

# Welcome to your CDP Climate Change Questionnaire 2022

## C0. Introduction

### C0.1

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

Headquartered in Avon Lake, Ohio, USA, with world-wide operations encompassing more than 120 facilities and employing approximately 8,700 associates, Avient (formerly PolyOne) Corporation is a premier provider of specialized sustainable material. The company is dedicated to serving customers in diverse industries around the globe, by creating value through collaboration, innovation and an unwavering commitment to excellence. Guided by its Core Values, Sustainability Promise and No Surprises Pledge, Avient is an ACC Responsible Care® and Great Place to Work® certified company and a founding member of the Alliance to End Plastic Waste. The company is committed to its customers, employees, communities and shareholders through ethical, sustainable and fiscally responsible principles.

As one of the world's leading specialty polymer materials, services and solution companies, Avient contributes to value creation with innovative and sustainable solutions for customers from many industries. Through collaboration, innovation and excellence, our product portfolio is designed to ensure our customer's success. Additionally, our research and development is focused on finding innovative solutions to many of the key challenges facing society today. These include energy efficiency, renewable raw materials, light weighting and conserving natural resources.

We aim to create a world-class sustainable organization through continual improvement in the four cornerstones of our commitment to Sustainability:

- People – by keeping safety first, then hiring and developing our global team to then deliver to our customers with ethics and integrity
- Products – by innovating material solutions and services that help our customers meet their product and sustainability goals
- Planet – by conducting operations that minimize impact to the environment and natural resources, while committing to helping areas and communities that are distressed or undeserved.
- Performance – by delivering growth and value creation for all our stakeholders.

As a leading company in the field of specialty polymer materials, services and solutions, Avient does not limit itself to simply complying with the legal requirements, but also takes part in a variety of voluntary sustainability programs, including commitments to the Responsible Care® principles, Alliance to End Plastic Waste, Operation Clean Sweep® as well as self-initiated commitments such as its Code of Conduct and Code of Supplier Conduct.



In all of its activities, Avient puts high emphasis on environmental protection and safety. The company's internal standards and management systems on environment, health and safety are certified to the Responsible Care Management System. In addition, Avient has externally certified EHS&S management systems, including ISO 9001 worldwide. Additionally, 52% of our facilities are certified to ISO 14001, 56% to Responsible Care 14001 and ISO 45001, and 10% of our high energy sites are certified to ISO 50001. Each production facility adheres vigorously to the company's global standards that ensure safe and environmentally friendly operations. In Avient's product portfolio, clear sustainability criteria were established and are marketed as Sustainable Solutions based upon the FTC's Guidelines for the Use of Environmental Marketing Claims. These guides, developed by the Federal Trade Commission, consist of general principles and specific guidance on the use of particular environmental claims. Products that are renewable, re-usable, recyclable, have an eco-conscious composition, or meet resource efficiency guidelines fall within this category. On this basis, company products and solutions are reviewed and classified in terms of their sustainability performance. Upon this, measures can be built for strategic decision-making in investments on product development as well as communication.

Avient has defined our Sustainability Portfolio in the eight ways we help our customers meet their innovation and sustainability goals through material science. In 2020, we updated our applications and revenue to better represent how we enable our customers' sustainability goals, as well reflect the sustainable technologies of recently acquired Clariant Masterbatch business. This portfolio has grown over 2.5 times since 2016, and the megatrends of the future indicate continued growth and demand. In fact, in 2021 approximately 64% of the revenue generated from sustainable solutions came from products designed for resource conservation. As the world continues to shift from operating in a linear economy to a circular economy, Avient is proud to be a part of the solution. Through our design expertise and material science, we help our customers reduce material usage, enable recycle solutions, improve physical performance and reuse potential of recycled materials. Avient also recently announced a 2030 sustainability goal to reach 100% of our materials for the packaging market to be recyclable or reusable.

## C0.2

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

	Start date	End date	Indicate if you are providing emissions data for past reporting years
Reporting year	January 1, 2021	December 31, 2021	No

## C0.3

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

- Argentina
- Belgium
- Brazil
- Canada
- Chile

China  
Colombia  
Finland  
France  
Germany  
Guatemala  
Hungary  
India  
Indonesia  
Ireland  
Italy  
Luxembourg  
Malaysia  
Mexico  
Netherlands  
New Zealand  
Pakistan  
Peru  
Poland  
Saudi Arabia  
Singapore  
South Africa  
Spain  
Sweden  
Taiwan, China  
Thailand  
Turkey  
United Kingdom of Great Britain and Northern Ireland  
United States of America  
Viet Nam

## C0.4

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

USD

## C0.5

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

Financial control

## C-CH0.7

**(C-CH0.7) Which part of the chemicals value chain does your organization operate in?**

**Row 1**

**Bulk organic chemicals**

**Bulk inorganic chemicals**

**Other chemicals**

Other, please specify  
Polymer Compounding

**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	05368V1061

**C1. Governance**

**C1.1**

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

Yes

**C1.1a**

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

Position of individual(s)	Please explain
Chief Executive Officer (CEO)	Climate-related issues are the responsibility of Avient’s Chief Executive Officer (CEO), who has been a member of Avient’s Board of Directors (BOD) since 2014. Our CEO is the leader of Avient’s Operating Council, which is a group comprised of executive leaders across various functional areas that periodically report to the BOD. The Operating Council has direct oversight of our Sustainability Council which is a group-wide steering committee for climate-related issues.  Additionally, the BOD established the Environmental, Health and Safety (EHS) Committee, who exercises oversight with respect to the Company’s environmental, health, safety, physical security and

	<p>product stewardship policies and practices and reviews with management risks and exposures regarding environmental, health and safety concerns, including providing oversight of the systems that are in place to monitor and mitigate the Company’s carbon footprint and physical risks associated with climate change. The Governance and Corporate Responsibility Committee oversees risks related to the Company’s programs, policies, and practices related to certain sustainability and governance matters, including a review of the Company’s Sustainability Report.</p> <p>At Avient, we believe that our CEO, who has direct responsibility and oversight across all functional areas at Avient, is the most appropriate individual to manage climate-related issues. The CEO, in conjunction with the Board of Directors of whom he is the chair, sets our People, Product, Planet strategy. Additionally, the CEO, alongside executive leadership, has attached sustainability metrics to the annual incentive plan and led the growth of Avient’s sustainability solutions portfolio.</p> <p>An example of a climate-related decision made by the CEO is the approval in 2020 to pursue a renewable energy vPPA in the United States and a 150 MWh/year renewable energy vPPA in Europe. The CEO also approved the setting of Avient’s 2030 Sustainability Goals and in 2021 approved the execution of the climate change scenario analysis currently underway.</p>
<p>Board-level committee</p>	<p>Avient’s Board recently collectively reviewed its role, and the roles of the Avient Board Committees, in sustainability and ESG.</p> <p>In connection with that review, the Board determined that it would be responsible for understanding and overseeing sustainability trends (including climate change related issues) and their impacts on the business and strategy, with input from, and upon recommendations of, the Governance and Corporate Responsibility Committee (the G&amp;CR Committee). Other Board committees also provide risk oversight as it relates to sustainability matters that fall within the purview of that committee’s activities.</p> <p>The Board’s responsibility includes incorporating sustainability objectives into the strategic plan when appropriate. The Board would also periodically consider the Company’s 4 P’s of Sustainability:</p> <ul style="list-style-type: none"> <li>• People: Review matters related to corporate culture – workforce of the future, succession planning, talent reviews, safety, diversity and inclusion, community service, and ethics and transparency.</li> <li>• Products: Review Sustainable Solutions portfolio of product offerings and innovation relating to sustainability and sustainability trends.</li> </ul>

	<ul style="list-style-type: none"> <li>• Planet: Review overall environmental stewardship, alliances and partnerships, progress as an ACC Responsible Care® Company.</li> <li>• Performance: Review financial performance and growth.</li> </ul> <p>Other responsibilities of the full Board include:</p> <ul style="list-style-type: none"> <li>• Reviewing reports and disclosures on corporate responsibility and/or sustainability published by the Company (following G&amp;CR Committee review).</li> <li>• Conducting an annual Enterprise Risk Management review.</li> <li>• Reviewing the Company’s Great Places To Work (GPTW) employee engagement survey results / action items.</li> </ul>
<p>Other, please specify</p> <p>Governance and Corporate Responsibility Committee (Chair of the Committee)</p>	<p>The Company’s G&amp;CR Committee is also tasked with providing oversight and guidance with regard to how the Board and management evaluate and integrate corporate responsibility and sustainability (including climate change related issues) into the Company’s business strategy and decision-making.</p> <p>Other responsibilities of the G&amp;CR Committee include:</p> <ul style="list-style-type: none"> <li>• Understanding the various Environmental, Social, &amp; Governance (ESG) reporting standards and applicability to Avient, taking into account the proxy advisory firm ratings and perspectives.</li> <li>• Reviewing management plans to improve ESG scores where needed.</li> <li>• Reviewing reports on corporate responsibility and/or sustainability published by the Company.</li> <li>• Considering / reviewing director training in general and for sustainability topics.</li> </ul>
<p>Other, please specify</p> <p>Environmental, Health and Safety Committee of the Board of Directors (Chair of the Committee)</p>	<p>The Company’s Environmental, Health and Safety Committee (EH&amp;S Committee) is also tasked with exercising oversight with respect to the Company’s environmental, health, safety, physical security and product stewardship policies and practices and reviews with management risks and exposures regarding environmental, health and safety concerns, including potential risks related to climate change impacts on the physical environment. This includes the following:</p> <ul style="list-style-type: none"> <li>• Reviewing with management the Company’s safety performance.</li> <li>• Reviewing the Company’s Supplier Code of Conduct for ongoing relevance.</li> <li>• Reviewing the procedures associated with responsible and ethical sourcing.</li> <li>• Providing oversight of the systems that are in place to monitor and mitigate the Company’s physical risks associated with climate change</li> <li>• Providing oversight of the systems that are in place to monitor and mitigate the Company’s carbon footprint.</li> <li>• Monitoring EH&amp;S metrics related to sustainability topics, including: greenhouse gas emissions, air quality, energy management, water management, hazardous waste management.</li> </ul>

	<ul style="list-style-type: none"> <li>• The EH&amp;S Committee is also responsible for reviewing significant risks and exposures regarding environmental, health and safety concerns with management. This includes:             <ul style="list-style-type: none"> <li>• Monitoring potential risks and opportunities related to climate change impacts on the physical environment (weather events, increasing temperatures, rising sea levels, etc.).</li> <li>• Monitoring risks resulting from regulation related to legal, regulatory, policy, or liability issues associated with climate change.</li> <li>• Monitoring potential transitional risks associated with the migration toward a low-carbon economy</li> </ul> </li> </ul>
<p>Other, please specify Audit Committee (Chair of the Committee)</p>	<p>The Company's Audit Committee is also tasked with assisting the Board in fulfilling its oversight responsibilities to shareholders relating to the Company's compliance with legal and regulatory requirements. This includes:</p> <ul style="list-style-type: none"> <li>• Ensuring quality and timeframe of sustainability and other corporate disclosures contained in financial and other reports (e.g., environmental)</li> <li>• Reviewing the Company's cyber and data privacy programs and providing risk oversight related to cyber-security and data protection</li> <li>• Reviewing and discussing with management and the internal and independent auditors' compliance with the Company's Code of Business Conduct and Ethics; reviewing and discussing with management, the general counsel and the independent auditor the Company's compliance with laws and regulations; advising the Board with respect to the Company's policies and procedures regarding compliance with the Company's Code of Business Conduct and Ethics.</li> </ul>
<p>Other, please specify Compensation Committee (Chair of the Committee)</p>	<p>The Company's Compensation Committee is tasked with providing policy guidance and oversight on compensation policies and practices. This includes:</p> <ul style="list-style-type: none"> <li>• Ensuring compensation is aligned with pay for performance and competitive in the marketplace.</li> <li>• Reviewing peer company data and monitoring trends and regulatory updates relating to executive compensation.</li> <li>• Providing oversight of the development of compensation programs that include metrics related to ESG objectives.</li> <li>• Reviewing proxy statement for ESG disclosures related to compensation philosophy.</li> </ul>

## C1.1b

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

Frequency with which climate-related issues are	Governance mechanisms into	Please explain
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a scheduled agenda item	which climate-related issues are integrated	
Scheduled – all meetings	Reviewing and guiding strategy Reviewing and guiding major plans of action Reviewing and guiding risk management policies Reviewing and guiding annual budgets Reviewing and guiding business plans Setting performance objectives Monitoring implementation and performance of objectives Overseeing major capital expenditures, acquisitions and divestitures Monitoring and overseeing progress against goals and targets for addressing climate-related issues	As mentioned above, the Board and its Committees recently determined their specific roles and responsibilities as it relates to sustainability and ESG (including climate-related issues). These responsibilities will be addressed at regular meetings of the Board and its committees and will be monitored periodically through performance evaluations of each Board member, each Board Committee, and the Board as a whole.

### 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
Row 1	Yes	Each of our director nominees possess a balance of strategic skills, professional experiences and diverse perspectives. Avient assesses the skills and expertise of all of our board members against several characteristics, one of which is sustainability. All of our director nominees have skills, experience, and/or professional experience in sustainability.

## C1.2

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

Name of the position(s) and/or committee(s)	Responsibility	Frequency of reporting to the board on climate-related issues
Chief Executive Officer (CEO)	Both assessing and managing climate-related risks and opportunities	Quarterly
Other, please specify Vice President, Sustainability	Other, please specify Our Vice President, Sustainability is responsible for interfacing across a complex landscape of industry stakeholders to lead initiatives that help us achieve our sustainability goals, including those related to climate-related issues.	More frequently than quarterly
Other, please specify Sustainability Council	Other, please specify The ultimate goal of our Sustainability Council is to drive sustainable performance aligned with Avient's mission and 4P cornerstones (People, Products, Planet and Performance), with a focus on Product and Planet.	More frequently than quarterly
Other, please specify Senior VP of Operations	Other, please specify Monitors sustainability issues as part of operations oversight responsibilities.	More frequently than quarterly

## C1.2a

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

i. Where in the organizational structure this position (s) and / or committee (s) lie:

Corporate sustainability and climate-related issues are the responsibility of Avient's highest-level officer, our Chairman, President and Chief Executive Officer (CEO), who is also a member of the Board of Directors. Our Board and each Board committee have considered their roles in sustainability and ESG, and have approved responsibilities that will guide the actions of each Board/Committee.

In addition, our CEO is a member of Avient's Operating Council, which is a group comprised of executive leaders across various business units and functional areas within Avient that periodically report to the Board of Directors. Additionally, our Operating Council includes representation from all business and functional areas within Avient, which helps ensure our sustainability strategy encompasses all areas of our business. The Operating Council is responsible for oversight of the Sustainability Council, whose charter provides that its ultimate goal is to drive sustainable performance aligned with Avient's mission and its 4P Strategy, with a focus on Product and Planet.

ii. A rationale of why responsibilities for climate-related issues have been assigned to this / these position (s) and / or committee (s)

At Avient, we understand that climate-related issues have the potential to impact our business in a variety of ways. We believe that our CEO, who has direct responsibility and oversight across all functional areas at Avient, is the most appropriate individual to manage and hold people accountable for climate-related issues. Climate change impacts are continually monitored and are an ongoing responsibility of our CEO to manage on behalf of the company. Our CEO is ultimately accountable to our Board, and our Board also has determined that it has responsibility for overseeing the actions of the CEO (and management) in these areas.

iii. Specific responsibilities of every position and / or committee with regard to the assessment and management of climate-related issues

In 2018, Avient outlined how we define sustainability and the progress we are making in each of our four focus areas: People, Products, Planet, and Performance. Our CEO, as well as our Operating Council, Sustainability Council, and Board and Board Committees (specifically, our EH&S Committee and our Governance and Corporate Responsibility Committee) are responsible for assessing and managing climate-related issues that fall within these pillars. Our EH&S Committee, Governance and Corporate Responsibility Committee, Sustainability Council, and associates are our first line of defense in terms of assessing operational and business risks related to climate change and ensuring we are continually making progress and improvements to our goals.

In 2019, we made many exciting advancements within our four sustainability corner-stones, but also acknowledged that there is more work to be done. To help us advance more quickly within these areas, we announced 2030 Sustainability Goals to ensure we are appropriately engaging with the complex landscape of industry stakeholders and making progress towards our sustainability goals. The positive impact of our progress and ultimate achievement of these goals will benefit the planet and the people of the world, while at the same time adding value to Avient's customers, communities, associates and shareholders. Furthermore, we established that our VP of Sustainability has direct management of our Sustainability Council and is also tasked with ensuring the appropriate elevation of climate-related issues to the CEO, Operating Council, and Board of Directors.

In 2020, Avient formed a Planet Sub-Committee of the Sustainability Council. This committee is comprised of operational and sourcing leaders from our various regions and is tasked with enabling sustainable performance through improvements in the areas of energy efficiency, energy procurement, the expanded use of renewables, and waste minimization. This Committee ensures continual progress towards our 2030 Sustainability Goals. We have also entered into negotiations to procure 37.5 MW of solar energy in Europe. This agreement is equal to approximately 90% of our annual European electricity needs. We continue to explore similar opportunities to decarbonize across our global operations. Additionally in 2021, Avient committed to conducting a climate-related scenario analysis (underway in 2022) and began a deep dive into our Scope 3 emissions to prepare to set a Science-Based Target.

