

SUSTAINABILITY ACCOUNTING STANDARDS BOARD (SASB)

This marks the first year Graphic Packaging is reporting our environmental, social and governance performance with reference to the Sustainability Accounting Standards Board (SASB) framework. This report outlines how our existing disclosures align with the recommended metrics for the SASB Containers and Packaging standard. All data is for the year ended December 31, 2019, unless otherwise noted.



TOPIC	SASB CODE	METRIC	DATA/RESPONSE															
Greenhouse Gas Emissions	RT-CP-110a.1	Gross global Scope 1 emissions, percentage covered under emissions-limiting regulations	1,318,747 metric tons CO ₂ e Scope 1; 100% of Graphic Packaging's emissions are covered under emissions-limiting regulations. Emissions															
	RT-CP-110a.2	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	Investments Making a Difference Emissions															
Air Quality	RT-CP-120a.1	Air emissions of the following pollutants: (1) NO _x (excluding N ₂ O), (2) SO _x , (3) volatile organic compounds (VOCs), and (4) particulate matter (PM)	<table border="1"> <thead> <tr> <th>TOTAL ALL MILLS</th> <th>NO_x (THOUSAND METRIC TONNES/YR)</th> <th>SO₂ (THOUSAND METRIC TONNES/YR)</th> </tr> </thead> <tbody> <tr> <td>2019</td> <td>5.4</td> <td>1.4</td> </tr> <tr> <td>2018</td> <td>5.4</td> <td>1.4</td> </tr> <tr> <td>2017</td> <td>5.2</td> <td>1.0</td> </tr> <tr> <td>2016</td> <td>5.3</td> <td>1.0</td> </tr> </tbody> </table>	TOTAL ALL MILLS	NO _x (THOUSAND METRIC TONNES/YR)	SO ₂ (THOUSAND METRIC TONNES/YR)	2019	5.4	1.4	2018	5.4	1.4	2017	5.2	1.0	2016	5.3	1.0
TOTAL ALL MILLS	NO _x (THOUSAND METRIC TONNES/YR)	SO ₂ (THOUSAND METRIC TONNES/YR)																
2019	5.4	1.4																
2018	5.4	1.4																
2017	5.2	1.0																
2016	5.3	1.0																
Energy Management	RT-CP-130a.1	(1) Total energy consumed, (2) percentage grid electricity, (3) percentage renewable, (4) total self-generated energy	(1) 5,612,374.93 GJ electric power consumed (2) 100% of purchased electricity is sourced from the grid, GJ do not include self-generated electricity (3) 0% renewable, none of the purchased electricity has EACs (4) 6,891,595.07 GJ self-generated electric power, note not all of this electricity is consumed by Graphic Packaging Energy															

SUSTAINABILITY ACCOUNTING STANDARDS BOARD (SASB)

TOPIC	SASB CODE	METRIC	DATA/RESPONSE
Water Management	RT-CP-140a.1	(1) Total water withdrawn, (2) total water consumed, percentage of each in regions with High or Extremely High Baseline Water Stress	(1) 162,317,368.19 m ³ water withdrawn (2) 9,231,152.35 m ³ water consumed, water consumed = withdrawals less discharges <1% water withdrawal at sites with high or extremely high baseline water stress per Aqueduct Tool water risk assessment.
	RT-CP-140a.2	Description of water management risks and discussion of strategies and practices to mitigate those risks	The risk of loss of influent water is extremely low since most of the influent water supply is surface water from ample tributaries. There is very low risk associated with waste treatment and effluent condition. Low risk example would be regulations changes that sometimes requires capital for improvements. <u>Water Conservation</u>
	RT-CP-140a.3	Number of incidents of non-compliance associated with water quality permits, standards, and regulations	No incidents in 2019.
Waste Management	RT-CP-150a.1	Amount of hazardous waste generated, percentage recycled	Currently the data is tracked by location and is provided as required by local and state regulation. The company is exploring strategies to collect detailed waste data centrally. The company is tracking waste diversion at a summary level as presented in the ESG report. <u>Waste, Recovery, and Circularity</u>
Product Safety	RT-CP-250a.1	Number of recalls issued, total units recalled	Zero
	RT-CP-250a.2	Discussion of process to identify and manage emerging materials and chemicals of concern	Graphic Packaging has processes in place to review, and approve, raw materials being incorporated into our manufacturing operations. Our packaging products are traceable ensuring quick and accurate investigations. We are active participants in industry groups, engaged with knowledge leaders and have a solid relationship with regulators to ensure that we are aware of emerging trends regarding safety of materials. Our customers also play an important role in identifying emerging trends and the implications to them and consumers. Graphic Packaging engages with various stakeholders to understand implications of emerging materials and chemicals of concern.

