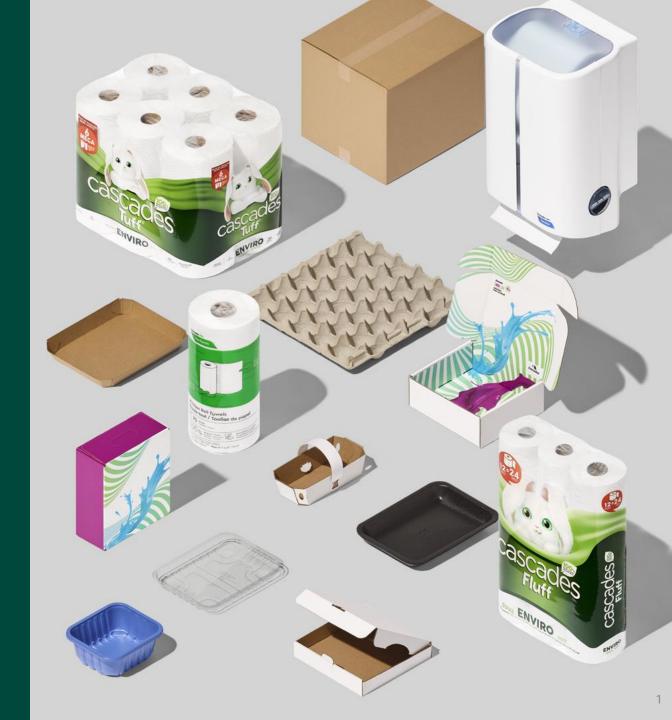
Investor Presentation

RBC Conference December 2, 2021





DISCLAIMER

FORWARD-LOOKING STATEMENT

Certain statements in this presentation, including statements regarding future results and performance, are forward-looking statements within the meaning of securities legislation based on current expectations. The accuracy of such statements is subject to a number of risks, uncertainties and assumptions that may cause actual results to differ materially from those projected, including, but not limited to, the effect of general economic conditions, decreases in demand for Cascades Inc.'s ("Cascades," "CAS," the "Company," the "Corporation," "us" or "we") products, the prices and availability of raw materials, changes in the relative values of certain currencies, fluctuations in selling prices and adverse changes in general market and industry conditions. This presentation may also include price indices as well as variance and sensitivity analyses that are intended to provide the reader with a better understanding of the trends related to our business activities. These items are based on the best estimates available to the Corporation.

SUPPLEMENTAL INFORMATION ON NON-IFRS MEASURES - SPECIFIC ITEMS

The Corporation incurs some specific items that adversely or positively affected its operating results. We believe it is useful for readers to be aware of these items, as they provide additional information to measure the performance, compare the Corporation's results between periods and to assess operating results and liquidity, notwithstanding these specific items. Management believes these specific items are not necessarily reflective of the Corporation underlying business operations in measuring and comparing its performance and analyzing future trends. Our definition of specific items may differ from those of other corporations and some of them may arise ins the future and may reduce the cash available to us.

They include, but are not limited to, charges for (reversals of) impairment of assets, restructuring gains or costs, loss on refinancing and repurchase of long-term debt, some deferred tax assets provisions or reversals, premiums paid on long-term debt refinancing, gains or losses on the acquisition or sale of a business unit, gains or losses on the share of results of associates and joint ventures, unrealized gains or losses on derivative financial instruments that do not qualify for hedge accounting, unrealized gains or losses on interest rate swaps, foreign exchange gains or losses on long-term debt, specific items of discontinued operations and other significant items of an unusual, non-cash or non-recurring nature.

RECONCILIATION OF NON-IFRS MEASURES

To provide more information for evaluating the Corporation's performance, the financial information included in this analysis contains certain data that are not performance measures under IFRS ("non-IFRS measures") which are also calculated on an adjusted basis to exclude specific items. We believe that providing certain key performance measures and non-IFRS measures is useful to both management and investors as they provide additional information to measure the performance and financial position of the Corporation. It also increases the transparency and clarity of the financial information. The following non-IFRS measures are used in our financial disclosures:

- Operating income before depreciation and amortization (OIBD): Used to assess operating performance and contribution of each segment when excluding depreciation & amortization. OIBD is widely used by investors as a measure of a corporation ability to incur and service debt and as an evaluation metric.
- Adjusted OIBD: Used to assess operating performance and contribution of each segment on a comparable basis.
- Adjusted operating income: Used to assess operating performance of each segment on a comparable basis.
- Adjusted net earnings: Used to assess the Corporation's consolidated financial performance on a comparable basis.
- Adjusted free cash flow: Used to assess the Corporation's capacity to generate cash flows to meet financial obligation and/or discretionary items such as share repurchase, dividend increase and strategic investments.
- Net debt to adjusted OIBD ratio: Used to measure the Corporation's credit performance and evaluate the financial leverage.
- Net debt to adjusted OIBD ratio on a pro forma basis: Used to measure the Corporation's credit performance and evaluate the financial leverage on a comparable basis including significant business acquisitions and excluding significant business disposals, if any.

Non-IFRS measures are mainly derived from the consolidated financial statements but do not have meanings prescribed by IFRS. These measures have limitations as an analytical tool and should not be considered on their own or as a substitute for an analysis of our results as reported under IFRS. In addition, our definitions of non-IFRS measures may differ from those of other corporations. Any such modification or reformulation may be significant.

All amounts in this presentation are in Canadian dollars unless otherwise indicated.

Please click here for supplemental information on non-IFRS measures.



Our Mission

To improve the well-being of people, communities and the planet by providing sustainable and innovative solutions that create value.

Our Vision

To be a key contributor to our customers' success by leading the way for sustainable packaging, hygiene and recovery solutions.



~9,950 employees 78 facilities across North America



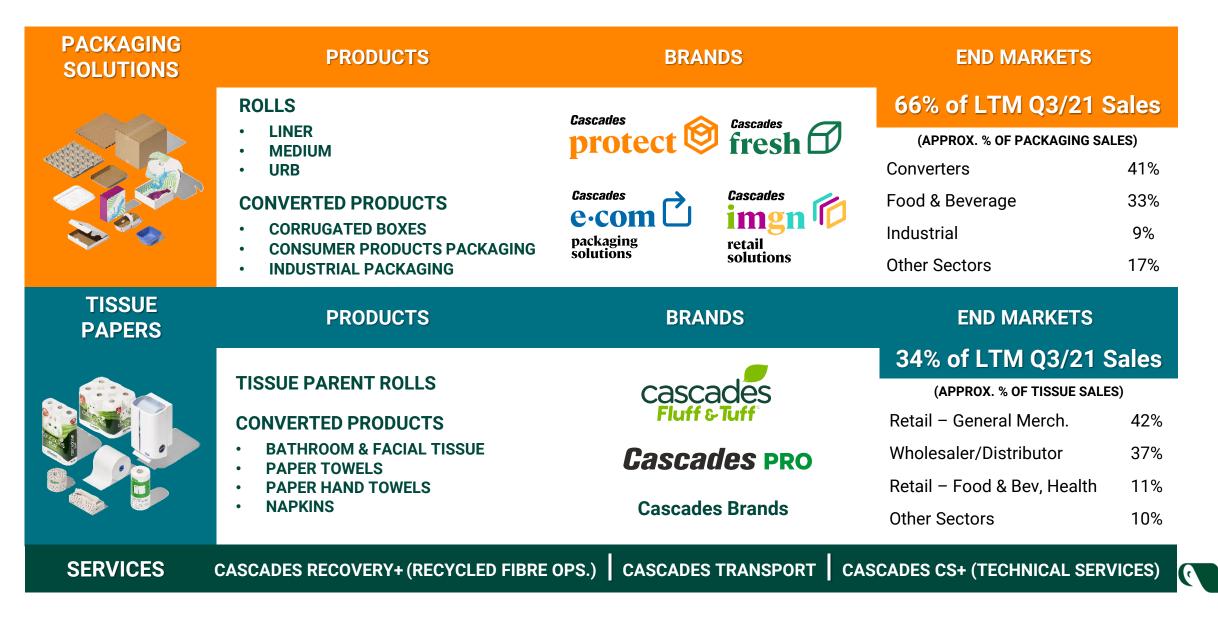
INVESTMENT THESIS

- Well-capitalized and modernized business platforms competitively positioned in growing markets
- Solid balance sheet and strong forecasted cash flow support operational flexibility and shareholder value creation
- Circular economy pioneer and industry leader in sustainable packaging and tissue solutions