## C1.3

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

	Provide incentives for the management of climate-related issues	Comment
Row 1	Yes	

### C1.3a

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

Entitled to incentive	Type of incentive	Activity incentivized	Comment
Board/Executive board	Monetary reward	Emissions reduction target Energy reduction target Behavior change related indicator Company performance against a climate-related sustainability index	
All employees	Monetary reward	Emissions reduction project Energy reduction project Efficiency project	<p>We celebrate, reward and share our associates' great work through our global recognition programs. Amongst other areas, each of these programs has awarded individuals and groups for their efforts in advancing Avient's position in natural resources conservation, waste minimization, the advancement of low-carbon/sustainable polymer solutions for our customers, etc.</p> <p>Listed below are some examples of our global recognition programs:</p> <p><b>You Made a Difference Awards</b> Recognizes associates who go above and beyond their job responsibilities on a project or task. (Monetary)</p> <p><b>Spotlight Awards</b> Recognizes associates for their typical duties on a project or task that has a significant impact on the organization. (Monetary)</p> <p><b>Chairman's Awards Associate</b></p>

			<p>Our Chairman’s Achievement Award recognizes excellence in the execution of Avient’s four-pillar strategy. It’s the highest honor a non-sales associate can receive at our company. (Monetary)</p> <p>Sales Our Chairman’s Club Award recognizes our top 25 sellers and one sales manager for their outstanding performance and living our values of Collaboration, Innovation and Excellence. (Monetary)</p> <p>Leadership Our Chairman’s Leadership Award recognizes our top performing General Manager for performance, culture and inspirational leadership. (Monetary)</p>
All employees	Monetary reward	Behavior change related indicator	
Management group	Monetary reward	Behavior change related indicator	<p>Leadership Our Chairman’s Leadership Award recognizes our top performing General Manager for performance, culture and inspirational leadership. (Monetary)</p>

## C2. Risks and opportunities

### C2.1

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

Yes

#### C2.1a

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

	From (years)	To (years)	Comment
Short-term	0	5	
Medium-term	5	15	
Long-term	15	30	

#### C2.1b

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

We consider a substantive financial or strategic impact when revenues figures are impacted by at least 0.5%, which according to Avient's 2021 revenues (\$4.8b), equates to \$24m impact.

## C2.2

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

#### Value chain stage(s) covered

Direct operations  
Upstream  
Downstream

#### Risk management process

Integrated into multi-disciplinary company-wide risk management process

#### Frequency of assessment

Annually

#### Time horizon(s) covered

Short-term  
Medium-term  
Long-term

#### Description of process

Avient's Enterprise Risk Management process helps identify and assess climate-related risks at a company-level. This process focuses on financial, operational, and reputational risks. As part of this process, we utilize an interview process with our executive management team and ERM risk owners to assess both the likelihood and potential impact for each individual risk. Assessment is made both before and after consideration of our mitigating activities. We also communicate this information to our leadership and other relevant internal stakeholders through heat-maps that visually represent our area of low, medium, and high areas of risk.

Additionally, we have created a governance framework within Avient to further help us identify and assess climate-related risks at a company level. For example, our CEO, as well as our Executive Operating Council, Sustainability Council, and EHS Committee are responsible for assessing and managing climate-related issues that fall within our four strategic pillars. Our EHS Committee, Sustainability Council, and associates represent our first line of defense in terms of assessing operational and business risks related to climate change and ensuring we are continually making progress and improvements to our goals.

Avient also continued work on a scenario analysis in 2021, in conjunction with an exploration of science-based target setting. Our enterprise risk management findings were reanalyzed as part of the undertaking. Avient's Sustainability Council led the effort, in conjunction with the Governance and Risk subcommittee of the Sustainability Council

and C-level representation from the CFO, Chief Legal Officer, and VP of Internal Audit Risk Management).

## 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	<ul style="list-style-type: none"> <li>• Example of the risk type In our operations, we must comply with product-related governmental law and regulations affecting the plastics industry. For example, current regulations that impact our operations include Restrictions on the use of Certain Hazardous Substances (RoHS, Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH), and others. We believe that compliance with current governmental laws and regulations regarding climate change and the environment will not have a material adverse effect on our financial position, results of operations, or cash flows.</li> <li>• Explanation of how it is included in climate-related risk assessments Current Regulations risks related to climate-change are included in Avient’s overall Enterprise Risk Management process. In addition, the evaluation of potential additional costs and liabilities linked to current regulations is integrated in the ongoing management of plant operations and products produced at these plants.</li> </ul>
Emerging regulation	Relevant, always included	<ul style="list-style-type: none"> <li>• Example of the risk type An example of emerging regulation risks could be future carbon regulations in areas where we do business. Future carbon regulations could impact our overall operations and financial viability as an organization.</li> <li>• Explanation of how it is included in climate-related risk assessments Emerging regulation risks related to climate-change are included as part of Avient’s overall Enterprise Risk Management process. As emerging regulation risks arise, we use this process to review these risks, including in terms of frequency, likelihood, and severity calculations; and various scenario assessments are performed. Based on this assessment, our risk teams will develop an appropriate mitigation strategy to minimize overall impacts to our business.</li> </ul>
Technology	Relevant, always included	Demand for and supply of our products and services may be adversely affected by several technological factors, some of which we have little ability to predict or control. Several factors include the inability to obtain raw materials or supply products to customers due to:

		<ul style="list-style-type: none"> <li>- product obsolescence and technological changes related to climate-change issues that unfavorably alter the value/cost proposition of our products and services</li> <li>- competition from existing and unforeseen polymer and non-polymer-based products that reduce further impact on climate.</li> </ul> <ul style="list-style-type: none"> <li>• Explanation of how it is included in climate-related risk assessments</li> </ul> <p>Technology risks related to climate-change are included as part of Avient’s overall Enterprise Risk Management process. As technology risks arise, we use this process to review these risks, including in terms of frequency, likelihood, and severity calculations, alongside various scenario assessments are performed. Based on this assessment, our risk teams will develop an appropriate mitigation strategy to minimize overall impacts to our business.</p>
Legal	Not relevant, explanation provided	<ul style="list-style-type: none"> <li>• Explanation of why the risk type if not relevant to the company</li> </ul> <p>We’ve leveraged our Enterprise Risk Management process to evaluate all risks to our business, including legal risks. Based on the results of our assessment, legal risks from a climate-change perspective, are not significant enough to pose a substantial risk to our company in comparison to other climate-related and business risks.</p>
Market	Relevant, always included	<ul style="list-style-type: none"> <li>• Example of the risk type</li> </ul> <p>As consumer perception shifts towards more sustainable products, our overall market share can be impacted. These risks could result in changes to our products that we offer to our customers but could also be impacted by our customers’ perceptions of our operations. For example, we respond to CDP’s Supply Chain response and externally communicate environmental-related information to our stakeholders in order to broaden our customer’s understanding of our sustainability performance.</p> <ul style="list-style-type: none"> <li>• Explanation of how it is included in climate-related risk assessments</li> </ul> <p>Market risks related to climate-change are included as part of Avient’s overall Enterprise Risk Management process. As market risks arise, we use this process to review these risks, including in terms of frequency, likelihood, and severity calculations, alongside various scenario assessments are performed. Based on this assessment, our risk teams will develop an appropriate mitigation strategy to minimize overall impacts to our business.</p>
Reputation	Relevant, always included	<ul style="list-style-type: none"> <li>• Example of the risk type</li> </ul> <p>As consumer perception shifts towards more sustainable products, we could face reputational risks related to climate change. These risks could result in changes to our products that we offer to our customers but could also be impacted by our customer’s perception</p>

		<p>of our operations. For example, we respond to CDP’s Supply Chain response and externally communicate environmental-related information to our stakeholders in order to broaden our customer’s understanding of our sustainability performance and specifically how we are performing with regard to carbon emissions management.</p> <ul style="list-style-type: none"> <li>• Explanation of how it is included in climate-related risk assessments Reputational risks related to climate-change are included as part of Avient’s overall Enterprise Risk Management process. As reputational risks arise, we use this process to review these risks, both frequency, likelihood, and severity calculations, alongside various scenario assessments are performed. Based on this assessment, our risk teams will develop an appropriate mitigation strategy to minimize overall impacts to our business.</li> </ul>
Acute physical	Relevant, always included	<ul style="list-style-type: none"> <li>• Example of the risk type Demand for and supply of our products and services may be adversely affected by acute physical factors, some of which we have little ability to predict or control. Several factors include the inability to obtain raw materials or supply products to customers due to uncontrollable factors, like severe weather (cyclones, extreme flooding, etc.).</li> </ul> <p>Our operations as well could be adversely affected by various risks inherent in conducting operations worldwide. Our operations are subject to several risks, including natural disasters.</p> <ul style="list-style-type: none"> <li>• Explanation of how it is included in climate-related risk assessments: Acute physical risks related to climate-change are included as part of Avient’s overall Enterprise Risk Management process. As acute physical risks arise, we use this process to review these risks, including in terms of frequency, likelihood, and severity calculations, alongside various scenario assessments are performed. Based on this assessment, our risk teams will develop an appropriate mitigation strategy to minimize overall impacts to our business.</li> </ul>
Chronic physical	Relevant, always included	<ul style="list-style-type: none"> <li>• Example of the risk type Demand for and supply of our products and services may be adversely affected by chronic physical factors, some of which we have little ability to predict or control. Several factors include the inability to obtain raw materials or supply products to customers due to longer-term shifts in climate patterns such as sea level rise or increased temperatures. We acknowledge that these longer-term shifts in climate patterns may result in increased operational costs as well.</li> </ul>

		<ul style="list-style-type: none"> <li>• Explanation of how it is included in climate-related risk assessments Chronic physical risks related to climate-change are included as part of Avient’s overall Enterprise Risk Management process. As chronic physical risks arise, we use this process to review these risks, including in terms of frequency, likelihood, and severity calculations, alongside various scenario assessments are performed. Based on this assessment, our risk teams will develop an appropriate mitigation strategy to minimize overall impacts to our business.</li> </ul>
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## C2.3

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

Yes

## C2.3a

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

### Identifier

Risk 1

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

Direct operations

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

Emerging regulation

Carbon pricing mechanisms

### Primary potential financial impact

Increased indirect (operating) costs

### Company-specific description

Carbon emissions have become the subject of an increasing amount of state and local, regional, national, and international attention. Growing concerns about climate change may result in the imposition of additional regulations or restrictions to which Avient may become subject. These future regulatory developments related to climate change are likely and could increase our operating and compliance costs, thereby impacting our business.

As of 2022, 68 carbon pricing initiatives have been implemented, or are scheduled for implementation at the regional, national, and subnational level according to the World Bank. While Avient is not currently directly affected by cap-and-trade schemes, approximately 93% of our square footage is located in countries that have implemented or are adopting a range of methods to price carbon, such as carbon taxes or cap-and-trade. In the near- and medium-term future, the probability of this risk impacting Avient is low. In the long term, as the world transitions to a low-carbon economy, it is possible

that Avient may be subject to pricing of GHG emissions if more governments adopt carbon-pricing mechanisms, thresholds for existing mechanisms are lowered, or industry-specific legislation is introduced.

**Time horizon**

Long-term

**Likelihood**

Likely

**Magnitude of impact**

Low

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

Yes, an estimated range

**Potential financial impact figure (currency)**

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

2,207,832

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

15,232,277

**Explanation of financial impact figure**

The financial impact is a range of carbon pricing in two scenarios. The first is a more conservative scenario that includes a carbon price of \$20/metric ton in countries or regions where there is existing legislation (such as the EU, Canada, China, and the US). The second is an estimation of a rapid transition to a low-carbon economy (a 1.5-degree scenario) of a global carbon price of \$100/metric ton. Minimum potential financial impact figure calculation =  $\$20 * 110,392 \text{ MT CO}_2\text{e}$  (2022 Scope 1 & 2 emissions from distribution centers, retail and offices in countries where carbon pricing has been implemented) = \$2,207,832. Maximum potential financial impact figure calculation =  $\$100 * 152,323 \text{ MT CO}_2\text{e}$  (total Scope 1 & 2 FY2022 emissions) = \$15,232,277.

**Cost of response to risk**

3,400,000

**Description of response and explanation of cost calculation**

We are proud to have reached our original GHG emissions reduction target of reducing our emissions by 35% in 2021 by reducing our Scope 1 & 2 GHG emissions by 40%. Our next level commitment for 2030 has been established, whereby we will achieve a reduction of 60% and operational carbon neutrality by 2050 (against a 2019 baseline).

Additionally, Avient became a member of the RE100 initiative in 2021, committing to achieving 60% renewable energy use by 2030. To help reduce consumption from non-renewable energy sources, and to facilitate the expansion of renewable energy availability, Avient continues to leverage Virtual Power Purchase Agreements (VPPA). For example, in 2021, we entered into a VPPA in Europe that will produce 37.5 MW of

solar energy with benefits beginning in 2023. While expanding the procurement of renewable energy globally is an important element of our low carbon strategy, Avient also continues to explore and implement on-site renewable energy opportunities. To ensure that energy needs are minimized as much as possible, we also continue to implement energy saving projects. These projects have a cumulative effect on reducing our operational energy needs and thus our impacts on the environment. To ensure progress towards our goals, Avient has developed an energy efficiency program that is driven by Corporate mandates to identify/execute/report energy savings activities at the facility level. Progress against this expectation is audited quarterly. Overarching goal of this objective is to identify savings potential through the calculation and analysis of energy consumption which drives optimized use of equipment and systems. To arbitrate between different options and further support investments in clean and lower-carbon solutions, even when they do not present the most attractive returns, we give higher weighting factors to EHS projects that ultimately improve overall scores and prioritize them in our investment decision matrix. In 2021, Avient directed \$3.4 MM towards environmental, health and safety capital improvements. In 2022, Avient is instituting an internal cost of carbon to better prioritize low-carbon investments.

We expect to invest in energy- and emissions-reducing activities at a similar or greater pace moving forward. As such, we estimate the yearly cost to respond as our 2021 EH&S capital improvements:  $\$3,400,000 * 1 \text{ year} = \$3,400,000$ .

### 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.**

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### Identifier

Opp1

### Where in the value chain does the opportunity occur?

Downstream

### Opportunity type

Products and services

### Primary climate-related opportunity driver

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

### **Primary potential financial impact**

Increased revenues through access to new and emerging markets

### **Company-specific description**

Global challenges like climate change, demographic shifts and dwindling resources have prompted Avient to establish programs such as our Sustainable Solutions. Within this offering, the overall sustainability of the company, with a focus on product sustainability, are addressed through defined standards for areas such as recyclability, reusability, eco-conscious composition, Bio-renewable polymers, lower energy, more sustainable infrastructure (incl supporting renewable energy infrastructure), or resource efficiency. We take 3 strategies to enable our customers to lower their carbon footprint:

Reduce the carbon footprint of the polymer

- Enable expanded use of recycled content
- Expand product portfolio to include more bio/renewable-based resources
- Enable the use of more carbon-efficient alternatives

Reduce the carbon impact during end-use

- Lightweighting
- Leverage design expertise to drive product efficiencies

Improve the recycling process

- Upgrade downcycled material to a higher quality level
- Stabilize the polymers in the recycling process

Where products meet Avient's sustainability standard, they carry the Sustainable Solutions label which also helps our customers achieve their sustainability goals through product offerings that have a lower overall emissions footprint. To that end, the following steps are integrated into each of our four Strategic Pillars: (1) Assess climate vulnerability of operations and facilities, (2) embed climate risks into enterprise risk management programs, and (3) undertake scenario analysis to enhance decision making around risks and opportunities. As a premiere provider of polymer materials, services and solutions, Avient aims to embrace the challenges facing society and play an integral role in addressing them. Our overarching goal is to develop a robust strategy towards climate change that involves the building of a technological portfolio of mitigation and adaptation measures that includes sufficient opposite technological positions to the underlying baseline emission scenarios given the uncertainties of the entire physical and socioeconomic system in place.

### **Time horizon**

Short-term

### **Likelihood**

Likely

### **Magnitude of impact**

Medium-high

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

Yes, an estimated range

### Potential financial impact figure (currency)

#### Potential financial impact figure – minimum (currency)

1,831,088,238

#### Potential financial impact figure – maximum (currency)

2,540,140,142

### Explanation of financial impact figure

We actively design our solutions to our customers' sustainability needs, including lightweighting, improved recycle solutions and eco-conscious benefits. This portfolio has grown from \$340M in 2016 to \$916M in 2021, and the megatrends of the future indicate continued growth and demand. In fact, in 2021 approximately 64% of the revenue generated from sustainable solutions came from products designed for resource conservation. Our goal is to deliver cumulative annual revenue growth from our Sustainable Solutions portfolio of 8-12% by 2030. We expect that revenue from this portfolio will continue to grow as our specialization efforts mature.

