (generation) of purchased renewable electricity**
United States of America

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**
2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
Green-e

**Comment**
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

---

**Country/area of consumption of purchased renewable electricity**
Italy

**Sourcing method**
Unbundled procurement of Energy Attribute Certificates (EACs)

**Renewable electricity technology type**
Renewable electricity mix, please specify (Renewable electricity from different renewable sources)

**Renewable electricity consumed via selected sourcing method in the reporting year (MWh)**
20316

**Tracking instrument used**
GO

**Country/area of origin (generation) of purchased renewable electricity**
Italy

**Are you able to report the commissioning or re-powering year of the energy generation facility?**
Yes

**Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**
2000

**Vintage of the renewable energy/attribute (i.e. year of generation)**

2022

**Supply arrangement start year**
2021

**Additional, voluntary label associated with purchased renewable electricity**
No additional, voluntary label

**Comment**
Country of Origin: AIB member countries.
Due to the variety of facilities in the different countries, each with a different start date, we have chosen "2000" as the commissioning year of the energy generation facility.

## C8.2i

**(C8.2i) Provide details of your organization's low-carbon heat, steam, and cooling purchases in the reporting year by country/area..**

**Sourcing method**
Heat/steam/cooling supply agreement

**Country/area of consumption of low-carbon heat, steam or cooling**
Germany

**Energy carrier**
Heat

**Low-carbon technology type**
Renewable energy mix

**Low-carbon heat, steam, or cooling consumed (MWh)**
5867

**Comment**
This figure applies to our sites in Ingolstadt & Regensburg

## C8.2j

**(C8.2j) Provide details of your organization's renewable electricity generation by country/area in the reporting year.**

**Country/area of generation**
Brazil

**Renewable electricity technology type**
Solar

**Facility capacity (MW)**
1

**Total renewable electricity generated by this facility in the reporting year (MWh)**
11

**Renewable electricity consumed by your organization from this facility in the reporting year (MWh)**
11

**Energy attribute certificates issued for this generation**
No

**Type of energy attribute certificate**
<Not Applicable>

**Comment**
Since no data is available for the "Facility Capacity" at Group Level, we have entered for every facility "1 MW".
Self generated electricity was checked as part of the annual assurance process from an external auditor.

**Country/area of generation**
China

**Renewable electricity technology type**
Solar

**Facility capacity (MW)**
1

**Total renewable electricity generated by this facility in the reporting year (MWh)**
15526

**Renewable electricity consumed by your organization from this facility in the reporting year (MWh)**
15526

**Energy attribute certificates issued for this generation**
No

**Type of energy attribute certificate**
<Not Applicable>

**Comment**
Since no data is available for the "Facility Capacity" at Group Level, we have entered for every facility "1 MW".
Self generated electricity was checked as part of the annual assurance process from an external auditor.

---

**Country/area of generation**
Germany

**Renewable electricity technology type**
Solar

**Facility capacity (MW)**
1

**Total renewable electricity generated by this facility in the reporting year (MWh)**
2286

**Renewable electricity consumed by your organization from this facility in the reporting year (MWh)**
2286

**Energy attribute certificates issued for this generation**
No

**Type of energy attribute certificate**
<Not Applicable>

**Comment**
Since no data is available for the "Facility Capacity" at Group Level, we have entered for every facility "1 MW".
Self generated electricity was checked as part of the annual assurance process from an external auditor.

---

**Country/area of generation**
United Kingdom of Great Britain and Northern Ireland

**Renewable electricity technology type**
Solar

**Facility capacity (MW)**
1

**Total renewable electricity generated by this facility in the reporting year (MWh)**
53

**Renewable electricity consumed by your organization from this facility in the reporting year (MWh)**
53

**Energy attribute certificates issued for this generation**
No

**Type of energy attribute certificate**
<Not Applicable>

**Comment**
Since no data is available for the "Facility Capacity" at Group Level, we have entered for every facility "1 MW".
Self generated electricity was checked as part of the annual assurance process from an external auditor.

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**Country/area of generation**
India

**Renewable electricity technology type**
Solar

**Facility capacity (MW)**
1

**Total renewable electricity generated by this facility in the reporting year (MWh)**
2222

**Renewable electricity consumed by your organization from this facility in the reporting year (MWh)**
2222

**Energy attribute certificates issued for this generation**
No

**Type of energy attribute certificate**
<Not Applicable>

**Comment**
Since no data is available for the "Facility Capacity" at Group Level, we have entered for every facility "1 MW".
Self generated electricity was checked as part of the annual assurance process from an external auditor.