OUR BUSINESS - PRODUCTS, BRANDS, MARKETS





DRIVING VALUE

STRATEGIC OBJECTIVES

Capture Benefits from Modernization Initiatives

- Drive continuous value from stronger operational and financial capacity & platform
- Fund value-creating growth Bear Island project
- Ramp up new Tissue converting assets, optimize newly repositioned platform

Disciplined Capital Allocation

- Focused capital allocation strategic, value-creating and targeted growth
- Maintain flexible balance sheet leverage of < 3.0x (until Bear Island start-up)
- Return value to shareholders align dividend yield with 3% 3.5% industry average

Continuous Margin Improvement

- Deliver adjusted OIBD¹ margin improvement targets of 1% in 2021 & 2022
- Disciplined production effectiveness and planning, leveraging ERP management system to optimize daily operational performance
- Targeted consolidated adjusted OIBD margins of 15%



FINANCIAL RESULTS



DISCONTINUED OPERATIONS

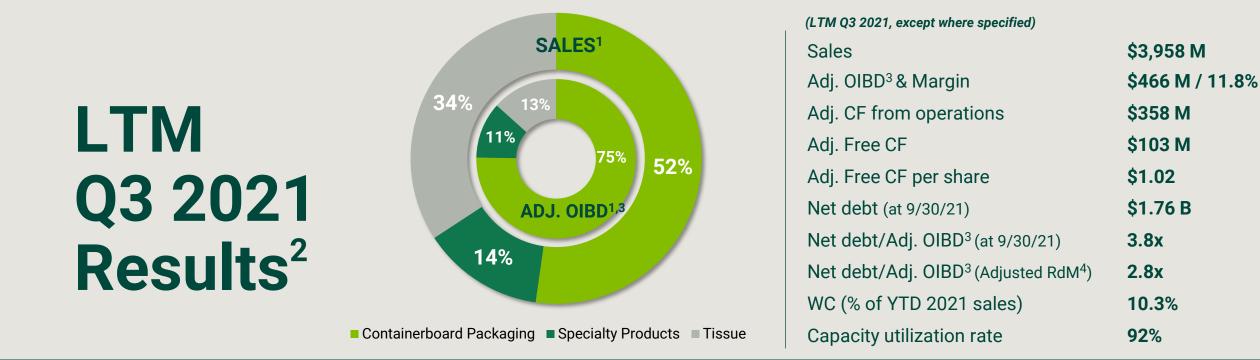
On July 5, 2021, the Corporation announced the monetization of its 57.6% controlling equity interest in Reno de Medici S.p.A. (RDM) for an amount per share of €1.45, or \$461 M. The transaction closed October 26th, 2021, generating proceeds of \$450 M net of transaction fees.

(In millions of CAN\$)	2019 ²	20	20 ²		2021 ²		_		2 /
	Year	Q3	Year	Q1	Q2	Q3	Boxboar	d Europe	e ² (millions
Financial results							29	27	
Sales									23
Before discontinued operations	4,996	1,275	5,157	1,228	1,209	1,385	19		
Discontinued operations - Boxboard Europe	(1,048)	(261)	(1,052)	(286)	(253)	(355)			12
As reported in Q2 2021	3,948	1,014	4,105	942	956	1,030			
Operating income								5	
Before discontinued operations	261	73	366	56	22	97			
Discontinued operations - Boxboard Europe	(45)	(19)	(74)	(12)	1	(24)	Q3	Q4	Q1
As reported in Q2 2021	216	54	292	44	23	73	2020	2020	2021
Adjusted OIBD ¹								Opera	ating Income
Before discontinued operations	604	162	675	145	109	124			sted OIBD ¹
Discontinued operations - Boxboard Europe	(108)	(29)	(129)	(23)	(11)	(17)			
As reported in Q2 2021	496	133	546	122	98	107			

ns of CAN\$)



(1) Please click here for supplemental information on non-IFRS measures. (2) Q1 2021, 2020 and 2019 consolidated results have been adjusted to reflect retrospective adjustments of discontinued operations. Please refer to the "Discontinued operations" section and Note 4 of the 2021 third guarter Unaudited Condensed Interim Consolidated Financial Statements for more details.