Potential financial impact with 8 or 12% YoY growth = 2021 portfolio \$ amount \* (8% or 12% + 1)<sup>number of years of investment</sup>

Minimum: \$960 million \* (8%+1)<sup>9</sup> = \$1,831,088,238

Maximum: \$960 million \* (12%+1)<sup>9</sup> = \$2,540,140,142

### Cost to realize opportunity

83,000,000

### Strategy to realize opportunity and explanation of cost calculation

Our Research and Development teams are continually tasked with the development of new products and services, while continuing to adhere to standards defined by programs such as our Sustainability Solutions, where possible. Avient understands the financial value that increased consumer demands for these lower emissions products can bring and has sought to appropriately invest capital and resources to ensure we maintain this competitive advantage.

Our technology goals are aligned with our sustainability goals to drive sustainable innovation. As the world continues to shift from a linear economy to a circular economy, we will continue to help our customers increase post-consumer recycled content, formulate with bio-based materials, use less material during production, reduce energy required for production, and build alternative energy applications. Innovation is made possible through our prior investments to build deep material science expertise on our team, and since 2014, we have increased our technical resources by 32%.

100% of Avient's R&D budget is used to address customer demand, which increasingly includes sustainable solutions. As such, the annual cost of response is Avient's 2021 R&D spend \$83 million \* 1 year = \$83,000,000.

### Comment

## C3. Business Strategy

### C3.1

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

Row 1

#### Transition plan

No, but our strategy has been influenced by climate-related risks and opportunities, and we are developing a transition plan within two years

#### Explain why your organization does not have a transition plan that aligns with a 1.5°C world and any plans to develop one in the future

Beyond our stated 2030 GHG and renewable energy goals, we are dedicated to our operations being carbon neutral by 2050. We know that this will take a lot of work and since 2050 is just around the corner, rapid action and accountability is needed. To drive progress toward carbon neutrality, Avient’s low carbon transition plan targets intermediated (2030) goals around Scope 1 (direct) and Scope 2 (indirect) sources of greenhouse gas emissions. These targets are in line with prevailing climate science limits that keep global warming well below 2 degrees Celsius as detailed by the Paris Agreement and the Science-Based Target Initiative (SBTi). In 2022, Avient is committed to comprehensively understanding our Scope 3 footprint and developing a strategy that begins to address it and further align with science based targets. Furthermore, in 2022, Avient is instituting an internal cost of carbon to better prioritize low-carbon investments.

### 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	Important but not an immediate priority	Avient is currently in the process of developing a low-carbon transition plan in line with TCFD. The scenario analysis will be complete and reported on in next year’s CDP disclosure.

### 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	<p>Avient has identified opportunities and developed market strategies to help customers reduce their carbon footprint by offering recycled materials, bio-renewable solutions, enable renewable energy, or reduce energy required to manufacture their products or light weighting of transportation vehicles to name a few. As an example, in collaboration with a leading German car producer, Avient was requested to reduce a dashboard carrier’s weight while keeping part performance and mechanical properties. The project was a key driver in the automaker’s effort to reduce vehicle weight, improve fuel economy and fulfill emission reduction targets. The car producer reduced the dashboard weight by 20% and improved the part bending strength, thus enhancing the vehicle safety in case of a collision.</p>
Supply chain and/or value chain	Yes	<p>Climate-related risks and opportunities associated with upstream and downstream stakeholders have influenced our strategy in the following ways:</p> <p>Avient’s Supplier Code of Conduct sets clear expectations for upstream business partners in the areas of environmental and climate performance. Performance against these expectations is assessed via third party reviews of management systems in place. Feedback and action plans are developed where necessary.</p> <p>Avient actively partners with downstream stakeholders to ensure that our operations, and the polymer solutions we bring to them, facilitate their success in managing climate-related risks important to them.</p> <p>Case study: Avient is an active “CDP Supply Chain Partner” and continually interacts through our commercial organization to ensure customer success.</p> <p>Avient actively collaborates throughout the value chain to enable circular economy and lower carbon footprint solutions. We seek out innovation from our suppliers to provide solutions that enable that, and work with our customers to help them be able to use more recycle content or make their products more recyclable or reusable to help them meet their carbon footprint goals. Additionally, we collaborate with industry alliances and consortiums to</p>

		<p>identify solutions for advancing a circular economy that reduces the carbon footprint of plastics.</p> <p>Timeframe: Avient assesses supplier performance on climate-related indicators yearly and creates action plans over short and medium timeframes.</p>
<p>Investment in R&amp;D</p>	<p>Yes</p>	<p>Climate related risks and opportunities associated with upstream and downstream stakeholders have influenced our strategy in the following ways:                      Avient’s Supplier Code of Conduct sets clear expectations for upstream business partners in the areas of environmental and climate performance. Performance against these expectations is assessed via third party reviews of management systems in place. Feedback and action plans are developed where necessary.</p> <p>Avient is actively engaged with industry alliances and consortiums to identify solutions for advancing a circular economy that reduces the carbon footprint of plastics.</p> <p>Avient maintains an R&amp;D stage gate process for new developments and has an internal goal to reach 100% of these resource intensive projects to support sustainable and carbon footprint related projects.</p> <p>Avient actively partners with downstream stakeholders to ensure that our operations, and the polymer solutions we bring to them, facilitate their success in managing climate-related risks important to them.</p> <p>Case study: Avient is an active “CDP Supply Chain Partner” and continually interacts through our commercial organization to ensure customer success. Additionally, in November 2020, Avient opened our new CycleWorks facility in Pogliano, Italy. The new lab and plant will conduct cutting edge chemistry testing and evaluations to help customers tackle and overcome the challenge of plastics recycling and the goal of a circular economy. The demonstration plant mimics real world recycling in a research environment. Avient will use this data to develop new and unique masterbatch formulations with proven science behind how they perform during recycling processes, offering customers a portfolio that’s essentially field-tested for recycling.</p> <p>Timeframe: Avient assesses supplier performance on climate-related indicators yearly and creates action plans over short and medium timeframes.</p>

Operations	Yes	<p>Climate related risks influence our operations strategy. For instance, energy costs represent a substantial part of our manufacturing costs and emerging regulation changes that counter the adverse effects of climate change can have an important impact on these costs.</p> <p>For this reason, our Energy Management Committee evaluates risks and opportunities and defines accordingly the most effective strategy.</p> <p>This strategy then translates into concrete initiatives: Avient actively manages its energy use, made significant investments in energy efficiency technologies, renewable energy projects, signed a PPA in 2019, and another 37.5 MW vPPA in Europe in 2021. Also in 2021, Avient completed 207 energy saving activities that cumulatively reduce yearly emissions by 5,500 MT CO<sub>2</sub>e, hence reducing the company exposure to commodity fluctuations and regulatory changes.</p> <p>Timeframe: Avient assesses climate-related risks and opportunities related to operations yearly and creates action plans over short and medium timeframes.</p>
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### C3.4

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

	Financial planning elements that have been influenced	Description of influence
Row 1	Direct costs Capital expenditures Access to capital Assets	<ul style="list-style-type: none"> <li>• Direct Costs</li> </ul> <p>As Avient operates globally with manufacturing sites and distribution facilities in North America, South America, Europe and Asia. For this reason, we must deal with diverse and complex energy markets that present many risks and opportunities. To manage such aspects, the Energy Management Committee has partnered with a global specialist in energy management, that enables a holistic approach that maximizes benefits while mitigating risks.</p> <p>This partnership enables a more robust budgeting and financial planning cycle, a more strategic sourcing of options (pure commodity sourcing and GOs among others) while leveraging to advance risk management solutions to address the challenges of an ever volatile and changeable environment, such as any legislative changes (opportunities &amp; threats linked to carbon taxes for instance) that may threaten our portfolio.</p>

		<p>An example of a direct result of this integrated process, in 2021, to help reduce consumption from non-renewable energy sources, Avient has leveraged a 37.5 MW Virtual Power Purchase Agreement (VPPA) in Europe. This agreement is equal to approximately 90% of our annual European electricity needs. We continue to explore similar opportunities to decarbonize across our global operations.</p> <p>Time horizon covered by the financial planning process for Direct Costs: short term to 5 years out.</p> <p>• Access to Capital Climate-related risks and opportunities have influenced Avient’s access to Capital.</p> <p>Together with consumer preferences shifting towards more sustainable products, investors are seeking to increase their investment in companies providing low-carbon and climate resilient goods and services. A lack of response to climate change-related issues could create a risk for our business and threaten our access to capital.</p> <p>For this reason, Avient is committed to improve climate-related issues management at a corporate level and reducing emissions beyond business-as-usual scenario. As part of this effort, Avient issued its first Sustainability report in 2019 and yearly thereafter to highlight the contributions we're making in the areas of People, Products, Planet and Performance – our four cornerstones of sustainability. In addition, in 2019 we made our first public disclosure through the CDP Climate Change questionnaire and have continued to report since. These efforts not only are a means for continuous improvement and better decision-making, but also improve transparency, help increase stakeholder trust and improve access to capital.</p> <p>Time horizon covered by the financial planning process for Access to Capital: long term.</p> <p>• Capital Expenditures In Avient when we evaluate Capital expenditure decisions, we classify the investment opportunity in three main categories: quality, productivity and Environmental Health and Safety (EHS).</p> <p>To arbitrate between different options and further support investments in clean and lower-carbon solutions even when they do not present the most attractive returns, we give a higher weighting factors to EHS</p>
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		<p>projects that ultimately improve overall scores and prioritize them in our investment decision matrix. In 2021, Avient directed \$3.4 MM towards environmental, health and safety capital improvements.</p> <p>As a direct result of this policy we have implemented in 2021 207 Energy Savings projects that cumulatively reduce yearly emissions consumption by nearly 5,500 MT CO<sub>2</sub>e, and each year more an increasing number of projects are screened.</p> <p>Time horizon covered by the financial planning process for Capital Expenditures: short term to 5 years out.</p> <ul style="list-style-type: none"> <li>• Assets</li> </ul> <p>At Avient, climate-related risks and opportunities have influenced our financial planning when it comes to Assets.</p> <p>For instance, our ERM process and the Risk Management Committee frequently assess property risks and opportunities and provides guidance on Asset Management (for instance for new Facilities development and existing facilities Divestment or Acquisitions) to mitigate, among others, physical risks that could cause decreased asset life, value write-offs, insurance costs increase among others.</p> <p>Such process and guidance are fully integrated in our financial planning, which outlook can span from short term to long term.</p> <p>Time horizon covered by the financial planning process for Assets: short term to 5 years out.</p>
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## 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.**

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**Target reference number**

Abs 1

**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)**

**Base year**

2019

**Base year Scope 1 emissions covered by target (metric tons CO<sub>2</sub>e)**

18,709

**Base year Scope 2 emissions covered by target (metric tons CO<sub>2</sub>e)**

155,023

**Base year Scope 3 emissions covered by target (metric tons CO<sub>2</sub>e)**

**Total base year emissions covered by target in all selected Scopes (metric tons CO<sub>2</sub>e)**

173,731

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

**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 (%)**

60

**Total emissions in target year covered by target in all selected Scopes (metric tons CO<sub>2</sub>e) [auto-calculated]**

69,492.4

**Scope 1 emissions in reporting year covered by target (metric tons CO<sub>2</sub>e)**

18,242

**Scope 2 emissions in reporting year covered by target (metric tons CO<sub>2</sub>e)**

85,892

**Scope 3 emissions in reporting year covered by target (metric tons CO<sub>2</sub>e)**

**Total emissions in reporting year covered by target in all selected scopes (metric tons CO<sub>2</sub>e)**

104,134

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

66.7670133712

**Target status in reporting year**

Underway

**Is this a science-based target?**

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

**Target ambition**

**Please explain target coverage and identify any exclusions**

We are proud to have reached our original target of 35% in 2021 by reducing our Scope 1 & 2 GHG emissions by 40%. Our next level commitment for 2030 has been established, whereby we will achieve a reduction of 60% and operational carbon neutrality by 2050.

**Plan for achieving target, and progress made to the end of the reporting year**

Avient's approach to reducing our greenhouse gases and other emissions is focused on four main areas: increasing equipment and building energy efficiency, process transformation, expanding the use of renewable or low-carbon energy, and supporting technology breakthroughs by meeting our customer's sustainable solution needs. Strategic plans at the facility and business level include planned efforts to achieve sustainability and operational goals which will allow Avient to make continuous improvement towards our goals.

**List the emissions reduction initiatives which contributed most to achieving this target**

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**Target reference number**

Abs 2

**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)**

**Base year**

2019

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

18,709

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

155,023

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

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

173,731

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

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

100

**Target year**

2050

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

100

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

0

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

18,242

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

85,892

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

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

104,134

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

40.0602080227

**Target status in reporting year**

Underway

**Is this a science-based target?**

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

**Target ambition**

**Please explain target coverage and identify any exclusions**

We are proud to have reached our original target of 35% in 2021 by reducing our Scope 1 & 2 GHG emissions by 40%. Our next level commitment for 2030 has been established, whereby we will achieve a reduction of 60% and operational carbon neutrality by 2050.

**Plan for achieving target, and progress made to the end of the reporting year**

Avient's approach to reducing our greenhouse gases and other emissions is focused on four main areas: increasing equipment and building energy efficiency, process transformation, expanding the use of renewable or low-carbon energy, and supporting technology breakthroughs by meeting our customer's sustainable solution needs. Strategic plans at the facility and business level include planned efforts to achieve sustainability and operational goals which will allow Avient to make continuous improvement towards our goals.

**List the emissions reduction initiatives which contributed most to achieving this target**

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**Target reference number**

Abs 3

**Year target was set**

2020

**Target coverage**

Company-wide

**Scope(s)**

Scope 3

**Scope 2 accounting method**

**Scope 3 category(ies)**

Category 5: Waste generated in operations

**Base year**

2019

**Base year Scope 1 emissions covered by target (metric tons CO<sub>2</sub>e)**

**Base year Scope 2 emissions covered by target (metric tons CO<sub>2</sub>e)**

**Base year Scope 3 emissions covered by target (metric tons CO<sub>2</sub>e)**

6,234

**Total base year emissions covered by target in all selected Scopes (metric tons CO<sub>2</sub>e)**

6,234

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

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

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

1

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

1

**Target year**

2030

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

35

**Total emissions in target year covered by target in all selected Scopes (metric tons CO<sub>2</sub>e) [auto-calculated]**

4,052.1

**Scope 1 emissions in reporting year covered by target (metric tons CO<sub>2</sub>e)**

**Scope 2 emissions in reporting year covered by target (metric tons CO<sub>2</sub>e)**

**Scope 3 emissions in reporting year covered by target (metric tons CO<sub>2</sub>e)**

6,812

**Total emissions in reporting year covered by target in all selected scopes (metric tons CO<sub>2</sub>e)**

6,812

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

-26.4906732664

**Target status in reporting year**

Underway

**Is this a science-based target?**

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

**Target ambition**

**Please explain target coverage and identify any exclusions**

By 2030, Avient will reduce waste to landfill by 35% from the 2019 baseline

**Plan for achieving target, and progress made to the end of the reporting year**

Avient's efforts are aimed at reducing the quantity of hazardous and non-hazardous waste generated. Our waste management approach adds value by reducing the risk of environmental harm as well as costs associativity waste management. We track our waste data on a quarterly basis as part of routine reporting of waste activities and measure progress against our goal.

**List the emissions reduction initiatives which contributed most to achieving this target**

## C4.2

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

Target(s) to increase low-carbon energy consumption or production  
Other climate-related target(s)

## C4.2a

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

---

**Target reference number**

Low 1

**Year target was set**

2020

**Target coverage**

Company-wide

**Target type: energy carrier**

Electricity

**Target type: activity**

Consumption

**Target type: energy source**

Renewable energy source(s) only

**Base year**

2019

**Consumption or production of selected energy carrier in base year (MWh)**

151,183

**% share of low-carbon or renewable energy in base year**

0.69

**Target year**

2030

**% share of low-carbon or renewable energy in target year**

60

**% share of low-carbon or renewable energy in reporting year**

44

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

73.0230989715

**Target status in reporting year**

Underway

**Is this target part of an emissions target?**

Yes, achieving this target will support Avient's achievement of Abs1.

**Is this target part of an overarching initiative?**

RE100

**Please explain target coverage and identify any exclusions**

44% of Avient's electricity demand globally was from renewable sources in 2021, up from 0.69% in 2019. Avient became a member of the RE100 initiative in 2021, committing to achieve 60% renewable energy by 2030.

**Plan for achieving target, and progress made to the end of the reporting year**

To help reduce consumption from non-renewable energy sources, and to facilitate the expansion of renewable energy availability, Avient continues to leverage Virtual Power Purchase Agreements (VPPA). For example, in 2021, we entered into a VPPA in Europe that will produce 37.5 MW of solar energy with benefits beginning in 2023. While expanding the procurement of renewable energy globally is an important element of our low carbon strategy, Avient continues to explore and implement on-site renewable energy opportunities as well. To ensure that energy needs are minimized as much as possible, we also continue to implement energy saving projects. These projects have a cumulative effect on reducing our operational energy needs and thus our impacts on the environment.