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**Country/area of generation**
Malaysia

**Renewable electricity technology type**
Solar

**Facility capacity (MW)**
1

**Total renewable electricity generated by this facility in the reporting year (MWh)**
349

**Renewable electricity consumed by your organization from this facility in the reporting year (MWh)**
349

**Energy attribute certificates issued for this generation**
No

**Type of energy attribute certificate**
<Not Applicable>

**Comment**
Since no data is available for the "Facility Capacity" at Group Level, we have entered for every facility "1 MW".
Self generated electricity was checked as part of the annual assurance process from an external auditor.

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**Country/area of generation**
Mexico

**Renewable electricity technology type**
Solar

**Facility capacity (MW)**
1

**Total renewable electricity generated by this facility in the reporting year (MWh)**
64

**Renewable electricity consumed by your organization from this facility in the reporting year (MWh)**
64

**Energy attribute certificates issued for this generation**
No

**Type of energy attribute certificate**
<Not Applicable>

**Comment**
Since no data is available for the "Facility Capacity" at Group Level, we have entered for every facility "1 MW".
Self generated electricity was checked as part of the annual assurance process from an external auditor.

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**Country/area of generation**
Philippines

**Renewable electricity technology type**
Solar

**Facility capacity (MW)**
1

**Total renewable electricity generated by this facility in the reporting year (MWh)**
371

**Renewable electricity consumed by your organization from this facility in the reporting year (MWh)**
371

**Energy attribute certificates issued for this generation**
No

**Type of energy attribute certificate**
<Not Applicable>

**Comment**
Since no data is available for the "Facility Capacity" at Group Level, we have entered for every facility "1 MW".
Self generated electricity was checked as part of the annual assurance process from an external auditor.

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**Country/area of generation**
Portugal

**Renewable electricity technology type**
Solar

**Facility capacity (MW)**
1

**Total renewable electricity generated by this facility in the reporting year (MWh)**
2125

**Renewable electricity consumed by your organization from this facility in the reporting year (MWh)**
2125

**Energy attribute certificates issued for this generation**
No

**Type of energy attribute certificate**
<Not Applicable>

**Comment**
Since no data is available for the "Facility Capacity" at Group Level, we have entered for every facility "1 MW".

Self generated electricity was checked as part of the annual assurance process from an external auditor.

**Country/area of generation**
Romania

**Renewable electricity technology type**
Solar

**Facility capacity (MW)**
1

**Total renewable electricity generated by this facility in the reporting year (MWh)**
62

**Renewable electricity consumed by your organization from this facility in the reporting year (MWh)**
62

**Energy attribute certificates issued for this generation**
No

**Type of energy attribute certificate**
<Not Applicable>

**Comment**
Since no data is available for the "Facility Capacity" at Group Level, we have entered for every facility "1 MW".
Self generated electricity was checked as part of the annual assurance process from an external auditor.

**Country/area of generation**
Singapore

**Renewable electricity technology type**
Solar

**Facility capacity (MW)**
1

**Total renewable electricity generated by this facility in the reporting year (MWh)**
527

**Renewable electricity consumed by your organization from this facility in the reporting year (MWh)**
527

**Energy attribute certificates issued for this generation**
No

**Type of energy attribute certificate**
<Not Applicable>

**Comment**
Since no data is available for the "Facility Capacity" at Group Level, we have entered for every facility "1 MW".
Self generated electricity was checked as part of the annual assurance process from an external auditor.

**Country/area of generation**
Slovakia

**Renewable electricity technology type**
Solar

**Facility capacity (MW)**
1

**Total renewable electricity generated by this facility in the reporting year (MWh)**
549

**Renewable electricity consumed by your organization from this facility in the reporting year (MWh)**
549

**Energy attribute certificates issued for this generation**
No

**Type of energy attribute certificate**
<Not Applicable>

**Comment**
Since no data is available for the "Facility Capacity" at Group Level, we have entered for every facility "1 MW".
Self generated electricity was checked as part of the annual assurance process from an external auditor.

**Country/area of generation**
South Africa

**Renewable electricity technology type**
Solar

**Facility capacity (MW)**
1

**Total renewable electricity generated by this facility in the reporting year (MWh)**
47

**Renewable electricity consumed by your organization from this facility in the reporting year (MWh)**
47

**Energy attribute certificates issued for this generation**
No

**Type of energy attribute certificate**
<Not Applicable>

**Comment**
Since no data is available for the "Facility Capacity" at Group Level, we have entered for every facility "1 MW".
Self generated electricity was checked as part of the annual assurance process from an external auditor.