Q3 2021 | Good packaging market dynamics and improved performance in Tissue partially offset impact of continued inflationary pressures on costs

- **Containerboard:** Good demand and roll-out of price increases offset by production impact from water effluent issues at Niagara Falls complex
- **Specialty Products:** Good volume and higher spreads offset the impact of higher raw material and operational costs
- Raw material/Production costs: higher raw material prices and operational cost inflation for all business segments
- **Tissue:** continued overall lower demand levels related to Covid-19 fluctuations, with improved sequential performance in Q3

(1) Excluding inter-segment sales / Corporate Activities (2) Adjusted to exclude European Boxboard results, accounted for as discontinued operations following announced sale of equity ownership in Reno de Medici S.p.A. (RDM) on July 5, 2021. (3) Please click here for supplemental information on non-IFRS measures. (4) Considering \$450 million of net proceeds from transaction related to monetization of 57.6% equity interest in RDM, which closed on October 26, 2021.



Raw material – Index prices

Recycled Fibre Prices (\$US/s.t.)	Current ² (Nov-21)	Recovered Paper Prices	Q3 2021	Q3 vs Q3/20	Q3 vs Q2/21
	184	WHITE GRADES - Basket of products (Northeast avg) ¹	163	37%	30%
150 - 125 - 100 - 75 - 50 - 25 -	170	BROWN GRADES - OCC No. 11 (Northeast average)	162	179%	59%
Aug 17 Feb 18 May 18 May 18 May 19 May 20 Nov 20 May 20 Nov 20 Nov 20 May 21 Aug 21 Aug 21 Aug 21 Aug 21 Nov 21 May 21 May 21 May 21 May 21 May 21 May 22 May 21 May 22 May 21 May 20 May 21 May 20 May 21 May 20 May 20 Ma					

Virgin Pulp Prices (\$US/s.t.)	Current (Oct-21)
1,800	1,495
1,400 - 1,200 -	1,280
1,000 -	
800 -	
Aug 17 Aug 17 May 18 May 18 May 19 May 19 May 20 Aug 20 May 20 May 20 May 21 May 21	Sourc Book for W

Virgin Pulp Prices NBSK Canadian sources delivered to Eastern US NBHK Canada/US sources delivered to Eastern US	Q3 2021	Q3 vs Q3/20	Q3 vs Q2/21
	1,542	35%	(4%)
NBHK Canada/US sources delivered to Eastern US	1,320	51%	2%

Source: RISI. (1) Basket of white recycled paper, including grades such as SOP, Hard White Envelope and Coated Book Stock; Northeast average. Weighted average based on Cascades' consumption of each grade. (2) Current price for White Grades is the RISI index price for SOP and is not a basket of products.

Quarterly Financial Results



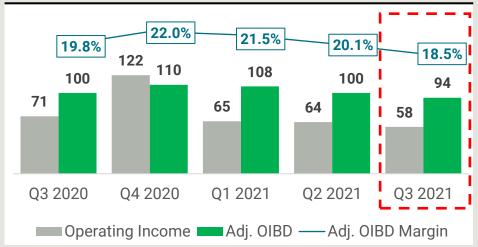


(In millions of CAN\$, except amount per share)	Q1	Q2	Q3	Q4	2019 ² Year	Q1	Q2	Q3	Q4	2020 Year	Q1 ²	Q2	2021 Q3
Financial results													
Sales	951	1,005	1,008	984	3,948	1,041	1,020	1,014	1,030	4,105	942	956	1,030
Operating income	54	63	94	5	216	70	64	54	104	292	44	23	73
Adjusted OIBD ¹	106	126	136	128	496	131	143	133	139	546	122	98	107
Net earnings (loss)	24	31	43	(26)	72	22	54	49	73	198	22	3	32
Adjusted net earnings (loss) ¹	13	26	28	29	96	39	58	48	42	187	29	8	(1)
Net earnings (loss) per share	\$0.26	\$0.33	\$0.45	(\$0.27)	\$0.77	\$0.24	\$0.57	\$0.51	\$0.72	\$2.04	\$0.22	\$0.02	\$0.32
Adjusted net earnings (loss) per share ¹	\$0.14	\$0.28	\$0.30	\$0.30	\$1.02	\$0.42	\$0.61	\$0.50	\$0.42	\$1.95	\$0.29	\$0.07	(\$0.01)

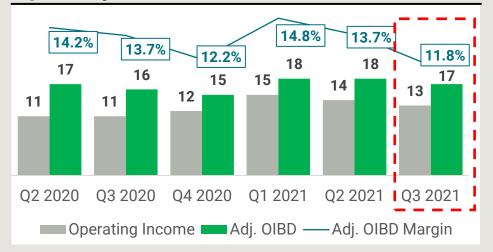
(1) Please click here for supplemental information on non-IFRS measures. (2) Q1 2021, 2020 and 2019 consolidated results have been adjusted to reflect retrospective adjustments of discontinued operations. Please refer to the "Discontinued Operations" section and Note 4 of the 2021 third quarter Unaudited Condensed Interim Consolidated Financial Statements for more details.