**List the actions which contributed most to achieving this target**

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**Target reference number**

Low 2

**Year target was set**

2020

**Target coverage**

Company-wide

**Target type: energy carrier**

Electricity

**Target type: activity**

Consumption

**Target type: energy source**

Renewable energy source(s) only

**Base year**

2019

**Consumption or production of selected energy carrier in base year (MWh)**

151,183

**% share of low-carbon or renewable energy in base year**

0.69

**Target year**

2050

**% share of low-carbon or renewable energy in target year**

100

**% share of low-carbon or renewable energy in reporting year**

44

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

43.6109153157

**Target status in reporting year**

Underway

**Is this target part of an emissions target?**

Yes, achieving this target will support Avient's achievement of Abs2.

**Is this target part of an overarching initiative?**

RE100

**Please explain target coverage and identify any exclusions**

44% of Avient's electricity demand globally was from renewable sources in 2021, up from 0.69% in 2019. Avient became a member of the RE100 initiative in 2021, committing to achieve 100% renewable energy by 2050.

**Plan for achieving target, and progress made to the end of the reporting year**

To help reduce consumption from non-renewable energy sources, and to facilitate the expansion of renewable energy availability, Avient continues to leverage Virtual Power Purchase Agreements (VPPA). For example, in 2021, we entered into a VPPA in Europe that will produce 37.5 MW of solar energy with benefits beginning in 2023. While expanding the procurement of renewable energy globally is an important element of our low carbon strategy, Avient continues to explore and implement on-site renewable energy opportunities as well. To ensure that energy needs are minimized as much as possible, we also continue to implement energy saving projects. These projects have a cumulative effect on reducing our operational energy needs and thus our impacts on the environment.

List the actions which contributed most to achieving this target

## C4.2b

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

---

**Target reference number**

Oth 1

**Year target was set**

2020

**Target coverage**

Company-wide

**Target type: absolute or intensity**

Absolute

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

Other, please specify

Other, please specify

% of products manufactured for packaging applications be recyclable or reusable

**Target denominator (intensity targets only)**

**Base year**

2019

**Figure or percentage in base year**

90

**Target year**

2030

**Figure or percentage in target year**

100

**Figure or percentage in reporting year**

90

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

0

**Target status in reporting year**

Underway

**Is this target part of an emissions target?**

Yes, achieving this target will support Avient's achievement of Abs 3.

**Is this target part of an overarching initiative?**

Other, please specify

Plastics Europe and American Chemistry Council commitments to enable plastics packaging to be 100% re-used, recycled or recovered by 2040.

**Please explain target coverage and identify any exclusions**

By 2030, Avient will enable 100% of our products manufactured for packaging applications to be recyclable or reusable to advance the circular economy.

Current:

- Approximately 90% of Avient's products met these criteria in 2019.
- Avient supports the Plastics Europe and American Chemistry Council commitments to enable plastics packaging to be 100% re-used, recycled or recovered by 2040.
- It is estimated that 9% of the world's plastic is recycled by end users.

Though this goal is most closely related to our products, this goal necessitates that any waste produced via the manufacturing process also be recycle, and so is indirectly tied to our Abs 3 waste goal.

**Plan for achieving target, and progress made to the end of the reporting year**

Avient is committed to eliminating plastic waste through innovation, broad stakeholder engagement and strong partnerships and alliances. We are continuously making a positive impact through our innovative portfolio of technologies that enable our customers to improve plastic recyclability and reduce the amount of material required for packaging. Avient has also joined the Alliance to End Plastic Waste as a founding member and is collaborating with approximately 90 member companies to promote infrastructure, education and engagement, innovation, and clean up efforts to keep plastic waste in the right place.

**List the actions which contributed most to achieving this target**

---

**Target reference number**

Oth 2

**Year target was set**

2020

**Target coverage**

Company-wide

**Target type: absolute or intensity**

Absolute

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

Engagement with suppliers

Percentage of suppliers (by emissions) actively engaged on climate-related issues

**Target denominator (intensity targets only)**

**Base year**

2020

**Figure or percentage in base year**

39

**Target year**

2030

**Figure or percentage in target year**

90

**Figure or percentage in reporting year**

52

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

25.4901960784

**Target status in reporting year**

Underway

**Is this target part of an emissions target?**

No

**Is this target part of an overarching initiative?**

No, it's not part of an overarching initiative

**Please explain target coverage and identify any exclusions**

By 2030, to ensure alignment with Avient's expectations on environmental, social and governance requirements, Avient will assess its top suppliers representing 90% of our total raw material costs.

Current:

- 52% of our top suppliers have been assessed through the end of 2021.

Note: a base year is not applicable to this goal, because as the number of suppliers fluctuates so does the number of suppliers that need to be assessed to achieve our goal – i.e. the achievement of the target is not tied to a base year.

**Plan for achieving target, and progress made to the end of the reporting year**

Our suppliers conducted a best-in-class self-assessment utilizing EcoVadis on environmental, social and governance requirements aligned with the UN Global

Compact principles. We are targeting 50% of our total direct spend as a 2022 interim milestone towards our 2030 Sustainability Goal of 90%.

**List the actions which contributed most to achieving this target**

---

**Target reference number**

Oth 3

**Year target was set**

2020

**Target coverage**

Company-wide

**Target type: absolute or intensity**

Absolute

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

R&D investments

Other, please specify

cumulative annual revenue growth from Sustainable Solutions portfolio

**Target denominator (intensity targets only)**

**Base year**

2020

**Figure or percentage in base year**

790,000,000

**Target year**

2030

**Figure or percentage in target year**

1,705,550,748

**Figure or percentage in reporting year**

915,000,000

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

13.6529843128

**Target status in reporting year**

Underway

**Is this target part of an emissions target?**

No

**Is this target part of an overarching initiative?**

No, it's not part of an overarching initiative

**Please explain target coverage and identify any exclusions**

By 2030, Avient will deliver cumulative annual growth from our Sustainable Solutions portfolio of 8-12% with 2020 as a baseline. • In 2021, our sustainable solutions portfolio grew by 16% over prior year.

**Plan for achieving target, and progress made to the end of the reporting year**

We are committed to growing our innovation pipeline by developing innovative products that meet customer unmet needs. A crucial enabler to living our Sustainability Promise is having deep material science and commercial expertise on our team, and we've heavily invested in this area. Since 2016, we have grown 12% annually.

**List the actions which contributed most to achieving this target**

**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*	17	3,111.3
Implementation commenced*	51	189.2
Implemented*	207	5,458
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 buildings

Lighting

**Estimated annual CO<sub>2</sub>e savings (metric tonnes CO<sub>2</sub>e)**

330.9

**Scope(s) or Scope 3 category(ies) where emissions savings occur**

Scope 2 (location-based)

Scope 2 (market-based)

**Voluntary/Mandatory**

Voluntary

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

318,550

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

717,464

**Payback period**

1-3 years

**Estimated lifetime of the initiative**

6-10 years

**Comment**

---

**Initiative category & Initiative type**

Energy efficiency in buildings

Insulation

**Estimated annual CO<sub>2</sub>e savings (metric tonnes CO<sub>2</sub>e)**

0.11

**Scope(s) or Scope 3 category(ies) where emissions savings occur**

Scope 1

**Voluntary/Mandatory**

Voluntary

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

2,250

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

11,610

**Payback period**

4-10 years

**Estimated lifetime of the initiative**

11-15 years

**Comment**

---

**Initiative category & Initiative type**

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

**Estimated annual CO<sub>2</sub>e savings (metric tonnes CO<sub>2</sub>e)**

9.33

**Scope(s) or Scope 3 category(ies) where emissions savings occur**

Scope 1

**Voluntary/Mandatory**

Voluntary

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

76,653

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

203,000

**Payback period**

1-3 years

**Estimated lifetime of the initiative**

11-15 years

**Comment**

---

**Initiative category & Initiative type**

Energy efficiency in buildings  
Motors and drives

**Estimated annual CO<sub>2</sub>e savings (metric tonnes CO<sub>2</sub>e)**

5.06

**Scope(s) or Scope 3 category(ies) where emissions savings occur**

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

**Voluntary/Mandatory**

Voluntary

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

2,280

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

541

**Payback period**

<1 year

**Estimated lifetime of the initiative**

3-5 years

**Comment**

---

**Initiative category & Initiative type**

Energy efficiency in buildings

Other, please specify

Reactive power efficiency

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

149.23

**Scope(s) or Scope 3 category(ies) where emissions savings occur**

Scope 2 (location-based)

Scope 2 (market-based)

**Voluntary/Mandatory**

Voluntary

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

52,600

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

25,000

**Payback period**

<1 year

**Estimated lifetime of the initiative**

16-20 years

**Comment**

---

**Initiative category & Initiative type**

Energy efficiency in production processes

Process optimization

**Estimated annual CO<sub>2</sub>e savings (metric tonnes CO<sub>2</sub>e)**

725.68

**Scope(s) or Scope 3 category(ies) where emissions savings occur**

Scope 2 (location-based)

Scope 2 (market-based)

**Voluntary/Mandatory**

Voluntary

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

828,440

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

75,962

**Payback period**

<1 year

**Estimated lifetime of the initiative**

<1 year

**Comment**

---

**Initiative category & Initiative type**

Energy efficiency in production processes

Compressed air

**Estimated annual CO<sub>2</sub>e savings (metric tonnes CO<sub>2</sub>e)**

13.53

**Scope(s) or Scope 3 category(ies) where emissions savings occur**

Scope 2 (location-based)

Scope 2 (market-based)

**Voluntary/Mandatory**

Voluntary

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

32,007

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

4,319

**Payback period**

<1 year

**Estimated lifetime of the initiative**

<1 year

## Comment

---

### Initiative category & Initiative type

Energy efficiency in production processes  
Motors and drives

### Estimated annual CO2e savings (metric tonnes CO2e)

216.36

### Scope(s) or Scope 3 category(ies) where emissions savings occur

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

### Voluntary/Mandatory

Voluntary

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

41,547

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

27,841

### Payback period

<1 year

### Estimated lifetime of the initiative

11-15 years

## Comment

---

### Initiative category & Initiative type

Energy efficiency in production processes  
Machine/equipment replacement

### Estimated annual CO2e savings (metric tonnes CO2e)

121.46

### Scope(s) or Scope 3 category(ies) where emissions savings occur

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

### Voluntary/Mandatory

Voluntary

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

26,000

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

150,000

**Payback period**

4-10 years

**Estimated lifetime of the initiative**

11-15 years

**Comment**

---

**Initiative category & Initiative type**

Energy efficiency in production processes  
Cooling technology

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

101.38

**Scope(s) or Scope 3 category(ies) where emissions savings occur**

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

**Voluntary/Mandatory**

Voluntary

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

19,047

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

99,277

**Payback period**

4-10 years

**Estimated lifetime of the initiative**

11-15 years

**Comment**

---

**Initiative category & Initiative type**

Energy efficiency in production processes  
Product or service design

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

16.79

**Scope(s) or Scope 3 category(ies) where emissions savings occur**

Scope 2 (location-based)

Scope 2 (market-based)

**Voluntary/Mandatory**

Voluntary

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

8,860

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

0

**Payback period**

<1 year

**Estimated lifetime of the initiative**

3-5 years

**Comment**

---

**Initiative category & Initiative type**

Low-carbon energy generation

Solar PV

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

26.12

**Scope(s) or Scope 3 category(ies) where emissions savings occur**

Scope 2 (location-based)

Scope 2 (market-based)

**Voluntary/Mandatory**

Voluntary

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

8,000

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

31,000

**Payback period**

4-10 years

**Estimated lifetime of the initiative**

16-20 years

**Comment**

---

**Initiative category & Initiative type**

Company policy or behavioral change  
Change in purchasing practices

**Estimated annual CO<sub>2</sub>e savings (metric tonnes CO<sub>2</sub>e)**

3,730.77

**Scope(s) or Scope 3 category(ies) where emissions savings occur**

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

**Voluntary/Mandatory**

Voluntary

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

15,000

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

0

**Payback period**

<1 year

**Estimated lifetime of the initiative**

1-2 years

**Comment**

---

**Initiative category & Initiative type**

Company policy or behavioral change  
Resource efficiency

**Estimated annual CO<sub>2</sub>e savings (metric tonnes CO<sub>2</sub>e)**

11.19

**Scope(s) or Scope 3 category(ies) where emissions savings occur**

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

**Voluntary/Mandatory**

Voluntary

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

41,200

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

10,000

**Payback period**

<1 year

**Estimated lifetime of the initiative**

3-5 years

**Comment**

---

**Initiative category & Initiative type**

Company policy or behavioral change  
Supplier engagement

**Estimated annual CO<sub>2</sub>e savings (metric tonnes CO<sub>2</sub>e)**

0

**Scope(s) or Scope 3 category(ies) where emissions savings occur**

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

**Voluntary/Mandatory**

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

49,963

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

49,963

**Payback period**

<1 year

**Estimated lifetime of the initiative**

6-10 years

**Comment**

---

**Initiative category & Initiative type**

Non-energy industrial process emissions reductions  
Process material efficiency

**Estimated annual CO<sub>2</sub>e savings (metric tonnes CO<sub>2</sub>e)**

0

**Scope(s) or Scope 3 category(ies) where emissions savings occur**

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

**Voluntary/Mandatory**

Voluntary

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

1,200

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

1,200

**Payback period**

<1 year

**Estimated lifetime of the initiative**

Ongoing

**Comment**

---

**Initiative category & Initiative type**

Waste reduction and material circularity

Product/component/material reuse

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

0

**Scope(s) or Scope 3 category(ies) where emissions savings occur**

Scope 3 category 5: Waste generated in operations

**Voluntary/Mandatory**

Voluntary

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

141,633

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

48,576

**Payback period**

<1 year

**Estimated lifetime of the initiative**

<1 year

**Comment**

---

**Initiative category & Initiative type**

Waste reduction and material circularity

Product/component/material recycling

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

0

**Scope(s) or Scope 3 category(ies) where emissions savings occur**

Scope 3 category 5: Waste generated in operations

**Voluntary/Mandatory**

Voluntary

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

243,625

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

56,612

**Payback period**

<1 year

**Estimated lifetime of the initiative**

<1 year

**Comment**

---

**Initiative category & Initiative type**

Waste reduction and material circularity

Waste reduction

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

0

**Scope(s) or Scope 3 category(ies) where emissions savings occur**

Scope 3 category 5: Waste generated in operations

**Voluntary/Mandatory**

Voluntary

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

794,390

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

372,536

**Payback period**

<1 year

**Estimated lifetime of the initiative**

<1 year

## Comment

---

### Initiative category & Initiative type

Waste reduction and material circularity  
Remanufacturing

### Estimated annual CO2e savings (metric tonnes CO2e)

0

### Scope(s) or Scope 3 category(ies) where emissions savings occur

Scope 3 category 5: Waste generated in operations

### Voluntary/Mandatory

Voluntary

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

114,092

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

220,000

### Payback period

1-3 years

### Estimated lifetime of the initiative

1-2 years

## Comment

---

### Initiative category & Initiative type

Waste reduction and material circularity  
Other, please specify  
Waste sorting

### Estimated annual CO2e savings (metric tonnes CO2e)

0

### Scope(s) or Scope 3 category(ies) where emissions savings occur

Scope 3 category 5: Waste generated in operations

### Voluntary/Mandatory

Voluntary

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

312,141

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

250,753

**Payback period**

&lt;1 year

**Estimated lifetime of the initiative**

&lt;1 year

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

Method	Comment
Financial optimization calculations	Avient has developed an energy efficiency program that is driven by Corporate mandates to identify/execute/report energy savings activities at the facility level. Progress against this expectation is audited quarterly. Overarching goal of this objective is to identify savings potential through the calculation and analysis of energy consumption which drives optimized use of equipment and systems. In addition, when evaluating Capital expenditure decisions, we classify the investment opportunity in three main categories: quality, productivity and Environmental Health and Safety (EHS). To arbitrate between different options and further support investments in clean and lower-carbon solutions (that are classified as EHS) even when they do not present the most attractive returns, we give a higher weighting factors to EHS projects that ultimately improve overall scores and prioritize them in our investment decision matrix. In 2021, Avient directed \$3.4 MM towards environmental, health and safety capital improvements. In 2022, Avient is instituting an internal cost of carbon to better prioritize low-carbon investments.
Compliance with regulatory requirements/standards	Avient believes that sustainable business success is closely tied to strict compliance with regulatory requirements and our own ethical standards.
Employee engagement	Expectations around energy savings activities communicated to all in conjunction with training and guidance for execution. Incentive programs made available to further promote participation.
Partnering with governments on technology development	An active program exists to periodically assess availability of government incentives related to greener technology use and development.

## 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**

Other, please specify

(US Federal Trade Commission Green Guides)

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

Other

Other, please specify

Material solutions for products designed for resource conservation

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

Avient has a highly-technical and broad portfolio of material solutions that help our customers—and our planet—be more sustainable. It is clear that these materials have and will continue to comprise a growing portfolio for our company, as demand increases across the globe and canvasses many end markets. Our innovation efforts and collaboration with customers have increased in lockstep. As a result, Avient revenue from sustainable solutions has more than doubled compared to 2016. In 2021 we delivered \$915 million in sustainable solutions sales, as defined using criteria aligned with the FTC 2012 Guide for the Use of Environmental Marketing Claims. And we did so while also yielding sustainable benefits in these eight key areas where our material science is having the most impact. As we look to the future, we expect these eight areas to gain even more importance—and acceptance—among our customers and their end users. We also expect it will further the win-win benefit trend for both our planet and Avient. By 2030, 100% of Avient's technology platform projects will deliver sustainable solutions that enable our customers' innovation goals. In 2021, our sustainable solutions portfolio grew by 16% over prior year.