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**Country/area of generation**
Thailand

**Renewable electricity technology type**
Solar

**Facility capacity (MW)**
1

**Total renewable electricity generated by this facility in the reporting year (MWh)**
4930

**Renewable electricity consumed by your organization from this facility in the reporting year (MWh)**
4930

**Energy attribute certificates issued for this generation**
No

**Type of energy attribute certificate**
<Not Applicable>

**Comment**
Since no data is available for the "Facility Capacity" at Group Level, we have entered for every facility "1 MW".
Self generated electricity was checked as part of the annual assurance process from an external auditor.

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## C8.2k

**(C8.2k) Describe how your organization's renewable electricity sourcing strategy directly or indirectly contributes to bringing new capacity into the grid in the countries/areas in which you operate.**

Continental applies strict standards to achieve its ambitious sustainability goals. To ensure that the relevant criteria are met, the technology company relies on self-generated energy, specially designed green power purchase agreements and so-called energy attribute certificates (EACs). These certify from which sources and from which locations the green electricity originates. Only in a few exceptional cases were energy attribute certificates obtained from countries that were directly connected to the electricity grid of the country in which the electricity was consumed, for strict criteria. If there is no direct connection between the countries, Continental purchases energy attribute certificates from the nearest neighbouring country. All energy attribute certificates can only be used once because they are deleted directly from the respective certificate registers.

Continental bases the quality characteristics of its energy attribute certificates on the criteria of the RE100 initiative, which the company joined in June 2020. RE100 is a worldwide alliance of companies that have set themselves the goal of using only green electricity in the future. In 2020, 2021 and 2022 a large share of the consumed electricity was covered by EACs. For the upcoming years, Continental is working on a holistic renewable electricity strategy to balance the green electricity portfolio. This includes among others an increased share of self-generated renewable electricity, the usage of on-site and as well off-site Power Purchase Agreements.

## C8.2l

**(C8.2l) In the reporting year, has your organization faced any challenges to sourcing renewable electricity?**

| | Challenges to sourcing renewable electricity | Challenges faced by your organization which were not country/area-specific |
|---|---|---|
| Row 1 | Yes, both in specific countries/areas and in general | In some markets it was challenging to buy a small quantity of Energy Attribute Certificates (EACs) |

## C8.2m

**(C8.2m) Provide details of the country/area-specific challenges to sourcing renewable electricity faced by your organization in the reporting year.**

| Country/area | Reason(s) why it was challenging to source renewable electricity within selected country/area | Provide additional details of the barriers faced within this country/area |
|---|---|---|
| Ecuador | Lack of credible renewable electricity procurement options (e.g. EACs, Green Tariffs) | Not able to meet RE100 criteria in this country |
| Morocco | Limited supply of renewable electricity in the market | Limited supply of renewable electricity in the market |
| Republic of Korea | Lack of credible renewable electricity procurement options (e.g. EACs, Green Tariffs) | Not able to meet RE100 criteria in this country |
| Singapore | Limited supply of renewable electricity in the market | Limited supply of renewable electricity in the market |

## C9. Additional metrics

### C9.1

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

**Description**
Waste

**Metric value**
401316

**Metric numerator**
Metric tons

**Metric denominator (intensity metric only)**
Not applicable

**% change from previous year**
1

**Direction of change**
Decreased

**Please explain**
Waste generation in fiscal 2022 amounted to 401,316 metric tons (PY: 405,249 metric tons), which represents a decrease of 1.0% year-on-year. Hazardous waste accounts for a share of 8.7% (PY: 8.2%). In relation to group sales, waste generation saw a decline of 15.2%.

**Description**
Energy usage

**Metric value**
8.6

**Metric numerator**
TWh

**Metric denominator (intensity metric only)**
Not applicable

**% change from previous year**
4

**Direction of change**
Decreased

**Please explain**
Our energy consumption in fiscal 2022 was 8.6 TWh (PY: 9.0 TWh), with purchased electricity and natural gas accounting for most of this. Energy consumption decreased by 4.0% year-on-year. This is attributable to energy saving and efficiency measures to lower fossil fuel consumption as a result of the energy crisis, particularly in Europe. Measured in relation to group sales, this figure saw a decline of 17.8%.