QUARTERLY SEGMENTED OPERATING INCOME (LOSS), ADJUSTED OIBD¹ & MARGIN

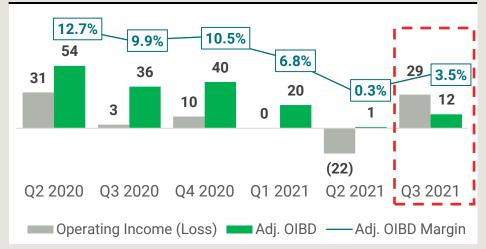
Containerboard (millions of CAN\$/%)



Specialty Products (millions of CAN\$/%)

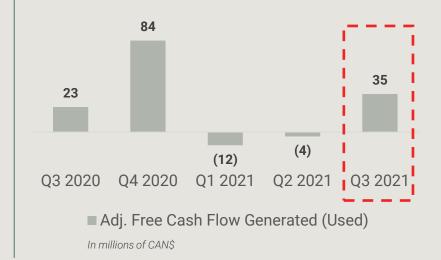


Tissue Papers (millions of CAN\$/%)



Quarterly Cash Flows



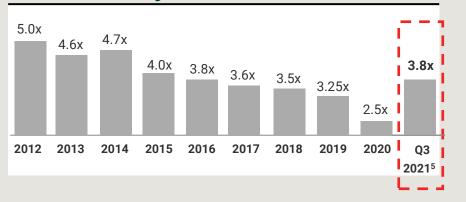


					2019 ⁵				2020 ⁵						
(In millions of CAN\$, except amount per share)	Q1	Q2	Q3	Q4	Year	Q1	Q2	Q3	Q4	Year	Q1 ⁵	Q2	Q3		
Cash flow from operations	57	96	91	79	323	124	125	78	131	458	82	87	58		
Specific items ¹	3	1	4	16	24	-	_	9	6	15	4	2	12		
Adjusted cash flow from operations ³	60	97	95	95	347	124	125	87	137	473	86	89	70		
Including: Net financing expense paid	(42)	(15)	(41)	(33)	(131)	(16)	(7)	(48)	(5)	(76)	(40)	(4)	(41)		
Capital expenditures & other assets ² , lease															
obligations payments, net of disposals	(59)	(57)	(51)	(62)	(229)	(73)	(47)	(53)	(41)	(214)	(86)	(83)	(18)		
Dividends ⁴	(8)	(7)	(12)	(11)	(38)	(10)	(12)	(11)	(12)	(45)	(12)	(10)	(17)		
Adjusted free cash flow ³	(7)	33	32	22	80	41	66	23	84	214	(12)	(4)	35		
Adjusted free cash flow per share ³	(0.07)	\$0.35	\$0.34	\$0.23	\$0.85	\$0.44	\$0.70	\$0.24	\$0.84	\$2.23	\$(0.12)	(\$0.04)	\$0.34		

(1) Specific items: premiums paid on the repurchase of long-term debt and restructuring costs. (2) Excluding increase in investments. (3) Please click here for supplemental information on non-IFRS measures. (4) Paid to our shareholders and to non-controlling interests. (5) Q1 2021, 2020 and 2019 consolidated cash flows have been adjusted to reflect retrospective adjustments of discontinued operations. Please refer to the "Discontinued Operations" section and Note 4 of the 2021 third guarter Unaudited Condensed Interim Consolidated Financial Statements for more details.