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

No

### **Methodology used to calculate avoided emissions**

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

**Functional unit used**

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

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

**Estimated avoided emissions (metric tons CO<sub>2</sub>e per functional unit) compared to reference product/service or baseline scenario**

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

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

19

## **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

### **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?**

Row 1	No
-------	----

## 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)**

18,709

**Comment**

### Scope 2 (location-based)

---

**Base year start**

January 1, 2019

**Base year end**

December 31, 2019

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

143,505

**Comment**

### Scope 2 (market-based)

---

**Base year start**

January 1, 2019

**Base year end**

December 31, 2019

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

155,023

**Comment**

### 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 CO<sub>2</sub>e)**

484,421

**Comment**

**Scope 3 category 2: Capital goods**

---

**Base year start**

January 1, 2019

**Base year end**

December 31, 2019

**Base year emissions (metric tons CO<sub>2</sub>e)**

0

**Comment**

**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 CO<sub>2</sub>e)**

5,512

**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 CO<sub>2</sub>e)**

0

**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)**

6,234

**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)**

6,479

**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)**

12,578

**Comment**

### 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)**

2,718

**Comment**

**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 CO<sub>2</sub>e)**

46,417

**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 CO<sub>2</sub>e)**

0

**Comment**

**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 CO<sub>2</sub>e)**

0

**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)**

0

**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**

**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**

**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**

**Scope 3: Other (upstream)**

---

**Base year start**

January 1, 2019

**Base year end**

December 31, 2019

**Base year emissions (metric tons CO<sub>2</sub>e)**

0

**Comment**

**Scope 3: Other (downstream)**

---

**Base year start**

January 1, 2019

**Base year end**

December 31, 2019

**Base year emissions (metric tons CO<sub>2</sub>e)**

0

**Comment**

## C5.3

**(C5.3) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.**

IEA CO<sub>2</sub> Emissions from Fuel Combustion

IPCC Guidelines for National Greenhouse Gas Inventories, 2006

The Greenhouse Gas Protocol: Public Sector Standard

The Greenhouse Gas Protocol: Scope 2 Guidance

US EPA Mandatory Greenhouse Gas Reporting Rule

US EPA Emissions & Generation Resource Integrated Database (eGRID)

Other, please specify

Reliable Disclosure Systems for Europe (RE-DISS)

## C6. Emissions data

### C6.1

**(C6.1) What were your organization's gross global Scope 1 emissions in metric tons CO<sub>2</sub>e?**

**Reporting year**

---

**Gross global Scope 1 emissions (metric tons CO<sub>2</sub>e)**

18,242

**Comment**

## C6.2

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

**Row 1**

---

**Scope 2, location-based**

We are reporting a Scope 2, location-based figure

**Scope 2, market-based**

We are reporting a Scope 2, market-based figure

**Comment**

## C6.3

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

**Reporting year**

---

**Scope 2, location-based**

134,244

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

85,892

**Comment**

## C6.4

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

No

## C6.5

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

**Purchased goods and services**

---

**Evaluation status**

Relevant, calculated

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

1,810,579

**Emissions calculation methodology**

Average data method

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

0

**Please explain**

Pounds of purchased polymers broken out by polymer type as well as carbon black, titanium dioxide, and calcium carbonate data were obtained. Emissions for polymers and carbon black were calculated using emission factors from a variety of sources including ELCD, DEFRA, and US-EI 2.2 and utilizing IPCC's AR5 GWP. Other purchased goods and services were calculated based on spend information utilizing emission factors from CEDA.

**Capital goods**

---

**Evaluation status**

Not relevant, explanation provided

**Please explain**

This Scope 3 category does not meet any of the criteria (size, influence, risk, stakeholders, outsourcing, etc.) deemed as relevant under the WRI / WBCSD "Corporate Value Chain (Scope 3) Accounting & Reporting Standard" criteria of "sector guidance" as defined in Table 6.1 based on Avient's review of operations.

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

---

**Evaluation status**

Relevant, calculated

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

50,179

**Emissions calculation methodology**

Average data method

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

100

**Please explain**

Avient utilizes our Scope 2 emissions and applies a regional transmission and distribution loss % to calculate this value. T&D loss percentages for the USA are by state and come from the EPA's "Power Profiler ZIP Code Tool with eGRID2022 Data". For the rest of the world come from the World Bank Table 5.11 "World Development Indicators: Power and communication" (2014 data). DEFRA factors were used to calculate well to tank (WTT) emissions for natural gas, diesel and electric power.

## Upstream transportation and distribution

---

### Evaluation status

Not relevant, explanation provided

### Please explain

This Scope 3 category does not meet any of the criteria (size, influence, risk, stakeholders, outsourcing, etc.) deemed as relevant under the WRI / WBCSD "Corporate Value Chain (Scope 3) Accounting & Reporting Standard" criteria of "sector guidance" as defined in Table 6.1 based on Avient's review of operations.

## Waste generated in operations

---

### Evaluation status

Relevant, calculated

### Emissions in reporting year (metric tons CO<sub>2</sub>e)

6,812

### Emissions calculation methodology

Waste-type-specific method

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

100

### Please explain

Site level solid waste data was collected and emissions were calculated utilizing the Department for Environment Food and Rural Affairs (DEFRA 2021 Guidelines).

## Business travel

---

### Evaluation status

Relevant, calculated

### Emissions in reporting year (metric tons CO<sub>2</sub>e)

1,681

### Emissions calculation methodology

Distance-based method

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

100

### Please explain

Business travel data includes car and air travel, as well as hotel stays provided by our travel agency of choice. The emissions were calculated using relevant emission factors from Department for Environment Food and Rural Affairs (DEFRA 2021 Guidelines).

## Employee commuting

---

**Evaluation status**

Relevant, calculated

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

19,895

**Emissions calculation methodology**

Distance-based method

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

0

**Please explain**

The mileage distance between employee's home and office was estimated using the respective postal codes. Commuting mileage outliers were assigned an average value calculated for that year. We assumed 50 weeks a year and 5 days a week of commuting when estimating. The commuting mileage total was combined with relevant emission factors from Department for Environment Food and Rural Affairs (DEFRA 2021 Guidelines).

## Upstream leased assets

---

**Evaluation status**

Relevant, calculated

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

670

**Emissions calculation methodology**

Average data method

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

100

**Please explain**

Upstream leased assets data includes mileage data from leased vehicles provided by our leasing agencies of choice. The emissions were calculated using relevant emission factors from Department for Environment Food and Rural Affairs (DEFRA 2021 Guidelines).

## Downstream transportation and distribution

---

**Evaluation status**

Relevant, calculated

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

232,522

**Emissions calculation methodology**

Distance-based method

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

100

**Please explain**

Downstream transportation and distribution information includes truck, air and sea freight. The values were calculated using metric ton kilometers and combined with emission factors from Department for Environment Food and Rural Affairs (DEFRA 2021 Guidelines).

**Processing of sold products**

---

**Evaluation status**

Not relevant, explanation provided

**Please explain**

This Scope 3 category does not meet any of the criteria (size, influence, risk, stakeholders, outsourcing, etc.) deemed as relevant under the WRI / WBCSD "Corporate Value Chain (Scope 3) Accounting & Reporting Standard" criteria of "sector guidance" as defined in Table 6.1 based on Avient's review of operations.

**Use of sold products**

---

**Evaluation status**

Not relevant, explanation provided

**Please explain**

This Scope 3 category does not meet any of the criteria (size, influence, risk, stakeholders, outsourcing, etc.) deemed as relevant under the WRI / WBCSD "Corporate Value Chain (Scope 3) Accounting & Reporting Standard" criteria of "sector guidance" as defined in Table 6.1 based on Avient's review of operations.

**End of life treatment of sold products**

---

**Evaluation status**

Not relevant, explanation provided

**Please explain**

This Scope 3 category does not meet any of the criteria (size, influence, risk, stakeholders, outsourcing, etc.) deemed as relevant under the WRI / WBCSD "Corporate Value Chain (Scope 3) Accounting & Reporting Standard" criteria of "sector guidance" as defined in Table 6.1 based on Avient's review of operations.

**Downstream leased assets**

---

**Evaluation status**

Not relevant, explanation provided

**Please explain**

This Scope 3 category does not meet any of the criteria (size, influence, risk, stakeholders, outsourcing, etc.) deemed as relevant under the WRI / WBCSD "Corporate Value Chain (Scope 3) Accounting & Reporting Standard" criteria of "sector guidance" as defined in Table 6.1 based on Avient's review of operations.

**Franchises**

---

**Evaluation status**

Not relevant, explanation provided

**Please explain**

This Scope 3 category does not meet any of the criteria (size, influence, risk, stakeholders, outsourcing, etc.) deemed as relevant under the WRI / WBCSD "Corporate Value Chain (Scope 3) Accounting & Reporting Standard" criteria of "sector guidance" as defined in Table 6.1 based on Avient's review of operations.

**Investments**

---

**Evaluation status**

Not relevant, explanation provided

**Please explain**

This Scope 3 category does not meet any of the criteria (size, influence, risk, stakeholders, outsourcing, etc.) deemed as relevant under the WRI / WBCSD "Corporate Value Chain (Scope 3) Accounting & Reporting Standard" criteria of "sector guidance" as defined in Table 6.1 based on Avient's review of operations.

**Other (upstream)**

---

**Evaluation status**

Not relevant, explanation provided

**Please explain**

This Scope 3 category does not meet any of the criteria (size, influence, risk, stakeholders, outsourcing, etc.) deemed as relevant under the WRI / WBCSD "Corporate Value Chain (Scope 3) Accounting & Reporting Standard" criteria of "sector guidance" as defined in Table 6.1 based on Avient's review of operations.

**Other (downstream)**

---

**Evaluation status**

Not relevant, explanation provided

**Please explain**

This Scope 3 category does not meet any of the criteria (size, influence, risk, stakeholders, outsourcing, etc.) deemed as relevant under the WRI / WBCSD "Corporate Value Chain (Scope 3) Accounting & Reporting Standard" criteria of "sector guidance" as defined in Table 6.1 based on Avient's review of operations.

## 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 CO<sub>2</sub>e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.**

---

**Intensity figure**

0.000021695

**Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO<sub>2</sub>e)**

104,134

**Metric denominator**

unit total revenue

**Metric denominator: Unit total**

4,800,000,000

**Scope 2 figure used**

Market-based

**% change from previous year**

30.6

**Direction of change**

Decreased

**Reason for change**

Our revenue increased by 48% while our overall scope 1+2 emissions increased by 3%, leading to a 30.60% decrease of the intensity overall.

---

**Intensity figure**

0.212534411

**Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO<sub>2</sub>e)**

104,134

**Metric denominator**

unit of production

**Metric denominator: Unit total**

489,962

**Scope 2 figure used**

Market-based

**% change from previous year**

7.8

**Direction of change**

Decreased

**Reason for change**

Our production decreased by 10% while our overall scope 1+2 emissions increased by 3%, leading to a 7.8% decrease of the intensity overall.

## C7. Emissions breakdowns

### C7.1

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

Yes

### C7.1a

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

Greenhouse gas	Scope 1 emissions (metric tons of CO2e)	GWP Reference
CO2	18,218.6	IPCC Fifth Assessment Report (AR5 – 100 year)
CH4	10.8	IPCC Fifth Assessment Report (AR5 – 100 year)
N2O	12.2	IPCC Fifth Assessment Report (AR5 – 100 year)

### C7.2

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

Country/Region	Scope 1 emissions (metric tons CO2e)
Belgium	871
Canada	492

China	26
France	443
Germany	1,295
Hungary	114
Italy	699
Netherlands	60
Poland	165
Saudi Arabia	9
Spain	630
Thailand	5
United Kingdom of Great Britain and Northern Ireland	220
United States of America	12,415
Finland	61
India	154
Turkey	216
Singapore	30
Guatemala	17
Pakistan	168
Argentina	32
South Africa	27
Indonesia	13
Chile	0.001
Sweden	73
Colombia	6

### 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 CO <sub>2</sub> e)
Global Color, Additives and Inks	5,136

Global Specialty Engineered Materials	3,088
Masterbatch	5,329
Avient Corporate	3,930
Avient Distribution	759

## C-CE7.4/C-CH7.4/C-CO7.4/C-EU7.4/C-MM7.4/C-OG7.4/C-ST7.4/C-TO7.4/C-TS7.4

(C-CE7.4/C-CH7.4/C-CO7.4/C-EU7.4/C-MM7.4/C-OG7.4/C-ST7.4/C-TO7.4/C-TS7.4) Break down your organization's total gross global Scope 1 emissions by sector production activity in metric tons CO<sub>2</sub>e.

	Gross Scope 1 emissions, metric tons CO <sub>2</sub> e	Comment
Chemicals production activities	13,552.273	

## C7.5

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

Country/Region	Scope 2, location-based (metric tons CO <sub>2</sub> e)	Scope 2, market-based (metric tons CO <sub>2</sub> e)
Belgium	1,243.62	691.39
Brazil	480.87	480.87
Canada	329.82	329.82
China	23,797.07	23,797.07
Finland	114.42	330.47
France	535.28	582.35
Germany	7,895.84	9,832.75
Hungary	607.19	727.07
India	5,802.46	5,802.46
Italy	6,122.27	0
Luxembourg	31.21	31.21
Mexico	1,475.71	1,475.71
Netherlands	112.1	137.1
Peru	37.66	37.66
Poland	2,523.79	3,019.31
Saudi Arabia	9,551.49	9,551.49

Singapore	1,541.95	1,541.95
Spain	5,987.13	4,151.9
Thailand	4,236.59	4,236.59
United Kingdom of Great Britain and Northern Ireland	665.1	1,067.71
United States of America	48,357.61	5,253.3
Turkey	3,091.23	3,091.23
Guatemala	341.85	341.85
Pakistan	1,067.72	1,067.72
Argentina	323.96	211.66
South Africa	1,051.95	1,051.95
Indonesia	1,346.96	1,346.96
Chile	55.87	55.87
Sweden	25.47	0
New Zealand	243.38	243.38
Viet Nam	436.12	436.12
Colombia	303.87	303.87
Ireland	307.26	464.48
Malaysia	503.02	503.02
Taiwan, China	3,695.95	3,695.95

## 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 CO <sub>2</sub> e)	Scope 2, market-based (metric tons CO <sub>2</sub> e)
Global Color, Additives and Inks	35,150	21,674
Global Specialty Engineered Materials	37,555	17,253

Masterbatch	56,313	46,632
Avient Corporate	4,544	333
Avient Distribution	681	0

### C-CE7.7/C-CH7.7/C-CO7.7/C-MM7.7/C-OG7.7/C-ST7.7/C-TO7.7/C-TS7.7

(C-CE7.7/C-CH7.7/C-CO7.7/C-MM7.7/C-OG7.7/C-ST7.7/C-TO7.7/C-TS7.7) Break down your organization’s total gross global Scope 2 emissions by sector production activity in metric tons CO2e.

	Scope 2, location-based, metric tons CO2e	Scope 2, market-based (if applicable), metric tons CO2e	Comment
Chemicals production activities	127,934.115	85,216.975	

### C-CH7.8

(C-CH7.8) Disclose the percentage of your organization’s Scope 3, Category 1 emissions by purchased chemical feedstock.

Purchased feedstock	Percentage of Scope 3, Category 1 tCO2e from purchased feedstock	Explain calculation methodology
Carbon black	1	Purchased carbon black data was obtained in weight. Emissions for carbon black were calculated using an emission factors from US-EI 2.2.
Polymers	45	Purchased polymers data, broken out by polymer type, was obtained in weight. Emissions for purchased polymers were calculated using appropriate emission factors from ELCD, DEFRA and US-EI 2.2.

### C-CH7.8a

(C-CH7.8a) Disclose sales of products that are greenhouse gases.