## C10. Verification

### C10.1

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

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

### C10.1a

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

**Verification or assurance cycle in place**
Annual process

**Status in the current reporting year**
Complete

**Type of verification or assurance**
Reasonable assurance

**Attach the statement**
CDP-Verification_Conti_2022_signed_inkl.Anlagen.pdf

**Page/ section reference**
Pages 1 -3

**Relevant standard**
ISAE3000

**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 market-based

**Verification or assurance cycle in place**
Annual process

**Status in the current reporting year**
Complete

**Type of verification or assurance**
Reasonable assurance

**Attach the statement**
CDP-Verification_Conti_2022_signed_inkl.Anlagen.pdf

**Page/ section reference**
Pages 1 - 3

**Relevant standard**
ISAE3000

**Proportion of reported emissions verified (%)**
100

## C10.1c

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

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

**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**
CDP-Verification_Conti_2022_signed_inkl.Anlagen.pdf

**Page/section reference**
Page 1 - 3

**Relevant standard**
ISAE3000

**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 |
|---|---|---|---|
| C9. Additional metrics | Waste data | Limited assurance report: International Standard on Assurance Engagements (ISAE) 3000 (Revised) | Additional metrics such as waste generation by type or water demand by source are also verified for our Integrated Sustainbility Report on an annual basis. continental-sustainability-report-2022.pdf |

continental-sustainability-report-2022.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.**
EU ETS

## C11.1b

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

**EU ETS**

**% of Scope 1 emissions covered by the ETS**
20

**% of Scope 2 emissions covered by the ETS**
0

**Period start date**
January 1 2022

**Period end date**
December 31 2022

**Allowances allocated**
31964

**Allowances purchased**
122466

**Verified Scope 1 emissions in metric tons CO2e**
154430

**Verified Scope 2 emissions in metric tons CO2e**
0

**Details of ownership**
Facilities we own and operate

**Comment**
No additional comment

## C11.1d

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

At all our locations we reduce the amount of allowances needed by increasing energy efficiency and implementing CO2-saving initiatives. This is also in line with our SBTi-targets and 2040 carbon neutral targets. Our plants in Northeim, Vahrenwald, Waltershausen, Hamburg, Weißbach, Puchov and Timisoara are currently regulated by the system and are obliged to report annually on their emissions via a dedicated emission report. Consumption data is collected monthly, and emissions are calculated as well regularly on location level and validated on Group Sector level. After each reporting period the data collection process and the entered data are verified internally and afterwards approved by an external auditor on Group Level.

As a main pillar we want to implement energy efficiency measures to save 1.0 TWh until 2030. Alone in 2022 we implemented 631 energy efficiency projects in production processes with an investment of € 23.919 million, allowing us to reduce energy consumption and therefore saving 74,748 t CO2e. Lower energy consumption results in less energy needing to be produced on-site, which again leads to less emission allowances having to be purchased. In addition, as a RE100 member, we are purchasing since 2020 green electricity.

Additionally, locations in scope are in regular contact with the central purchasing department about the emissions which must be covered via allowances. However, Group Purchasing developed a long-term strategy to regularly purchase allowances and to take into consideration the predicted number of allowances for the upcoming years. Purchasing of allowances is done frequently during the year on Group Level. Our employees working in energy and engineering roles work closely together. This ensures a continuous transfer of knowledge and enables highly efficient technologies to be implemented in all areas across different locations.

## C11.2

**(C11.2) Has your organization canceled any project-based carbon credits within the reporting year?**
No

## C11.3

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

## C11.3a

**(C11.3a) Provide details of how your organization uses an internal price on carbon.**

**Type of internal carbon price**
Shadow price

**How the price is determined**
Alignment with the price of allowances under an Emissions Trading Scheme
Cost of required measures to achieve emissions reduction targets
Benchmarking against peers

**Objective(s) for implementing this internal carbon price**
Drive low-carbon investment

**Scope(s) covered**
Scope 1
Scope 2

**Pricing approach used – spatial variance**
Uniform

**Pricing approach used – temporal variance**
Static

**Indicate how you expect the price to change over time**
<Not Applicable>

**Actual price(s) used – minimum (currency as specified in C0.4 per metric ton CO2e)**
60

**Actual price(s) used – maximum (currency as specified in C0.4 per metric ton CO2e)**
60

**Business decision-making processes this internal carbon price is applied to**
Capital expenditure
Operations
Procurement

**Mandatory enforcement of this internal carbon price within these business decision-making processes**
Yes, for all decision-making processes

**Explain how this internal carbon price has contributed to the implementation of your organization's climate commitments and/or climate transition plan**
Increase in low carbon technology investment