CONSOLIDATED FINANCIAL RATIOS & DEBT MATURITIES

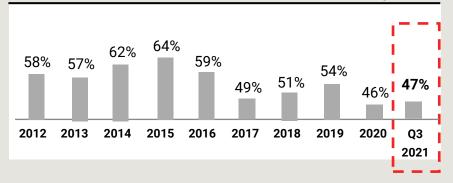
Net Debt / Adjusted OIBD^{1,3,4}



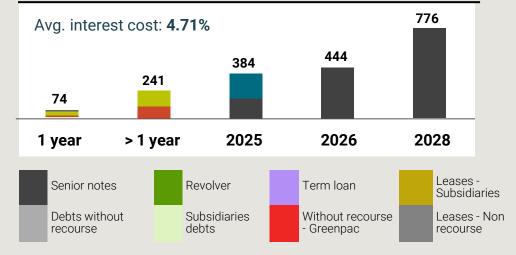
Interest Coverage Ratio^{2,3,4}



Net Debt⁴ / Net Debt⁴ + Total Equity



Long-Term Debt Maturities (as at Sep. 30, 2021)⁵



Bank debt financial covenant ratios: Net funded debt to capitalization < 65% (currently at 46.86 %), interest coverage ratio > 2.25x (currently at 5.10 x).

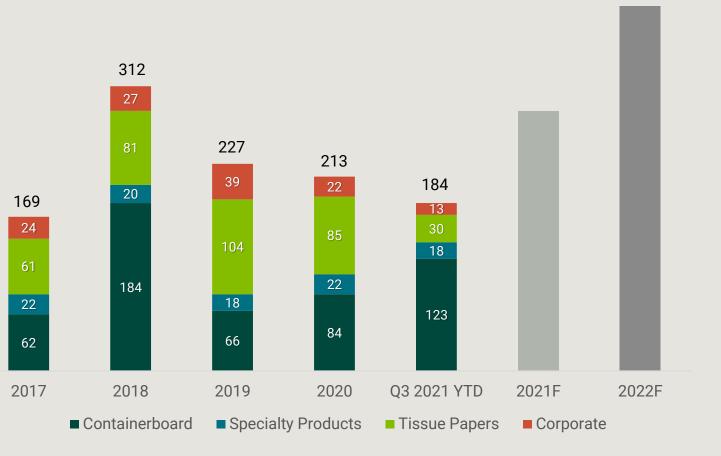
(1) Please click here for supplemental information on non-IFRS measures. (2) Adjusted OIBD to financing expense. (3) Pro-forma up to 2018 to include business acquisitions on a LTM basis, if applicable. (4) Not adjusted for discontinued operations prior to Q3 2021. (5) Not adjusted for the \$450 million of net proceeds from disposal of our equity position in Reno de Medici that closed on October 26, 2021.

CAPITAL INVESTMENTS¹

- Replaced older assets with
 MODERN equipment
- Invested in ORGANIC growth
- **OPTIMIZED** geographic footprint
- Increased INTEGRATION rate
- Disciplined, balanced capital allocation: CAPEX funded via cash flow + deleveraging

BEAR ISLAND (USM\$)										
2018-2020	~ \$60									
2021F	~ \$115									
2022F	~ \$200									
2023F	~ \$25									
Total	~\$400									

2021F: \$275 M - \$300 M¹
Includes ~ CAN\$155 M for Bear Island
2022F: ~ \$400 M¹
Includes ~ CAN\$260 M for Bear Island



¹ In Canadian dollars, except where noted. Amount is subject to change depending on business and/or economic conditions. Excluding value of leases. Targeted IRR of 15%. Cascades uses a WACC of 9%. Actual IRR may vary by project. A limited number of projects with returns below IRR target may be undertaken for strategic purposes.

Near term factors

- North American operations: continued benefits from margin improvement initiatives YoY and QoQ partially offsetting costs inflation.
- Raw material, logistics and production costs: expect higher costs YoY and QoQ in Q4 for all business segments.
- **Tissue:** Sequentially, Q4 results expected to reflect selling price increases and stable volumes, offset by higher input costs. Performance YoY will remain below the prior year period during which results benefited from elevated Covid-19 demand levels.
- Containerboard: QoQ performance to reflect return to normalized production levels at Niagara Falls complex, good demand and higher selling prices, offset by higher input costs. Expect lower YoY results following strong prior year performance and higher input costs, partially offset by positive demand and selling price increases.
- Specialty Products: good volume and selling price trends support positive YoY and QoQ results.