	Sales, metric tons	Comment
Carbon dioxide (CO2)	0	
Methane (CH4)	0	
Nitrous oxide (N2O)	0	

Hydrofluorocarbons (HFC)	0	
Perfluorocarbons (PFC)	0	
Sulphur hexafluoride (SF6)	0	
Nitrogen trifluoride (NF3)	0	

## C7.9

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

Increased

## C7.9a

**(C7.9a) Identify the reasons for any change in your gross global emissions (Scope 1 and 2 combined), and for each of them specify how your emissions compare to the previous year.**

	Change in emissions (metric tons CO2e)	Direction of change	Emissions value (percentage)	Please explain calculation
Change in renewable energy consumption	3,865	Decreased	3.81	This change includes the reduction of emissions due to increased purchased of offsite renewable power (3,865 metric tons) and dividing by total Scope 1 and Scope 2 emissions (104,108 metric tons CO2e), this results in 3.81% decrease. Avient did purchase Renewable Energy Credits and Guarantees of Origin in the reporting year, however, it was not additional purchases compared to the previous year and therefore have not been included.
Other emissions reduction activities	5,458	Decreased	5.39	The total emissions reduction activities implemented in 2021 as described in 4.3b are 5,458 metric tons CO2e. This value divided by total Scope 1 and Scope 2 emissions (104,108 metric tons CO2e) results in 5.39% decrease.
Divestment	0	No change	0	
Acquisitions	0	No change	0	
Mergers	0	No change	0	

Change in output	0	No change	0	
Change in methodology	0	No change	0	
Change in boundary	0	No change	0	
Change in physical operating conditions	0	No change	0	
Unidentified	12,131	Increased	11.97	There was a total of 12,131 metric tons of unidentified emission decrease YoY. Taking that value divided by total Scope 1 and Scope 2 emissions (104,134 metric tons CO2), this results in a increase of 11.97%.
Other				

### C7.9b

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

Market-based

## C8. Energy

### C8.1

**(C8.1) What percentage of your total operational spend in the reporting year was on energy?**

More than 0% but less than or equal to 5%

### C8.2

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

	Indicate whether your organization undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	Yes
Consumption of purchased or acquired electricity	Yes

Consumption of purchased or acquired heat	No
Consumption of purchased or acquired steam	No
Consumption of purchased or acquired cooling	No
Generation of electricity, heat, steam, or cooling	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)	HHV (higher heating value)	0	97,766	97,766
Consumption of purchased or acquired electricity		148,531	191,284	339,815
Consumption of self-generated non-fuel renewable energy		2,652		2,652
Total energy consumption		151,183.12	289,050.82	440,233.94

## C-CH8.2a

**(C-CH8.2a) Report your organization's energy consumption totals (excluding feedstocks) for chemical production activities in MWh.**

### Consumption of fuel (excluding feedstocks)

#### Heating value

HHV (higher heating value)

#### MWh consumed from renewable sources inside chemical sector boundary

0

#### MWh consumed from non-renewable sources inside chemical sector boundary (excluding recovered waste heat/gases)

71,892

**MWh consumed from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary**

0

**Total MWh (renewable + non-renewable + MWh from recovered waste heat/gases) consumed inside chemical sector boundary**

71,892

**Consumption of purchased or acquired electricity**

---

**MWh consumed from renewable sources inside chemical sector boundary**

135,907

**MWh consumed from non-renewable sources inside chemical sector boundary (excluding recovered waste heat/gases)**

189,681

**MWh consumed from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary**

0

**Total MWh (renewable + non-renewable + MWh from recovered waste heat/gases) consumed inside chemical sector boundary**

325,588

**Consumption of self-generated non-fuel renewable energy**

---

**MWh consumed from renewable sources inside chemical sector boundary**

2,652

**MWh consumed from non-renewable sources inside chemical sector boundary (excluding recovered waste heat/gases)**

0

**MWh consumed from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary**

0

**Total MWh (renewable + non-renewable + MWh from recovered waste heat/gases) consumed inside chemical sector boundary**

2,652

**Total energy consumption**

---

**MWh consumed from renewable sources inside chemical sector boundary**

138,560

**MWh consumed from non-renewable sources inside chemical sector boundary (excluding recovered waste heat/gases)**

261,573

**MWh consumed from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary**

0

**Total MWh (renewable + non-renewable + MWh from recovered waste heat/gases) consumed inside chemical sector boundary**

400,132

## 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	No
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

**Comment**

### Other biomass

**Heating value**

Unable to confirm heating value

**Total fuel MWh consumed by the organization**

0

**Comment**

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

---

**Heating value**

Unable to confirm heating value

**Total fuel MWh consumed by the organization**

0

**Comment**

**Coal**

---

**Heating value**

Unable to confirm heating value

**Total fuel MWh consumed by the organization**

0

**Comment**

**Oil**

---

**Heating value**

HHV

**Total fuel MWh consumed by the organization**

7,268.01

**Comment**

**Gas**

---

**Heating value**

HHV

**Total fuel MWh consumed by the organization**

90,498.34

**Comment**

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

---

**Heating value**

Unable to confirm heating value

**Total fuel MWh consumed by the organization**

0

**Comment**

**Total fuel**

---

**Heating value**

HHV

**Total fuel MWh consumed by the organization**

97,766.35

**Comment**

## C8.2d

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

	<b>Total Gross generation (MWh)</b>	<b>Generation that is consumed by the organization (MWh)</b>	<b>Gross generation from renewable sources (MWh)</b>	<b>Generation from renewable sources that is consumed by the organization (MWh)</b>
Electricity	2,652	2,652	2,652	2,652
Heat	0	0	0	0
Steam	0	0	0	0
Cooling	0	0	0	0

## C-CH8.2d

**(C-CH8.2d) Provide details on electricity, heat, steam, and cooling your organization has generated and consumed for chemical production activities.**

**Electricity**

---

**Total gross generation inside chemicals sector boundary (MWh)**

2,652

**Generation that is consumed inside chemicals sector boundary (MWh)**

2,652

**Generation from renewable sources inside chemical sector boundary (MWh)**

2,652

**Generation from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary (MWh)**

0

## Heat

---

**Total gross generation inside chemicals sector boundary (MWh)**

0

**Generation that is consumed inside chemicals sector boundary (MWh)**

0

**Generation from renewable sources inside chemical sector boundary (MWh)**

0

**Generation from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary (MWh)**

0

## Steam

---

**Total gross generation inside chemicals sector boundary (MWh)**

0

**Generation that is consumed inside chemicals sector boundary (MWh)**

0

**Generation from renewable sources inside chemical sector boundary (MWh)**

0

**Generation from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary (MWh)**

0

## Cooling

---

**Total gross generation inside chemicals sector boundary (MWh)**

0

**Generation that is consumed inside chemicals sector boundary (MWh)**

0

**Generation from renewable sources inside chemical sector boundary (MWh)**

0

**Generation from waste heat/gases recovered from processes using fuel feedstocks inside chemical sector boundary (MWh)**

0

## C8.2g

**(C8.2g) Provide a breakdown of your non-fuel energy consumption by country.**

---

**Country/area**

Argentina

**Consumption of electricity (MWh)**

1,124.93

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

0

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

1,124.93

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Belgium

**Consumption of electricity (MWh)**

10,140.33

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

0

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

10,140.33

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Brazil

**Consumption of electricity (MWh)**

4,606.5

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

0

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

4,606.5

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Canada

**Consumption of electricity (MWh)**

2,541.55

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

0

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

2,541.55

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Chile

**Consumption of electricity (MWh)**

125.99

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

0

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

125.99

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

China

**Consumption of electricity (MWh)**

37,996.01

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

0

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

37,996.01

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Colombia

**Consumption of electricity (MWh)**

1,577.41

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

0

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

1,577.41

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Finland

**Consumption of electricity (MWh)**

1,232.25

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

0

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

1,232.25

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

France

**Consumption of electricity (MWh)**

9,951.34

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

0

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

9,951.34

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Germany

**Consumption of electricity (MWh)**

22,809.21

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

0

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

22,809.21

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Guatemala

**Consumption of electricity (MWh)**

831.4

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

0

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

831.4

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Hungary

**Consumption of electricity (MWh)**

2,652.48

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

0

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

2,652.48

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

India

**Consumption of electricity (MWh)**

7,995.02

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

0

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

7,995.02

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Indonesia

**Consumption of electricity (MWh)**

1,758.48

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

0

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

1,758.48

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Ireland

**Consumption of electricity (MWh)**

1,040.33

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

0

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

1,040.33

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Italy

**Consumption of electricity (MWh)**

21,403.06

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

0

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

21,403.06

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Luxembourg

**Consumption of electricity (MWh)**

221.63

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

0

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

221.63

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Malaysia

**Consumption of electricity (MWh)**

756.81

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

0

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

756.81

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Mexico

**Consumption of electricity (MWh)**

3,704.69

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

0

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

3,704.69

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Netherlands

**Consumption of electricity (MWh)**

303.51

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

0

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

303.51

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

New Zealand

**Consumption of electricity (MWh)**

1,985.56

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

0

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

1,985.56

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Pakistan

**Consumption of electricity (MWh)**

3,043.35

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

0

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

3,043.35

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Peru

**Consumption of electricity (MWh)**

186.28

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

0

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

186.28

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Poland

**Consumption of electricity (MWh)**

3,780.37

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

0

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

3,780.37

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Saudi Arabia

**Consumption of electricity (MWh)**

15,484.34

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

0

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

15,484.34

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Singapore

**Consumption of electricity (MWh)**

3,988.89

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

0

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

3,988.89

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

South Africa

**Consumption of electricity (MWh)**

1,123.7

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

0

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

1,123.7

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Spain

**Consumption of electricity (MWh)**

30,060.61

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

0

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

30,060.61

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Sweden

**Consumption of electricity (MWh)**

1,991.2

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

0

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

1,991.2

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Taiwan, China

**Consumption of electricity (MWh)**

6,649.6

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

0

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

6,649.6

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Thailand

**Consumption of electricity (MWh)**

9,104.56

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

0

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

9,104.56

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Turkey

**Consumption of electricity (MWh)**

7,140.36

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

0

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

7,140.36

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

United Kingdom of Great Britain and Northern Ireland

**Consumption of electricity (MWh)**

3,162.03

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

0

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

3,162.03

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

United States of America

**Consumption of electricity (MWh)**

121,324.83

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

0

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

121,324.83

**Is this consumption excluded from your RE100 commitment?**

No

---

**Country/area**

Viet Nam

**Consumption of electricity (MWh)**

668.98

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

0

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

668.98

**Is this consumption excluded from your RE100 commitment?**

No

## C8.2h

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

---

**Country/area of renewable electricity consumption**

Argentina

**Sourcing method**

Green electricity products from an energy supplier (e.g. Green Tariffs)

**Renewable electricity technology type**

Renewable electricity mix, please specify  
100% renewable

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

390

**Tracking instrument used**

Contract

**Total attribute instruments retained for consumption by your organization (MWh)**

390

**Country/area of origin (generation) of the renewable electricity/attribute consumed**

Argentina

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

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

2021

**Brand, label, or certification of the renewable electricity purchase**

No brand, label, or certification

**Comment**

---

**Country/area of renewable electricity consumption**

Belgium

**Sourcing method**

Unbundled Energy Attribute Certificate (EAC) purchase

**Renewable electricity technology type**

Renewable electricity mix, please specify  
100% renewable

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

4,111.8

**Tracking instrument used**

I-REC

**Total attribute instruments retained for consumption by your organization (MWh)**

4,111.8

**Country/area of origin (generation) of the renewable electricity/attribute consumed**

Belgium

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

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

2021

**Brand, label, or certification of the renewable electricity purchase**

No brand, label, or certification

**Comment**

---

**Country/area of renewable electricity consumption**

Germany

**Sourcing method**

Green electricity products from an energy supplier (e.g. Green Tariffs)

**Renewable electricity technology type**

Renewable electricity mix, please specify  
100% renewable

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

6,110.4

**Tracking instrument used**

Contract

**Total attribute instruments retained for consumption by your organization (MWh)**

6,110.4

**Country/area of origin (generation) of the renewable electricity/attribute consumed**

Germany

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

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

2021

**Brand, label, or certification of the renewable electricity purchase**

No brand, label, or certification

**Comment**

---

**Country/area of renewable electricity consumption**

Spain

**Sourcing method**

Green electricity products from an energy supplier (e.g. Green Tariffs)

**Renewable electricity technology type**

Renewable electricity mix, please specify  
100% renewable

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

14,516.4

**Tracking instrument used**

Contract

**Total attribute instruments retained for consumption by your organization (MWh)**

14,516.4

**Country/area of origin (generation) of the renewable electricity/attribute consumed**

Spain

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

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

2021

**Brand, label, or certification of the renewable electricity purchase**

No brand, label, or certification

**Comment**

---

**Country/area of renewable electricity consumption**

Sweden

**Sourcing method**

Green electricity products from an energy supplier (e.g. Green Tariffs)

**Renewable electricity technology type**

Renewable electricity mix, please specify  
100% renewable

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

1,991.2

**Tracking instrument used**

Contract

**Total attribute instruments retained for consumption by your organization (MWh)**

1,991.2

**Country/area of origin (generation) of the renewable electricity/attribute consumed**

Sweden

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

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

2021

**Brand, label, or certification of the renewable electricity purchase**

No brand, label, or certification

**Comment**

---

**Country/area of renewable electricity consumption**

Italy

**Sourcing method**

Unbundled Energy Attribute Certificate (EAC) purchase

**Renewable electricity technology type**

Renewable electricity mix, please specify  
100% renewable

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

21,403.1

**Tracking instrument used**

I-REC

**Total attribute instruments retained for consumption by your organization (MWh)**

21,403.1

**Country/area of origin (generation) of the renewable electricity/attribute consumed**

Italy

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

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

2021

**Brand, label, or certification of the renewable electricity purchase**

No brand, label, or certification

**Comment**

---

**Country/area of renewable electricity consumption**

United States of America

**Sourcing method**

Unbundled Energy Attribute Certificate (EAC) purchase

**Renewable electricity technology type**

Renewable electricity mix, please specify

100% renewable

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

100,008

**Tracking instrument used**

US-REC

**Total attribute instruments retained for consumption by your organization (MWh)**

100,008

**Country/area of origin (generation) of the renewable electricity/attribute consumed**

United States of America

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

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

2021

**Brand, label, or certification of the renewable electricity purchase**

Green-e

**Comment**

## C8.2j

**(C8.2j) Provide details of your organization's renewable electricity generation by country in the reporting year.**

---

**Country/area of generation**

Belgium

**Renewable electricity technology type**

Solar

**Facility capacity (MW)**

**Total renewable electricity generated by this facility in the reporting year (MWh)**

252.8

**Renewable electricity directly consumed by your organization from this facility in the reporting year for which certificates were not issued (MWh)**

0

**Renewable electricity directly consumed by your organization from this facility in the reporting year for which certificates were issued and retired (MWh)**

252.8

**Renewable electricity sold to the grid in the reporting year (MWh)**

0

**Certificates issued for the renewable electricity that was sold to the grid (MWh)**

0

**Certificates issued and retired for self-consumption for the renewable electricity that was sold to the grid (MWh)**

0

**Type of energy attribute certificate**

GO

**Total self-generation counted towards RE100 target (MWh) [Auto-calculated]**

252.8

**Comment**

---

**Country/area of generation**

Belgium

**Renewable electricity technology type**

Wind

**Facility capacity (MW)**

**Total renewable electricity generated by this facility in the reporting year (MWh)**

2,399.5

**Renewable electricity directly consumed by your organization from this facility in the reporting year for which certificates were not issued (MWh)**

0

**Renewable electricity directly consumed by your organization from this facility in the reporting year for which certificates were issued and retired (MWh)**

2,399.5

**Renewable electricity sold to the grid in the reporting year (MWh)**

0

**Certificates issued for the renewable electricity that was sold to the grid (MWh)**

0

**Certificates issued and retired for self-consumption for the renewable electricity that was sold to the grid (MWh)**

0

**Type of energy attribute certificate**

GO

**Total self-generation counted towards RE100 target (MWh) [Auto-calculated]**

2,399.5

**Comment**

## 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.**

Avient, through execution of Virtual Power Purchase Agreements (VPPA), has supported green energy additionality in the US and Europe. We continue to explore additional opportunities globally. Furthermore, we are considering partnering with suppliers and customers on VPPAs in regions where our electricity off-take is too low to warrant individual participation in VPPAs.

## C8.2l

**(C8.2l) In the reporting year, has your organization faced any challenges to sourcing renewable electricity?**

	Challenges to sourcing renewable electricity
Row 1	No

## C-CH8.3

**(C-CH8.3) Does your organization consume fuels as feedstocks for chemical production activities?**

No

## C9. Additional metrics

### C9.1

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

---

**Description**

Waste

**Metric value**

54.08

**Metric numerator**

Kg Waste

**Metric denominator (intensity metric only)**

per metric ton produced

**% change from previous year**

0.14

**Direction of change**

Decreased

**Please explain**

### C-CH9.3a

**(C-CH9.3a) Provide details on your organization's chemical products.**

---

**Output product**

Other, please specify

(Compounded Specialty Polymers (Avient compounds purchased products & does not manufacture base chemicals))

**Production (metric tons)**

489,962

**Capacity (metric tons)**

489,962

**Direct emissions intensity (metric tons CO<sub>2</sub>e per metric ton of product)**

0.2125

**Electricity intensity (MWh per metric ton of product)**

1.82

**Steam intensity (MWh per metric ton of product)**

0

**Steam/ heat recovered (MWh per metric ton of product)**

0

**Comment**

## C-CE9.6/C-CG9.6/C-CH9.6/C-CN9.6/C-CO9.6/C-EU9.6/C-MM9.6/C-OG9.6/C-RE9.6/C-ST9.6/C-TO9.6/C-TS9.6

(C-CE9.6/C-CG9.6/C-CH9.6/C-CN9.6/C-CO9.6/C-EU9.6/C-MM9.6/C-OG9.6/C-RE9.6/C-ST9.6/C-TO9.6/C-TS9.6) Does your organization invest in research and development (R&D) of low-carbon products or services related to your sector activities?

