

ESG Disclosure for Investors

In an effort to provide comprehensive and transparent information regarding environmental, social and governance (ESG) matters, Cascades now makes additional data available to investors and the public concerning a number of indicators recommended by the Sustainability Accounting Standards Board (SASB).



To learn more about SASB, go to:
www.sasb.org

For more information on Cascades' 2021-2025 Sustainability Action Plan, please visit
cascades.com/en/sustainable-development



Reference: Sustainable Industry Classification System® (SICS®)
 RT-CP - Containers & Packaging

SASB Standards provide a guideline to the disclosure of material financial information on sustainable development for 77 industries, including Containers & Packaging. As of August 1, 2022, the Value Reporting Foundation, home of SASB, was integrated into the IFRS Foundation, which created the first International Sustainability Standards Board (ISSB). SASB is now under the supervision of the ISSB, which encourages companies and investors to use SASB until they transition to the IFRS Sustainability Disclosure Standards.

Scope of the data below: All plants and entities in North America over which we have operational control and which are consolidated in the financial statements. Inclusions and exclusions are specified.

TABLE 1: DISCLOSURE TOPICS AND ACCOUNTING METRICS

Greenhouse Gas Emissions	2022	2021	Code
Gross global Scope 1 emissions (metric tons [MT] of CO ₂ e)	471,154	469,832	RT-CP-110a.1
	Includes emissions from manufacturing, converting and other activities (Air Cascades, Cascades Transport, Cascades Recovery, company vehicles).		
Percentage covered under emissions-limiting regulations	47%	35%	RT-CP-110a.1
	Seven manufacturing plants are subject to regulatory reporting of their emissions. 6 plants reported in 2021.		
Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions-reduction targets and an analysis of performance against those targets	Cascades is committed to reducing its greenhouse gas emissions in accordance with the recommendations of the Science Based Targets initiative (SBTi). Reduction targets have been set for Scope 1, 2 and 3 and were approved by the organization in July 2021. Among the actions identified to achieve the goals: energy efficiency projects led by our internal energy experts and operational efficiency teams, as well as the transition to cleaner technologies.		RT-CP-110a.2
Air Quality	2022	2021	Code
Air emissions for the following pollutants:			RT-CP-120a.1
(1) NO _x (excluding N ₂ O)	598 MT	574 MT	
(2) SO _x	381 MT	291 MT	
(3) Volatile organic compounds (VOCs)	1,208 MT	1,253 MT	
(4) Particulate matter (PM)	51 MT	35 MT	
	Includes emissions from manufacturing activities.		

Energy Management	2022	2021	Code
(1) Total energy consumed (gigajoules [GJ])	20,137,805	20,386,991	RT-CP-130a.1
	Includes energy consumption of manufacturing and converting activities. Includes self-generated energy.		
(2) Percentage of total energy consumed from grid electricity	29%	28%	RT-CP-130a.1
	58% of the electricity purchased by Cascades to power its operations is from renewable sources.		
(3) Percentage of total energy consumed from renewable sources	11%	12%	RT-CP-130a.1
	Includes black liquor, mixed sludge, biomass and biogas used at Cascades Containerboard Packaging plant in Cabano and Cascades Moulded Pulp plant in Indiana. Excludes the grid electricity portion.		
(4) Total self-generated energy (gigajoules [GJ])	611,099	653,242	RT-CP-130a.1
	Energy from two on-site sources (black liquor and mixed sludge) at Cascades Containerboard Packaging plant in Cabano.		
Water Management	2022	2021	Code
(1) Total water withdrawn (cubic meters [m ³])	<i>Data not currently tracked</i>		RT-CP-140a.1
(2) Total water consumed (cubic meters [m ³])	1,930,000 ¹	1,975,000 ¹	RT-CP-140a.1
Percentage of each in regions with High and Extremely High Baseline Water Stress ²	The only Cascades manufacturing plant located in an area with high water stress is the Clarion, Iowa moulded pulp plant. However, this plant manages its water through a 100% closed-loop process.		RT-CP-140a.1
Description of water management risks and discussion of strategies and practices to mitigate these risks	Thanks to Cascades' processes, procedures and meticulous management of the resource, Cascades uses 4.3 times less water to manufacture its products than the North American average for the pulp and paper industry ³ . Since none of the company's plants pose a high water management risk, Cascades' strategies are currently focused on monitoring the situation (water availability, costs, regulations, etc.). The company takes this issue seriously and is well aware that due to climate change, water stress and risk levels are expected to increase in some parts of North America.		RT-CP-140a.2
Number of incidents of non-compliance associated with water quality permits, standards and regulations	1	3	RT-CP-140a.3

¹ Data estimated from the production of the manufacturing plants.

² Source: Aqueduct Water Risk Atlas, World Resources Institute (WRI), 2022. See the location of Cascades plants here: www.cascades.com/en/about-us/our-company/cascades-worldwide

³ Source: FisherSolve™ Next Report. Water, Energy & Carbon Emissions, Pulp & Paper Mills in North America, 2022.

Waste Management	2022	2021	Code
Amount of hazardous waster generated (metric tons [MT])	Data incomplete	940	RT-CP-150a.1
	Data incomplete in 2022 and estimated in 2021.		
Percentage of hazardous waste recycled	<i>Data not currently tracked</i>		RT-CP-150a.1
Product Safety	2022	2021	Code
Number of recalls issued	No product recalled.	No product recalled.	RT-CP-250a.1
Total units recalled	No product recalled.	No product recalled.	RT-CP-250a.1
Discussion of process to identify and manage emerging materials and chemicals of concern	Cascades monitors the ingredients and chemicals used to produce its products and in its manufacturing processes. Dedicated in-house teams ensure good governance.		RT-CP-250a.2
Product Lifecycle Management	2022	2021	Code
Percentage of raw materials from: (1) recycled content (2) renewable resources (3) renewable and recycled content	74.1% 99.0% 99.4%	77.0% 99.0% 99.7%	RT-CP-410a.1
Revenue from reusable, recyclable and/or compostable products	CAD 2,946 M\$	CAD 2,450 M\$	RT-CP-410a.2
	Excludes hygiene products.		
Discussion of strategies to reduce the environmental impact of packaging throughout its lifecycle	Cascades integrates eco-design principles in the manufacturing of its products. It also ensures that the level of impact at each stage of the life cycle is well understood and that appropriate action plans are put in place. To learn about these principles, see cascades.com/en/sustainable-development .		RT-CP-410a.3
Supply Chain Management	2022	2021	Code
Total wood fibre procured (metric tons [MT]) Percentage from certified sources	474,532 100%	367,115 100%	RT-CP-430a.1
Total aluminium purchased (metric tons [MT]) Percentage from certified sources	Not applicable	Not applicable	RT-CP-430a.2

TABLE 2: ACTIVITY METRICS

Production	2022	2021	Code
Production quantity per substrate (metric tons [MT]) (1) Paper/wood (2) Glass (3) Metal (4) Plastic	2,024,193 0 0 23,568	2,175,116 0 0 24,211	RT-CP-000.A
Percentage of revenue per substrate (1) Paper/wood (2) Glass (3) Metal (4) Plastic	96% 0% 0% 4%	96% 0% 0% 4%	RT-CP-000.B
Total number of employees	10,176	9,673	RT-CP-000.C