## C12. Engagement

### C12.1

**(C12.1) Do you engage with your value chain on climate-related issues?**
Yes, our suppliers
Yes, our customers/clients

### C12.1a

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

**Type of engagement**
Innovation & collaboration (changing markets)

**Details of engagement**
Run a campaign to encourage innovation to reduce climate impacts on products and services

**% of suppliers by number**
5

**% total procurement spend (direct and indirect)**
5

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

**Rationale for the coverage of your engagement**
Through intense direct cooperation with our suppliers in the Tires Group Sector we were able to reach out and convince approximately 5% of our suppliers to engage with sustainability issues such as circular economy. The co-operations are based on mutual interest for sustainability issues.
We identified together potential materials with a significantly lower carbon footprint (e.g. recycled or bio-based materials).
For example, the aim of a close collaboration with a specific supplier is to further optimize and expand the recycling of end-of-life tires through pyrolysis. In the future, among other things, particularly high-quality recovered carbon black (rCB) is to be obtained for tire production of Continental. Carbon black is an important component of many tire compounds. By using high-quality carbon black, the performance of tires can be specifically improved. Industrial carbon black is an important resource used in tire production and in the manufacture of other industrial rubber products. Carbon black recovered from end-of-life tires saves fossil raw materials and will contribute significantly to reducing CO2 emissions. The specific use of carbon black in rubber compounds increases the stability, strength and durability of tires. In a standard

passenger car tire, the amount of carbon black to which tires owe their black color is 15-20 percent.

**Impact of engagement, including measures of success**
Through this engagement we have seen a reduction of CO2 emissions from the targeted partners and an increase in resource efficiency in general. Currently this engagement caused emission reductions of <1% of the emissions caused by all purchased goods (<129,000 tCO2e). We expect this share to increase due to further engagement over the next years.
At this stage we do not make use of specific emission reduction or efficiency targets, but instead assess the direction of change of these two indicators.
Furthermore, sustainable materials and circular economy are an important part of Continental's sustainability strategy. End-of-life tires are a raw material for Continental in the wrong place. We believe that circular economy is the model of the future. Modern, highly efficient pyrolysis processes are very important to us in this regard. As part of our ambitious sustainability strategy, we will increase the use of sustainable materials in our tire products to 100 percent by 2050 at the latest, for which recycled materials will make a significant contribution. As part of a closed-loop system, tires will in future become the starting material for new tires.

**Comment**
No additional comments

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**Type of engagement**
Engagement & incentivization (changing supplier behavior)

**Details of engagement**
Other, please specify (Include climate change in supplier selection / management mechanism)

**% of suppliers by number**
100

**% total procurement spend (direct and indirect)**
100

**% of supplier-related Scope 3 emissions as reported in C6.5**
100

**Rationale for the coverage of your engagement**
Climate-related metrics are part of the supplier evaluation process and it is part of the decision making process. In our Business Partner Code of Conduct, we define the fundamental sustainability requirements for our supply chains, including regard to human rights, working conditions, environmental protection (incl. climate protection) and anti-corruption. We expect an optimization of environmental performance from all of our strategic supplier engagements at a minimum.
We assess compliance with the sustainability requirements of the Business Partner Code of Conduct in particular with the help of self-assessment questionnaires via sustainability platforms EcoVadis and NQC, which represent a generally accepted standard for sustainability assessments of suppliers in our industries. In 2022, we reached out to approximately 51% of our strategic suppliers via these platforms.

**Impact of engagement, including measures of success**
The self-assessments incentivize suppliers to comply with our requirements.
We have identified various effective levers for achieving carbon neutrality beyond our own production processes and throughout the value chain (Scope 3 CO2 emissions in accordance with the GHG Protocol) by 2050 at the latest.
These relate to the use phase of our products, coupled with the global shift toward emission-free mobility and industries, product design and the conversion of materials used to renewable and recycled materials. We see the improvements in those area as a first success and as a result of our performance.

**Comment**
No additional comments

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**Type of engagement**
Information collection (understanding supplier behavior)

**Details of engagement**
Collect targets information at least annually from suppliers
Collect climate-related risk and opportunity information at least annually from suppliers
Collect climate transition plan information at least annually from suppliers
Collect other climate related information at least annually from suppliers

**% of suppliers by number**
50

**% total procurement spend (direct and indirect)**
50

**% of supplier-related Scope 3 emissions as reported in C6.5**
10

**Rationale for the coverage of your engagement**
100% Procurement Compliance
Continental Automotive implements globally transparent, standardized procurement processes via the SupplyOn central platform.
To ensure that international corporate groups comply with the strict compliance guidelines laid down by law and those of their customers, they need maximum transparency in all of the procurement decisions to award contracts. This ensures a systematic collection of PCFs and annual surveys on company carbon footprint and use of renewable energies. In 2022 we reached 50% of our suppliers via SupplyOn.