	Investment in low-carbon R&D	Comment
Row 1	Yes	As an element of our Sustainable Solutions product platform. See details in Opportunities section.

## C-CH9.6a

(C-CH9.6a) Provide details of your organization’s investments in low-carbon R&D for chemical production activities over the last three years.

Technology area	Stage of development in the reporting year	Average % of total R&D investment over the last 3 years	R&D investment figure in the reporting year (optional)	Comment
Product redesign	Applied research and development	≤20%		

## C10. Verification

### C10.1

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

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

## C10.1a

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

---

**Verification or assurance cycle in place**

Annual process

**Status in the current reporting year**

Complete

**Type of verification or assurance**

Limited assurance

**Attach the statement**

 AvientRY 2021 CDP Verification Opinion Declaration\_07-26-22r.pdf

**Page/ section reference**

1 - GHG Emissions Statement

**Relevant standard**

ISO14064-3

**Proportion of reported emissions verified (%)**

100

## C10.1b

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

---

**Scope 2 approach**

Scope 2 location-based

**Verification or assurance cycle in place**

Annual process

**Status in the current reporting year**

Complete

**Type of verification or assurance**

Limited assurance

**Attach the statement**

 AvientRY 2021 CDP Verification Opinion Declaration\_07-26-22r.pdf

**Page/ section reference**

1 - GHG Emissions Statement

**Relevant standard**

ISO14064-3

**Proportion of reported emissions verified (%)**

100

---

**Scope 2 approach**

Scope 2 market-based

**Verification or assurance cycle in place**

Annual process

**Status in the current reporting year**

Complete

**Type of verification or assurance**

Limited assurance

**Attach the statement**

 AvientRY 2021 CDP Verification Opinion Declaration\_07-26-22r.pdf

**Page/ section reference**

1 - GHG Emissions Statement

**Relevant standard**

ISO14064-3

**Proportion of reported emissions verified (%)**

100

## C10.1c

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

---

**Scope 3 category**

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

**Verification or assurance cycle in place**

Annual process

**Status in the current reporting year**

Complete

**Type of verification or assurance**

Limited assurance

**Attach the statement**

 AvientRY 2021 CDP Verification Opinion Declaration\_07-26-22r.pdf

**Page/section reference**

1 - GHG Emissions Statement

**Relevant standard**

ISO14064-3

**Proportion of reported emissions verified (%)**

17.5

## C10.2

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

Yes

## C10.2a

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

Disclosure module verification relates to	Data verified	Verification standard	Please explain
C8. Energy	Energy consumption	ISO14064-3	As part of our verification process for scope 1, scope 2, and pertinent Scope 3 categories, Avient also verified total energy consumption for all scope 1 and 2 sources.  1

 1 AvientRY 2021 CDP Verification Opinion Declaration\_07-26-22r.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)?**

No, but we anticipate being regulated in the next three years

### C11.1d

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

We will comply with the systems by which we are regulated by keeping up-to-date on existing and upcoming emissions trading schemes. Our policy group monitors shifting regulations to ensure Avient knows how, when, and if our country operations may be impacted. If we were to be regulated by a system, we would assess the impact of our current regional carbon reduction strategies and engage our supply chain to adapt to meet requirements. We expect that we may be regulated by a carbon pricing system in the EU beginning in 2024.

### C11.2

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

No

### C11.3

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

Yes

### C11.3a

**(C11.3a) Provide details of how your organization uses an internal price on carbon.**

---

#### **Objective for implementing an internal carbon price**

- Navigate GHG regulations
- Change internal behavior
- Drive energy efficiency
- Drive low-carbon investment
- Identify and seize low-carbon opportunities

#### **GHG Scope**

- Scope 1
- Scope 2
- Scope 3

**Application**

Capital investment, strategic decision-making on R&D activities, M&A activities

**Actual price(s) used (Currency /metric ton)**

**Variance of price(s) used**

Evolutionary pricing. The cost of carbon used by Avient to bolster the financial justification for sustainability initiatives will increase by ~3.7% annually between 2022 and 2030.

**Type of internal carbon price**

Shadow price

**Impact & implication**

Capital investment, strategic decision-making on R&D activities, M&A activities  
Global application, not sector or regional specific

## 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**

Information collection (understanding supplier behavior)

**Details of engagement**

Collect climate change and carbon information at least annually from suppliers

**% of suppliers by number**

22

**% total procurement spend (direct and indirect)**

52

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

**Rationale for the coverage of your engagement**

Beginning in 2020, Avient has partnered with EcoVadis assess the CSR position of its suppliers. To date, suppliers representing 52% of our annual spend have been assessed via the EcoVadis portal.

**Impact of engagement, including measures of success**

By 2030, to ensure alignment with Avient’s expectations on environmental, social and governance requirements, Avient will assess its top suppliers representing 90% of our total raw material costs.

**Comment**

**Type of engagement**

Other, please specify  
Code of conduct featuring climate change KPIs

**Details of engagement**

Other, please specify  
Code of conduct featuring climate change KPIs

**% of suppliers by number**

90

**% total procurement spend (direct and indirect)**

90

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

**Rationale for the coverage of your engagement**

The countries and communities where we operate, as well as the world at large, are impacted by our operations, our products, and our people. The breadth and impact of our operations coupled with our high ethical standards require us to pursue highly sustainable solutions. Part of the way that we’ve integrated those standards into our business is through our Supplier Code of Conduct that covers our entire supplier network. The main objective for our Supplier Code of Conduct communications is to help set expectations with our suppliers around economic, social, and environmental performance. All our suppliers go through a vendor approval process that incorporates the communication of this Supplier Code of Conduct and the majority of large suppliers are audited through a 3rd party partner.

Additionally, we are a UN Global Compact member, and have aligned our sustainability initiatives with UN SDG’s. Our focus is on supporting UN SDG’s 3, 7, 9, 12, and 13.

**Impact of engagement, including measures of success**

Avient has set the following goal and measures the success of our engagement with suppliers against this goal: By 2030, to ensure alignment with Avient’s expectations on

environmental, social and governance requirements, Avient will assess its top suppliers representing 90% of our total raw material costs.

**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**

0

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

We enable our customers' sustainability goals through material science. We have eight primary ways to do this, by combining our material science expertise with the inherent sustainable benefits of polymers: light-weighting, reduced energy use, volatile organic compound reduction, recyclable solutions, biopolymers, eco-conscious sustainable infrastructure and human health and safety.

The 8 ways in which we enable our customers sustainability goals support our efforts to lower carbon footprint. We take 3 strategies to enable our customers to lower their carbon footprint:

Reduce the carbon footprint of the polymer

- Enable expanded use of recycled content
- Expand product portfolio to include more bio/renewable-based resources
- Enable the use of more carbon-efficient alternatives

Reduce the carbon impact during end-use

- Lightweighting
- Leverage design expertise to drive product efficiencies

Improve the recycling process

- Upgrade downcycled material to a higher quality level
- Stabilize the polymers in the recycling process

Our products and their impact can be found making a positive difference in nearly every industry such as:

- Delivering light-weighting benefits in rail, auto, and aerospace to improve fuel efficiency

- Extending shelf-life and recyclability of food and beverage packaging to reduce spoilage and waste
- Advancing healthcare innovation of medical devices with materials that enable disinfection as well as minimize the spread of infection
- In addition, specialized polymer and composite solutions are also helping ensure that customers' sustainable products come to life, as Avient materials can be used in the design of innovative renewable technologies such as wind turbines and solar panels. Because of the broad base of positive impact engagement with our customers can have, we have structured our engagement to include all of our customers.

### **Impact of engagement, including measures of success**

Avient began tracking Sustainable Solutions portfolio's success in 2012. In 2021, our sustainable solutions portfolio grew by over 16% over the prior year (compared to our overall corporate growth of 12% annually). Part of this increase in revenue is directly related to the way we're engaging with our customers to further understand the value of this portfolio, particularly in terms of climate-change impacts. Our goal (and indication of success) is to deliver cumulative annual revenue growth from our Sustainable Solutions portfolio of 8-12% by 2030 with 2020 as a baseline. We expect that revenue from this portfolio will continue to grow as our specialization efforts mature.

## **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**

Complying with regulatory requirements

#### **Description of this climate related requirement**

Avient's value extends not only to consumers through specialty products, but beyond the boundaries of our own processes and operations. Strong, transparent relationships with suppliers are key to our success.

Our Supplier Code of Conduct drives interactions with our suppliers and expectations for doing business. Our Supplier Code of Conduct is aligned more closely with International Labor Organization (ILO) standards. It includes requirements for child and forced labor, the right to collective bargaining, non-discrimination, employee health and safety, conflict minerals OECD due diligence and ethical treatment of the environment. All of our suppliers must sign our Supplier Code of Conduct.

In addition, our ColorMatrix Europe business continues to adhere to our established policy and supplier audit program on human trafficking. None of our ColorMatrix suppliers have been found to engage in human trafficking during this reporting period.

**% 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 scorecard or rating

**Response to supplier non-compliance with this climate-related requirement**

Exclude

**Climate-related requirement**

Climate-related disclosure through a public platform

**Description of this climate related requirement**

Avient has set a goal to, by 2030, assess our top suppliers representing 90% of our total raw material costs to ensure alignment with our expectations on environmental, social, and governance requirements. As of the end of 2021, 52% of our top suppliers have been assessed. Avient continues to partner with EcoVadis to evaluate our prioritized suppliers. 70% of these suppliers reported a Silver rating or above in their overall scorecard evaluation. We are targeting 60% of our total direct spend as a 2022 interim milestone toward our 2030 Sustainability Goal of 90%.

**% 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 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

**Direct or indirect engagement that could influence policy, law, or regulation that may impact the climate**

Yes, we engage indirectly through trade associations

Yes, we engage indirectly by funding other organizations whose activities may influence policy, law, or regulation that may significantly 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)**

 Avient 2021 Sustainability Report 7-26-22.pdf

**Describe the process(es) your organization has in place to ensure that your engagement activities are consistent with your overall climate change strategy**

At Avient, we understand that it's important to ensure that our activities that influence policy are also consistent with our overall climate change strategy. Therefore, we have established a group of leaders that have insight across our broader business functions, including our policy group, that are directly responsible with management of climate-related strategies. By creating this nexus point, we ensure that these two groups have the opportunity to collaborate and ensure consistency.

Additionally, the VP of Sustainability works up through the Board of Directors and down through the organization via the Sustainability Council to ensure that our policy action and climate-change strategy are aligned and consistent.

## C12.3b

**(C12.3b) Provide details of the trade associations your organization engages with which are likely to take a position on any policy, law or regulation that may impact the climate.**

**Trade association**

American Chemistry Council

**Is your organization's position on climate change consistent with theirs?**

Consistent

**Has your organization influenced, or is your organization attempting to influence their position?**

We are not attempting to influence their position

**State the trade association's position on climate change, explain where your organization's position differs, and how you are attempting to influence their position (if applicable)**

The American Chemistry Council (ACC) recognizes that the industry must work together to develop effective solutions that will reduce GHG emissions. The ACC welcomes the U.S.'s recommitment to the Paris Climate Agreement. It also supports legislation to increase government investment and scientific resources to develop and deploy low emissions technologies in the manufacturing sector; adopt transparent, predictable, technology- and revenue neutral, market-based, economy-wide carbon price signals; and encourage adoption of emissions-avoiding solutions and technologies throughout the economy to achieve significant emissions savings.

Avient is fully aligned with the ACC's position on climate.

**Funding figure your organization provided to this trade association in the reporting year, if applicable (currency as selected in C0.4) (optional)**

**Describe the aim of your organization's funding**

**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

---

**Trade association**

Other, please specify

United Nations Global Compact (UNGC)

**Is your organization's position on climate change consistent with theirs?**

Consistent

**Has your organization influenced, or is your organization attempting to influence their position?**

We are not attempting to influence their position

**State the trade association's position on climate change, explain where your organization's position differs, and how you are attempting to influence their position (if applicable)**

Avient believes in and supports the UNGC's mission that states that a global movement of sustainable companies and stakeholders can mobilize together to do business responsibly by aligning their strategies and operations with UNGC's Ten Principles on human rights, labor, environment, and anti-corruption, as well as the UN Sustainable Development Goals, with an emphasis on collaboration and innovation.

**Funding figure your organization provided to this trade association in the reporting year, if applicable (currency as selected in C0.4) (optional)**

**Describe the aim of your organization's funding**

**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

## C12.3c

**(C12.3c) Provide details of the funding you provided to other organizations in the reporting year whose activities could influence policy, law, or regulation that may impact the climate.**

---

**Type of organization**

Non-Governmental Organization (NGO) or charitable organization

**State the organization to which you provided funding**

Alliance to End Plastic Waste

**Funding figure your organization provided to this organization in the reporting year (currency as selected in C0.4)**

1,000,000

**Describe the aim of this funding and how it could influence policy, law or regulation that may impact the climate**

Avient was a founding member of the Alliance to End Plastic Waste. The Alliance aims to end plastic waste in the environment. The organization brings together a diverse network of resources and expertise to create and scale innovative solutions around the world. Avient will collaborate to develop and implement solutions to end plastic waste with approximately 90 members across the value chain. The Alliance will invest \$1.5 billion over five years in innovation, infrastructure, education and clean-up. Alliance-related projects in flight in 2021 are estimated to achieve 21 KTA of plastic waste diverted from the environment and 27 KTA of plastic waste recycled.

**Have you evaluated whether this funding is aligned with the goals of the Paris Agreement?**

Yes, we have evaluated, and it is aligned

## 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

 Avient 2022 Proxy Statement.pdf

### Page/Section reference

Pg. 4, 30

### Content elements

Governance  
Strategy  
Emissions figures  
Emission targets

### Comment

2022 Annual Proxy Statement

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### Publication

In voluntary sustainability report

### Status

Complete

### Attach the document

 Avient 2022 Proxy Statement.pdf

### Page/Section reference

About us, Planet, Performance, Metrics and Index sections

### Content elements

Governance  
Strategy  
Risks & opportunities  
Emissions figures

Emission targets

**Comment**

CSR report

**Publication**

Other, please specify  
EcoVadis report

**Status**

Complete

**Attach the document**

 2022 EcoVadis Questionnaire\_Avient.pdf

**Page/Section reference**

Pgs. 1-83

**Content elements**

- Governance
- Strategy
- Risks & opportunities
- Emissions figures
- Emission targets

**Comment**

EcoVadis report

## C15. Biodiversity

### C15.1

**(C15.1) Is there board-level oversight and/or executive management-level responsibility for biodiversity-related issues within your organization?**

	<b>Board-level oversight and/or executive management-level responsibility for biodiversity-related issues</b>	<b>Description of oversight and objectives relating to biodiversity</b>
Row 1	Yes, both board-level oversight and executive management-level responsibility	<p>Biodiversity is mentioned in Avient's environmental policy, which has been approved by our CEO who has been a member of Avient's Board of Directors since 2014.</p> <p>The vast majority of Avient sites are generally comparably smaller scale and located in urban or suburban areas. As</p>

		such, we manage biodiversity responsibly, and in accordance with applicable laws, but the topic does not reach the threshold of materiality compared with other operational areas.
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## 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	Initiatives endorsed
Row 1	Yes, we have endorsed initiatives only	SDG

## C15.3

**(C15.3) Does your organization assess the impact of its value chain on biodiversity?**

	Does your organization assess the impact of its value chain on biodiversity?
Row 1	No, but we plan to assess biodiversity-related impacts within the next two years

## C15.4

**(C15.4) 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	Yes, we are taking actions to progress our biodiversity-related commitments	Land/water protection Education & awareness Livelihood, economic & other incentives

## C15.5

**(C15.5) 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	Other, please specify No indicators are used at this time

## C15.6

**(C15.6) 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
In voluntary sustainability report or other voluntary communications	Impacts on biodiversity	

## 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.**

### 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	VP Sustainability	Chief Sustainability Officer (CSO)

## SC. Supply chain module

### SC0.0

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

Headquartered in Avon Lake, Ohio, USA, with world-wide operations encompassing more than 120 facilities and employing approximately 8,700 associates, Avient (formerly PolyOne) Corporation, is a premier provider of specialized sustainable material. The company is dedicated to serving customers in diverse industries around the globe, by creating value through collaboration, innovation and an unwavering commitment to excellence. Guided by its Core Values, Sustainability Promise and No Surprises Pledge, Avient is an ACC Responsible Care® and Great Place to Work® certified company and a founding member of the Alliance to End Plastic Waste. The company is committed to its customers, employees, communities and shareholders through ethical, sustainable and fiscally responsible principles.

As one of the world's leading specialty polymer materials, services and solution companies, Avient contributes to value creation with innovative and sustainable solutions for customers from many industries. Through collaboration, innovation and excellence, our product portfolio is designed to ensure our customer's success. Additionally, our research and development is focused on finding innovative solutions to many of the key challenges facing society today. These include energy efficiency, renewable raw materials, light weighting and conserving natural resources.