SUSTAINABILITY ACCOUNTING STANDARDS BOARD (SASB)

TOPIC	SASB CODE	METRIC	DATA/RESPONSE																				
Product Lifecycle Management	RT-CP-410a.1	Percentage of raw materials from: (1) recycled content, (2) renewable resources, and (3) renewable and recycled content <i>(in percentage (%) by weight)</i>	(1) 7.2% (2) 92.3% (3) 100% <table border="1"> <thead> <tr> <th>MATERIAL TYPE</th> <th>VIRGIN</th> <th>VIRGIN MILL</th> <th>RECYCLED</th> </tr> </thead> <tbody> <tr> <td>SBS</td> <td>5,459,794</td> <td>-</td> <td>-</td> </tr> <tr> <td>CUK</td> <td>5,423,433</td> <td>-</td> <td>-</td> </tr> <tr> <td>CRB</td> <td>-</td> <td>169,502</td> <td>923,418</td> </tr> <tr> <td>Total</td> <td>10,883,227</td> <td>169,502</td> <td>923,418</td> </tr> </tbody> </table> <i>Amounts are in raw material short tons</i>	MATERIAL TYPE	VIRGIN	VIRGIN MILL	RECYCLED	SBS	5,459,794	-	-	CUK	5,423,433	-	-	CRB	-	169,502	923,418	Total	10,883,227	169,502	923,418
	MATERIAL TYPE	VIRGIN	VIRGIN MILL	RECYCLED																			
	SBS	5,459,794	-	-																			
CUK	5,423,433	-	-																				
CRB	-	169,502	923,418																				
Total	10,883,227	169,502	923,418																				
RT-CP-410a.2	Revenue from products that are reusable, recyclable, and/or compostable	97% of revenue of converted packaging. Paperboard sales not included.																					
RT-CP-410a.3	Discussion of strategies to reduce the environmental impact of packaging throughout its lifecycle	Our Products Assessing the Environmental Impact and Circularity of Our Products Waste, Recovery, and Circularity Supply Chain Management																					
Supply Chain Management	RT-CP-430a.1	Total wood fiber procured, percentage from certified sources	10.9 M short tons, 17% of wood from certified sources. Supply Chain Management																				
	RT-CP-430a.2	Total aluminum purchased, percentage from certified sources	184.5 metric tons; 0% certified.																				

SUSTAINABILITY ACCOUNTING STANDARDS BOARD (SASB)

ACTIVITY METRICS	SASB CODE	METRIC	DATA/RESPONSE																		
	RT-CP-000.A	Amount of production, by substrate	<table border="1"> <thead> <tr> <th>TOTAL PRODUCTION BY SUBSTRATE (SHORT TONS)</th> <th>PERCENT OF TOTAL</th> </tr> </thead> <tbody> <tr> <td>CRB</td> <td>999,224</td> <td>25.42%</td> </tr> <tr> <td>CUK</td> <td>1,619,255</td> <td>41.19%</td> </tr> <tr> <td>SBS</td> <td>1,190,477</td> <td>30.29%</td> </tr> <tr> <td>Corrugated Medium</td> <td>121,929</td> <td>3.10%</td> </tr> <tr> <td>Total Production</td> <td>3,930,885</td> <td></td> </tr> </tbody> </table>		TOTAL PRODUCTION BY SUBSTRATE (SHORT TONS)	PERCENT OF TOTAL	CRB	999,224	25.42%	CUK	1,619,255	41.19%	SBS	1,190,477	30.29%	Corrugated Medium	121,929	3.10%	Total Production	3,930,885	
			TOTAL PRODUCTION BY SUBSTRATE (SHORT TONS)	PERCENT OF TOTAL																	
			CRB	999,224	25.42%																
CUK			1,619,255	41.19%																	
SBS			1,190,477	30.29%																	
Corrugated Medium	121,929	3.10%																			
Total Production	3,930,885																				
RT-CP-000.B	Percentage of production as: (1) paper/wood, (2) glass, (3) metal, and (4) plastic	(1) Paper/wood — 97%																			
		(2) Glass — 0%																			
		(3) Metal — 0%																			
		(4) Plastic — 3% converted packaging and as a percentage of revenue.																			
RT-CP-000.C	Number of employees	18,000																			