**Impact of engagement, including measures of success**
The SupplyOn solution
Continental Automotive decided to deploy SupplyOn Sourcing across the entire group in order to meet its procurement related challenges. Firstly, the tool means that everyone involved in a procurement decision can be included in the process from the outset and has access to all the necessary documents and information. Secondly, the tool documents every contract award transparently and in accordance with compliance requirements to ensure that the award decision is transparent and incontestable. The option of „freezing“ an RfQ process once it has been closed, i.e. saving it so that it can no longer be changed, completes the available compliance functions.

Challenges
Continental Automotive was faced with the challenge of restructuring its procurement processes on a global scale and mapping them in such a way that they would meet the increasing compliance requirements laid down by law and those of their customers. They wanted to introduce a central system for the approx. 2,500 decisions that the corporate group makes on awarding contracts every year through which it could handle and document the entire process from the requests for quotations right through to the final awarding. The goal was to be able to retrace every sourcing decision from start to finish anywhere in the world with minimum effort.

In order to tangibly improve the purchasing organization's efficiency, a procurement database was set up in which every position of every request all around the world is logged: the so-called Sourcing List. This function not only allows for insightful analyses on volumes and prices, which strengthen the buyer's negotiating position, but also facilitates the measurement and transparency of the purchasing organization's success.

**Comment**
No additional comment

## C12.1b

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

**Type of engagement & Details of engagement**

| | |
|---|---|
| Collaboration & innovation | Run a campaign to encourage innovation to reduce climate change impacts |

**% of customers by number**
100

**% of customer - related Scope 3 emissions as reported in C6.5**
80

**Please explain the rationale for selecting this group of customers and scope of engagement**
In the end 100% of our Scope 1,2,3 emissions are related to our business with customers. Most of our customers are the big automotive OEMs as well as consumers for our replacement business. OEMs are selected one by one summing up to close to 100%. The use of sold products is around 80% of our total carbon footprint – and it is completely related to our customers ambitions for carbon neutrality.
The whole campaign started reaching out and setting regular dialogues with our customers regarding the decarbonization of the supply chain and also developing a way to meet our targets. The exchange and regular dialogues are continuously ongoing and are planned to improve over the next years. This will be an essential part of further engagement activities.

**Impact of engagement, including measures of success**
With several OEM customers we initiated close dialogues on how to achieve carbon neutrality. The success of these measures is documented in different ways, e.g. with contractual agreements on concrete emission reductions such as the usage of electricity from renewable sources or the reduced usage of natural gas or heating oil in our production processes. With one global customer from the automotive sector we already have an alignment that all delivered Continental products are manufactured with electricity from renewable sources, which equals 3,5% of our sales volume in 2022. This measure also successfully reduces our customers CO2 backpack. We expect this number to grow as more customers join this campaign. Also, our RE 100 project is partially based and aligned on these dialogues. This is just the beginning of our journey. We plan to become carbon neutral in our own operations until 2040. Expanding this commitment will help us meet our targets. Also, our portfolio with products for carbonneutral mobility increases rapidly and at the same time the share of recycled products we offer.

## C12.2

**(C12.2) Do your suppliers have to meet climate-related requirements as part of your organization's purchasing process?**
Yes, suppliers have to meet climate-related requirements, but they are not included in our supplier contracts

## C12.2a

**(C12.2a) Provide details of the climate-related requirements that suppliers have to meet as part of your organization's purchasing process and the compliance mechanisms in place.**

**Climate-related requirement**
Climate-related disclosure through a non-public platform

**Description of this climate related requirement**
We have committed to reach Net Zero across our Scope 3 emissions by 2050.
To achieve this, one of our key levers will be supplier engagement, by partnering with our suppliers to strengthen the environmental performance of our supply chain. We assess compliance with the sustainability requirements set by our Code of Conduct for Business Partners, in particular by means of self-assessments using the EcoVadis and NQC platforms. The Business Partner Code of Conduct was also expanded accordingly with a view to carbon neutrality.

**% suppliers by procurement spend that have to comply with this climate-related requirement**
100

**% suppliers by procurement spend in compliance with this climate-related requirement**
100

**Mechanisms for monitoring compliance with this climate-related requirement**
Supplier self-assessment
Off-site third-party verification
Supplier scorecard or rating

**Response to supplier non-compliance with this climate-related requirement**
Retain and engage

## C12.3

**(C12.3) Does your organization engage in activities that could either directly or indirectly influence policy, law, or regulation that may impact the climate?**

**Row 1**

**External engagement activities that could directly or indirectly influence policy, law, or regulation that may impact the climate**
Yes, we engage directly with policy makers
Yes, our membership of/engagement with trade associations could influence policy, law, or regulation that may impact the climate

**Does your organization have a public commitment or position statement to conduct your engagement activities in line with the goals of the Paris Agreement?**
Yes

**Attach commitment or position statement(s)**
Continental_Factbook_2021.pdf

**Describe the process(es) your organization has in place to ensure that your external engagement activities are consistent with your climate commitments and/or climate transition plan**
Regular review process of internal documents.
All employees in those activities have a direct reporting line towards the executive board. They are informed regularly about upcoming changes.