Q4 2021 OIBD ¹ Trend	Total	Containerboard	Tissue Papers	Specialty Products
vs Q3 2021				
vs Q4 2020				

BUSINESS SEGMENTS & ACTIVITIES



WELL POSITIONED ASSET BASE



Recovery Activities

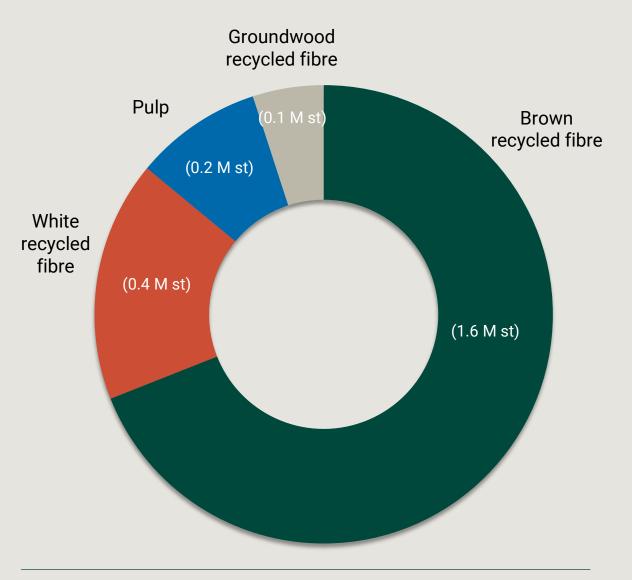


A leading paper collector in Canada

18 facilities in Canada & the U.S.

In 2020, we collected & purchased **3 million** s.t. of fibre

- 77% (2.4 million s.t.) used internally
- **23%** (0.6 million s.t.) sold to external customers
- ~ 25% of our manufacturing supply needs are sourced by our Recovery Activities



Fibre¹ **used in 2020: 2.4 M s.t.**



INDUSTRY TRENDS





Differentiation by design



New technologies



E-commerce & E-food

Packaging Solutions

 Broad selection of innovative & sustainable packaging solutions aligned with industry trends to meet the needs of our strategic markets.

OUR MATERIALS



OUR MARKETS



Containerboard



2020 integration rate²: 69%

6th largest containerboard producer in N.A.



2017 – LTM Q3/21 adjusted OIBD¹ CAGR: 13.6%

Please click <u>here</u> for supplemental information on non-IFRS measures.
 Including associates, JVs.



Containerboard – Bear Island

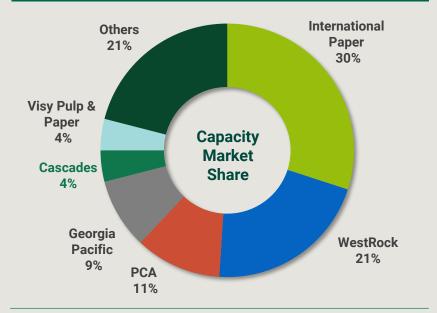
TOTAL COST: US \$400 M START DATE: 12/2022	≤ 2020	2021	2022	2023	2024	2025
PROJECT COSTS (US\$M)	\$60 ¹	\$115	\$200	\$25	-	-
PRODUCTION RAMP UP	-	-	-	75%	80%	90%
ANNUAL PRODUCTION ('000 s.t.)	-	-	-	~ 280,000	~ 375,000	~ 420,000
OIBD (US\$M)				~ \$15-\$30	~\$35 - \$50	~ \$55 - \$65

2023 RAMP-UP	Q1 2023	Q2 2023	Q3 2023	Q4 2023	2023
FORECASTED PRODUCTION ('000 s.t.)	~ 54,000	~ 62,000	~ 75,000	~ 90,000	~ 280,000
OIBD (US\$M)	~ (\$1) - \$3	~ \$3 - \$5	~ \$5-\$10	~ \$8-\$12	~ \$15 - \$30



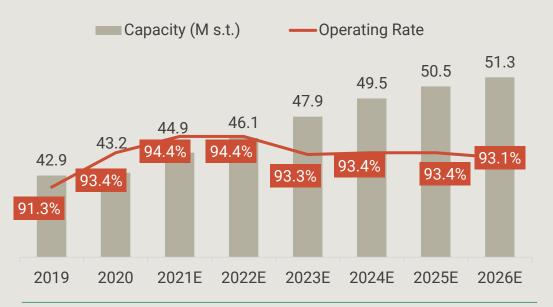
Containerboard – Industry

North American Containerboard Demand Growth and Market Share¹



- Top 5 producers represent ~ 75% of total N.A. capacity
- Market concentration driving disciplined approach to net capacity additions, supply-demand management

North American Capacity and Operating Rate¹



- Forecasted 2021 2026 CAGR capacity growth of approximately 2.7%
- Operating rate expected to average ~93.5% over the 2021 - 2026 period



Containerboard – Industry

- Gross profit expected to average US\$705/s.t. for kraft liner and US\$628/s.t. for recycled liner over 2021 2025
- Demand for containerboard supported by solid forecasted N.A. GDP growth through 2025



Kraft Liner & Recycled Liner Gross Profit Spread ^{1,2}

- Kraft Gross Profit Spread (US\$/s.t.)
- Recycled Gross Profit Spread (US\$/s.t.)