We aim to create a world-class sustainable organization through continual improvement in the four cornerstones of our commitment to Sustainability:

- People – by keeping safety first, then hiring and developing our global team to then deliver to our customers with ethics and integrity
- Products – by innovating material solutions and services that help our customers meet their product and sustainability goals
- Planet – by conducting operations that minimize impact to the environment and natural resources, while committing to helping areas and communities that are distressed or undeserved.
- Performance – by delivering growth and value creation for all our stakeholders.

As a leading company in the field of specialty polymer materials, services and solutions, Avient does not limit itself to simply complying with the legal requirements, but also takes part in a variety of voluntary sustainability programs, including commitments to the Responsible Care® principles, Alliance to End Plastic Waste, Operation Clean Sweep® as well as self-initiated commitments such as its Code of Conduct and Code of Supplier Conduct.

In all of its activities, Avient puts high emphasis on environmental protection and safety. The company's internal standards and management systems on environment, health and safety are certified to the Responsible Care Management System. In addition, Avient has externally certified EHS&S management systems, including ISO 9001 worldwide. Additionally, 52% of our facilities are certified to ISO 14001, 56% to Responsible Care 14001 and ISO 45001, and 10% of our high energy sites are certified to ISO 50001. Each production facility adheres vigorously to the company's global standards that ensure safe and environmentally friendly operations. In Avient's product portfolio, clear sustainability criteria were established and are marketed as Sustainable Solutions based upon the FTC's Guidelines for the Use of Environmental Marketing Claims. These guides, developed by the Federal Trade Commission, consist of general principles and specific guidance on the use of particular environmental claims. Products that are renewable, re-usable, recyclable, have an eco-conscious composition, or meet resource efficiency guidelines fall within this category. On this basis, company products and solutions are reviewed and classified in terms of their sustainability performance. Upon this, measures can be built for strategic decision-making in investments on product development as well as communication.

Avient has defined our Sustainability Portfolio in the eight ways we help our customers meet their innovation and sustainability goals through material science. In 2020, we updated our applications and revenue to better represent how we enable our customers' sustainability goals, as well reflect the sustainable technologies of recently acquired Clariant Masterbatch business. This portfolio has grown over 2.5 times since 2016, and the megatrends of the future indicate continued growth and demand. In fact, in 2021 approximately 64% of the revenue generated from sustainable solutions came from products designed for resource conservation. As the world continues to shift from operating in a linear economy to a circular economy, Avient is proud to be a part of the solution. Through our design expertise and material science, we

help our customers reduce material usage, enable recycle solutions, improve physical performance and reuse potential of recycled materials. Avient also recently announced a 2030 sustainability goal to reach 100% of our materials for the packaging market to be recyclable or reusable.

## SC0.1

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

	Annual Revenue
Row 1	4,800,000,000

## SC1.1

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

**Requesting member**

Colgate Palmolive Company

**Scope of emissions**

Scope 1

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO2e**

89.96

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

5,349,515

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Colgate Palmolive Company divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 1 emissions to identify the contribution.

---

**Requesting member**

Colgate Palmolive Company

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

662.93

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

5,349,515

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Colgate Palmolive Company divided by total production volume was used as a percentage. This was multiplied by Avient's total location-based scope 2 emissions to identify the contribution.

---

**Requesting member**

Colgate Palmolive Company

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

424.16

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

5,349,515

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Colgate Palmolive Company divided by total production volume was used as a percentage. This was multiplied by Avient's total market-based scope 2 emissions to identify the contribution.

---

**Requesting member**

Colgate Palmolive Company

**Scope of emissions**

Scope 3

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

10,480.62

**Uncertainty (±%)**

10

**Major sources of emissions**

Purchased goods and services, downstream transportation and distribution

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

5,349,515

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Colgate Palmolive Company divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 3 emissions to identify the contribution.

---

**Requesting member**

Electrolux

**Scope of emissions**

Scope 1

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

71.87

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

4,274,047

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Electrolux divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 1 emissions to identify the contribution.

---

**Requesting member**

Electrolux

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

529.65

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

4,274,047

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Electrolux divided by total production volume was used as a percentage. This was multiplied by Avient's total location-based scope 2 emissions to identify the contribution.

---

**Requesting member**

Electrolux

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

338.88

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

4,274,047

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Electrolux divided by total production volume was used as a percentage. This was multiplied by Avient's total market-based scope 2 emissions to identify the contribution.

---

**Requesting member**

Electrolux

**Scope of emissions**

Scope 3

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

8,373.59

**Uncertainty (±%)**

10

**Major sources of emissions**

Purchased goods and services, downstream transportation and distribution

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

4,274,047

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Electrolux divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 3 emissions to identify the contribution.

---

**Requesting member**

Faurecia

**Scope of emissions**

Scope 1

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

10.04

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

596,840

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Faurecia divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 1 emissions to identify the contribution.

---

**Requesting member**

Faurecia

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

73.96

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

596,840

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Faurecia divided by total production volume was used as a percentage. This was multiplied by Avient's total location-based scope 2 emissions to identify the contribution.

---

**Requesting member**

Faurecia

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

47.32

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

596,840

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Faurecia divided by total production volume was used as a percentage. This was multiplied by Avient's total market-based scope 2 emissions to identify the contribution.

---

**Requesting member**

Faurecia

**Scope of emissions**

Scope 3

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

1,169.31

**Uncertainty (±%)**

10

**Major sources of emissions**

Purchased goods and services, downstream transportation and distribution

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

596,840

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Faurecia divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 3 emissions to identify the contribution.

---

**Requesting member**

Flex Ltd.

**Scope of emissions**

Scope 1

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

1.84

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

109,488

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Flex Ltd. divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 1 emissions to identify the contribution.

**Requesting member**

Flex Ltd.

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO2e**

13.57

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

109,488

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Flex Ltd. divided by total production volume was used as a percentage. This was multiplied by Avient's total location-based scope 2 emissions to identify the contribution.

---

**Requesting member**

Flex Ltd.

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

8.68

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

109,488

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Flex Ltd. divided by total production volume was used as a percentage. This was multiplied by Avient's total market-based scope 2 emissions to identify the contribution.

---

**Requesting member**

Flex Ltd.

**Scope of emissions**

Scope 3

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

214.51

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

109,488

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Flex Ltd. divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 3 emissions to identify the contribution.

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**Requesting member**

HP Inc

**Scope of emissions**

Scope 1

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

142.3

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

8,462,155

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for HP Inc divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 1 emissions to identify the contribution.

---

**Requesting member**

HP Inc

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

1,048.66

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

8,462,155

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for HP Inc divided by total production volume was used as a percentage. This was multiplied by Avient's total location-based scope 2 emissions to identify the contribution.

---

**Requesting member**

HP Inc

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

670.95

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the energy content of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

8,462,155

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for HP Inc divided by total production volume was used as a percentage. This was multiplied by Avient's total market-based scope 2 emissions to identify the contribution.

---

**Requesting member**

HP Inc

**Scope of emissions**

Scope 3

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

16,578.82

**Uncertainty (±%)**

10

**Major sources of emissions**

Purchased goods and services, downstream transportation and distribution

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

8,462,155

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for HP Inc divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 3 emissions to identify the contribution.

---

**Requesting member**

Husqvarna AB

**Scope of emissions**

Scope 1

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

7.6

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

451,801

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Husqvarna AB divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 1 emissions to identify the contribution.

---

**Requesting member**

Husqvarna AB

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

55.99

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

451,801

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Husqvarna AB divided by total production volume was used as a percentage. This was multiplied by Avient's total location-based scope 2 emissions to identify the contribution.

---

**Requesting member**

Husqvarna AB

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

35.82

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

451,801

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Husqvarna AB divided by total production volume was used as a percentage. This was multiplied by Avient's total market-based scope 2 emissions to identify the contribution.

---

**Requesting member**

Husqvarna AB

**Scope of emissions**

Scope 3

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

885.16

**Uncertainty (±%)**

10

**Major sources of emissions**

Purchased goods and services, downstream transportation and distribution

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

451,801

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Husqvarna AB divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 3 emissions to identify the contribution.

---

**Requesting member**

KAUTEX TEXTRON GMBH & CO. KG

**Scope of emissions**

Scope 1

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

3.51

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

208,877

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Kautex Textron GMBH & CO.KG divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 1 emissions to identify the contribution.

---

**Requesting member**

KAUTEX TEXTRON GMBH & CO. KG

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

25.88

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

208,877

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Kautex Textron GMBH & CO.KG divided by total production volume was used as a percentage. This was multiplied by Avient's total location-based scope 2 emissions to identify the contribution.

---

**Requesting member**

KAUTEX TEXTRON GMBH & CO. KG

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

16.56

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

208,877

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Kautex Textron GMBH & CO.KG divided by total production volume was used as a percentage. This was multiplied by Avient's total market-based scope 2 emissions to identify the contribution.

---

**Requesting member**

KAUTEX TEXTRON GMBH & CO. KG

**Scope of emissions**

Scope 3

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

409.23

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

208,877

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Kautex Textron GMBH & CO.KG divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 3 emissions to identify the contribution.

---

**Requesting member**

The LEGO Group

**Scope of emissions**

Scope 1

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

96

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

5,709,193

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for The Lego Group divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 1 emissions to identify the contribution.

---

**Requesting member**

The LEGO Group

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

707.5

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

5,709,193

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for The Lego Group divided by total production volume was used as a percentage. This was multiplied by Avient's total location-based scope 2 emissions to identify the contribution.

---

**Requesting member**

The LEGO Group

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

452.67

**Uncertainty (±%)**

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

5,709,193

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for the Lego Group divided by total production volume was used as a percentage. This was multiplied by Avient's total market-based scope 2 emissions to identify the contribution.

---

**Requesting member**

The LEGO Group

**Scope of emissions**

Scope 3

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

11,185.29

**Uncertainty (±%)**

10

**Major sources of emissions**

Purchased goods and services, downstream transportation and distribution

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

5,709,193

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for The Lego Group divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 3 emissions to identify the contribution.

---

**Requesting member**

Koninklijke Philips NV

**Scope of emissions**

Scope 1

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

34.86

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

2,072,971

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Koninklijke Philips NV divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 1 emissions to identify the contribution.

---

**Requesting member**

Koninklijke Philips NV

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

256.89

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

2,072,971

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Koninklijke Philips NV divided by total production volume was used as a percentage. This was multiplied by Avient's total location-based scope 2 emissions to identify the contribution.

---

**Requesting member**

Koninklijke Philips NV

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

164.36

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

**Market value or quantity of goods/services supplied to the requesting member**

2,072,971

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Koninklijke Philips NV divided by total production volume was used as a percentage. This was multiplied by Avient's total market-based scope 2 emissions to identify the contribution.

---

**Requesting member**

Koninklijke Philips NV

**Scope of emissions**

Scope 3

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

4,061.31

**Uncertainty (±%)**

10

**Major sources of emissions**

Purchased goods and services, downstream transportation and distribution

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

2,072,971

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Koninklijke Philips NV divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 3 emissions to identify the contribution.

---

**Requesting member**

Prysmian SpA

**Scope of emissions**

Scope 1

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

118.96

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

7,074,423

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Prysmian SpA divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 1 emissions to identify the contribution.

---

**Requesting member**

Prysmian SpA

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

876.68

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

7,074,423

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Prysmian SpA divided by total production volume was used as a percentage. This was multiplied by Avient's total location-based scope 2 emissions to identify the contribution.

**Requesting member**

Prysmian SpA

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

560.92

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

7,074,423

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Prysmian SpA divided by total production volume was used as a percentage. This was multiplied by Avient's total market-based scope 2 emissions to identify the contribution.

---

**Requesting member**

Prysmian SpA

**Scope of emissions**

Scope 3

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

13,860.01

**Uncertainty (±%)**

10

**Major sources of emissions**

Purchased goods and services, downstream transportation and distribution

**Verified**

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

7,074,423

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Prysmian SpA divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 3 emissions to identify the contribution.

---

**Requesting member**

Stanley Black & Decker, Inc.

**Scope of emissions**

Scope 1

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

28.32

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

1,683,986

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Stanley Black & Decker, Inc divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 1 emissions to identify the contribution.

---

**Requesting member**

Stanley Black & Decker, Inc.

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

208.68

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

1,683,986

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Stanley Black & Decker, Inc divided by total production volume was used as a percentage. This was multiplied by Avient's total location-based scope 2 emissions to identify the contribution.

---

**Requesting member**

Stanley Black & Decker, Inc.

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

133.52

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

1,683,986

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Stanley Black & Decker, Inc divided by total production volume was used as a percentage. This was multiplied by Avient's total market-based scope 2 emissions to identify the contribution.

---

**Requesting member**

Stanley Black & Decker, Inc.

**Scope of emissions**

Scope 3

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

3,299.22

**Uncertainty (±%)**

10

**Major sources of emissions**

Purchased goods and services, downstream transportation and distribution

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

1,683,986

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Stanley Black & Decker, Inc divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 3 emissions to identify the contribution.

---

**Requesting member**

Zimmer Biomet Holdings, Inc.

**Scope of emissions**

Scope 1

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

19.87

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

1,181,875

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Zimmer Biomet Holdings, Inc divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 1 emissions to identify the contribution.

---

**Requesting member**

Zimmer Biomet Holdings, Inc.

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

146.46

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

1,181,875

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Zimmer Biomet Holdings, Inc divided by total production volume was used as a percentage. This was multiplied by Avient's total location-based scope 2 emissions to identify the contribution.

---

**Requesting member**

Zimmer Biomet Holdings, Inc.

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

93.71

**Uncertainty (±%)**

10

**Major sources of emissions**

**Verified**

Yes

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

1,181,875

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Zimmer Biomet Holdings, Inc divided by total production volume was used as a percentage. This was multiplied by Avient's total market-based scope 2 emissions to identify the contribution.

---

**Requesting member**

Zimmer Biomet Holdings, Inc.

**Scope of emissions**

Scope 3

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

2,315.5

**Uncertainty (±%)**

10

**Major sources of emissions**

Purchased goods and services, downstream transportation and distribution

**Verified**

**Allocation method**

Allocation based on the volume of products purchased

**Market value or quantity of goods/services supplied to the requesting member**

1,181,875

**Unit for market value or quantity of goods/services supplied**

Pounds (lb)

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

The volume produced for Zimmer Biomet Holdings, Inc divided by total production volume was used as a percentage. This was multiplied by Avient's total scope 3 emissions to identify the contribution.

**SC1.2**

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

- DEFRA version: 2021 v 1.0
- DEFRA - Waste disposal - Refuse - Commercial and industrial waste - Combustion
- DEFRA - Waste disposal - Refuse - Commercial and industrial waste - Landfill
- DEFRA - Waste disposal - Refuse - Commercial and industrial waste - Closed-loop
- DEFRA – Business travel – air – Flights - Short-haul – Economy class
- DEFRA – Business travel – air – Flights - Short-haul – Business class
- DEFRA – Business travel – air – Flights - Long-haul – Economy class
- DEFRA – Business travel – air – Flights - Long-haul – Premium economy class
- DEFRA – Business travel – air – Flights - Long-haul – Business class
- DEFRA – Business travel – land – Cars (by size) – Average car – Petrol
- Truck freight: DEFRA - Freightng goods - HGV (all diesel) - All HGVs – Average laden
- Sea Freight: DEFRA - Freightng goods – Cargo ship – General cargo – Average
- Air Freight: DEFRA - Freightng goods – Freight flights – Domestic
- Air Freight: DEFRA - Freightng goods – Freight flights – Short-haul
- Air Freight: DEFRA - Freightng goods – Freight flights – Long-haul

**SC1.3**

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

Allocation challenges	Please explain what would help you overcome these challenges
Diversity of product lines makes accurately accounting for each product/product line cost ineffective	Line level metering of electricity and natural gas use.

<p>Managing the different emission factors of diverse and numerous geographies makes calculating total footprint difficult</p>	<p>Globalized standard emission factors.</p>
--	--

## SC1.4

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

Yes

### SC1.4a

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

Avient plans to track energy use and production volume at the manufacturing line level.

## SC2.1

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

### Requesting member

The LEGO Group

### Group type of project

Change to provision of goods and services

### Type of project

Other, please specify

Greener Formulations

### Emissions targeted

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

### Estimated timeframe for carbon reductions to be realized

1-3 years

### Estimated lifetime CO2e savings

### Estimated payback

Cost/saving neutral

### Details of proposal

Any formulations that support improved recycling, improved processing, or waste minimization.

## SC2.2

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

Yes

### SC2.2a

**(SC2.2a) Specify the requesting member(s) that have driven organizational-level emissions reduction initiatives, and provide information on the initiatives.**

---

**Requesting member**

The LEGO Group

**Initiative ID**

**Group type of project**

Relationship sustainability assessment

**Type of project**

Aligning goals to feed into customers targets and ambitions

**Description of the reduction initiative**

Engage-to-Reduce

**Emissions reduction for the reporting year in metric tons of CO<sub>2</sub>e**

3,730.77

**Would you be happy for CDP supply chain members to highlight this work in their external communication?**

## SC4.1

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

No, I am not providing data

## Submit your response

**In which language are you submitting your response?**

English

**Please confirm how your response should be handled by CDP**

	<b>I understand that my response will be shared with all requesting stakeholders</b>	<b>Response permission</b>
Please select your submission options	Yes	Public

**Please confirm below**