**Primary reason for not engaging in activities that could directly or indirectly influence policy, law, or regulation that may impact the climate**
<Not Applicable>

**Explain why your organization does not engage in activities that could directly or indirectly influence policy, law, or regulation that may impact the climate**
<Not Applicable>

## C12.3a

**(C12.3a) On what policy, law, or regulation that may impact the climate has your organization been engaging directly with policy makers in the reporting year?**

**Specify the policy, law, or regulation on which your organization is engaging with policy makers**
We engage in policy making via the RE100 initiative to actively foster the ramp-up of new renewable electricity technologies in all markets worldwide.
Continentals Head of Sustainability is member of the advisory committee for Sustainable finance.

**Category of policy, law, or regulation that may impact the climate**
Climate change mitigation

**Focus area of policy, law, or regulation that may impact the climate**
Climate-related targets
Climate transition plans
Emissions – CO2

**Policy, law, or regulation geographic coverage**
Global

**Country/area/region the policy, law, or regulation applies to**
<Not Applicable>

**Your organization's position on the policy, law, or regulation**
Neutral

**Description of engagement with policy makers**
Involvement in associations or initiatives such as RE100 can strengthen or attenuate policy actions providing improved boundary conditions for the industry concerned

**Details of exceptions (if applicable) and your organization's proposed alternative approach to the policy, law or regulation**
<Not Applicable>

**Have you evaluated whether your organization's engagement on this policy, law, or regulation is aligned with the goals of the Paris Agreement?**
Yes, we have evaluated, and it is aligned

**Please explain whether this policy, law or regulation is central to the achievement of your climate transition plan and, if so, how?**
RE100 plays an important role achieving our energy reduction and carbon targets.

## C12.3b

**(C12.3b) Provide details of the trade associations your organization is a member of, or engages with, which are likely to take a position on any policy, law or regulation that may impact the climate.**

**Trade association**
German Automotive Association (VDA)

**Is your organization's position on climate change policy consistent with theirs?**
Consistent

**Has your organization attempted to influence their position in the reporting year?**
No, we did not attempt to influence their position

**Describe how your organization's position is consistent with or differs from the trade association's position, and any actions taken to influence their position**
Climate protection has top priority, and the automotive industry supports the ambitious Paris climate targets. The VDA therefore welcomes an ambitious EU climate action policy. A holistic view will be needed if we are to achieve the objective of a CO2 reduction in the mobility sector together. This should take into account not only new vehicle technology but also driving styles and mileages, the vehicle fleet and the CO2 impact of fuels and electricity. Promoting alternative fuels such as hydrogen and e-fuels in particular represents a major lever for reducing CO2 output from vehicles already on the roads

**Funding figure your organization provided to this trade association in the reporting year (currency as selected in C0.4)**

**Describe the aim of your organization's funding**
<Not Applicable>

**Have you evaluated whether your organization's engagement with this trade association is aligned with the goals of the Paris Agreement?**
Yes, we have evaluated, and it is aligned

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**Trade association**
Other, please specify (ETRMA)

**Is your organization's position on climate change policy consistent with theirs?**
Consistent

**Has your organization attempted to influence their position in the reporting year?**
No, we did not attempt to influence their position

**Describe how your organization's position is consistent with or differs from the trade association's position, and any actions taken to influence their position**
Continental supports the EU climate change policy, but points out that improvements of products towards those that consume less fuel often involves some trade offs that have to be recognized. For example, improving the rolling resistance of tires leads to longer breaking distances. This classical trade off can only be solved by intensive R&D efforts, which consumes a great deal of time and money.

**Funding figure your organization provided to this trade association in the reporting year (currency as selected in C0.4)**

**Describe the aim of your organization's funding**
<Not Applicable>

**Have you evaluated whether your organization's engagement with this trade association is aligned with the goals of the Paris Agreement?**
Yes, we have evaluated, and it is aligned

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## 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**
continental_annual_report_2022.pdf

**Page/Section reference**
Entire document

**Content elements**
Governance
Strategy
Risks & opportunities
Emissions figures
Emission targets
Other metrics

**Comment**
No additional comments

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**Publication**
In voluntary sustainability report

**Status**
Complete

**Attach the document**
continental-sustainability-report-2022.pdf

**Page/Section reference**
Entire document

**Content elements**
Governance
Strategy
Risks & opportunities
Emissions figures
Emission targets
Other metrics

**Comment**
No additional comments

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## C12.5

**(C12.5) Indicate the collaborative frameworks, initiatives and/or commitments related to environmental issues for which you are a signatory/member.**

| | Environmental collaborative framework, initiative and/or commitment | Describe your organization's role within each framework, initiative and/or commitment |
|---|---|---|
| Row 1 | RE100<br>UN Global Compact<br>World Business Council for Sustainable Development (WBCSD) | RE100: Continental, based in Germany, develops pioneering technologies and services for sustainable and connected mobility of people and goods. Founded in 1871, the technology company offers safe, efficient, intelligent and affordable solutions for vehicles, machines, traffic and transportation. We commit to using 100% renewable electricity across its entire global operations by 2040. Since 2020, 97% of its global electricity consumption is covered by renewable sources. Continental joined in 2020.<br><br>UN Global Compact - Signatory Member, yearly Communication on progress. Continental joined in 2012.<br><br>At WBCSD, almost 200 of the world's forward-thinking companies work together to accelerate the transition to a sustainable world. Continental joined in 2005. |

# C15. Biodiversity

## C15.1

**(C15.1) Is there board-level oversight and/or executive management-level responsibility for biodiversity-related issues within your organization?**

| | Board-level oversight and/or executive management-level responsibility for biodiversity-related issues | Description of oversight and objectives relating to biodiversity | Scope of board-level oversight |
|---|---|---|---|
| Row 1 | No, but we plan to have both within the next two years | <Not Applicable> | <Not Applicable> |

## C15.2

### (C15.2) Has your organization made a public commitment and/or endorsed any initiatives related to biodiversity?

| | Indicate whether your organization made a public commitment or endorsed any initiatives related to biodiversity | Biodiversity-related public commitments | Initiatives endorsed |
|---|---|---|---|
| Row 1 | No, but we plan to do so within the next 2 years | <Not Applicable> | <Not Applicable> |

## C15.3

### (C15.3) Does your organization assess the impacts and dependencies of its value chain on biodiversity?

**Impacts on biodiversity**

**Indicate whether your organization undertakes this type of assessment**
No, but we plan to within the next two years

**Value chain stage(s) covered**
<Not Applicable>

**Portfolio activity**
<Not Applicable>

**Tools and methods to assess impacts and/or dependencies on biodiversity**
<Not Applicable>

**Please explain how the tools and methods are implemented and provide an indication of the associated outcome(s)**
<Not Applicable>

**Dependencies on biodiversity**

**Indicate whether your organization undertakes this type of assessment**
No, but we plan to within the next two years

**Value chain stage(s) covered**
<Not Applicable>

**Portfolio activity**
<Not Applicable>

**Tools and methods to assess impacts and/or dependencies on biodiversity**
<Not Applicable>

**Please explain how the tools and methods are implemented and provide an indication of the associated outcome(s)**
<Not Applicable>

## C15.4

### (C15.4) Does your organization have activities located in or near to biodiversity- sensitive areas in the reporting year?

No

## C15.5

### (C15.5) What actions has your organization taken in the reporting year to progress your biodiversity-related commitments?

| | Have you taken any actions in the reporting period to progress your biodiversity-related commitments? | Type of action taken to progress biodiversity- related commitments |
|---|---|---|
| Row 1 | No, we are not taking any actions to progress our biodiversity-related commitments, but we plan to within the next two years | <Not Applicable> |

## C15.6

### (C15.6) Does your organization use biodiversity indicators to monitor performance across its activities?

| | Does your organization use indicators to monitor biodiversity performance? | Indicators used to monitor biodiversity performance |
|---|---|---|
| Row 1 | No, we do not use indicators, but plan to within the next two years | State and benefit indicators |

## C15.7

**(C15.7) Have you published information about your organization's response to biodiversity-related issues for this reporting year in places other than in your CDP response? If so, please attach the publication(s).**

| Report type | Content elements | Attach the document and indicate where in the document the relevant biodiversity information is located |
|---|---|---|
| No publications | <Not Applicable> | <Not Applicable> |

## C16. 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.**

No additional information

## C16.1

**(C16.1) Provide details for the person that has signed off (approved) your CDP climate change response.**

| | Job title | Corresponding job category |
|---|---|---|
| Row 1 | Chief Executive Officer (CEO) | Chief Executive Officer (CEO) |