US : Real GDP (Annual % Change)¹



Canada : Real GDP Growth (Annual % Change)¹

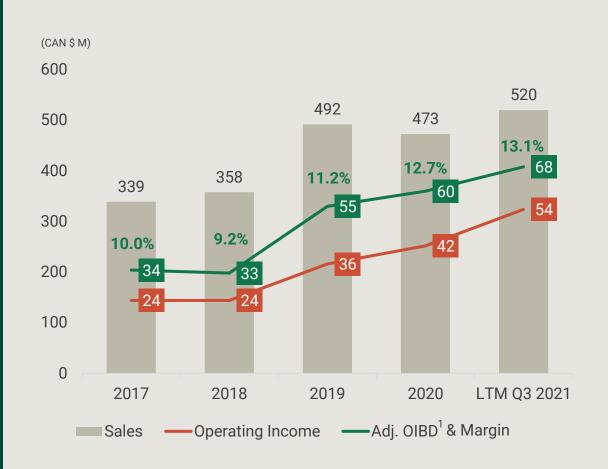
¹ Source: RISI

² Gross Profit Spread = Average US Linerboard 42 lbs unbleached kraft price less average US OCC (#11) cost ; 30-31 lbs Recycled liner price less average US OCC (#11) cost.

Specialty Products³



Comprehensive Packaging Solutions Provider Focused on Strategic Scalable Markets

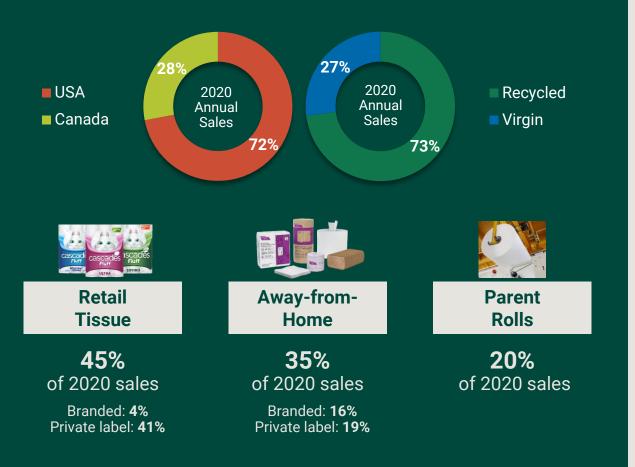


¹ Please click <u>here</u> for supplemental information on non-IFRS measures.² Includes distribution activities. ³ Recovery activities sales, OIBD and adjusted OIBD figures were reclassified from the Specialty Products segment to Corporate Activities as of Q4 2019. Quarterly and prior year figures were adjusted to reflect the current presentation.

2017-LTM Q3/21 adjusted OIBD¹ margin CAGR: 18.9%



Tissue Papers



4th largest tissue producer in N.A.



Targeted normalized adjusted OIBD¹ margin: 15%

¹ Please click <u>here</u> for supplemental information on non-IFRS measures.

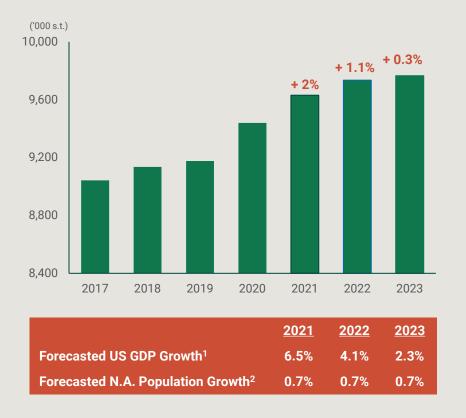


2020 integration rate: 73%

TISSUE PAPERS – MARKET

North American Tissue Capacity¹

Forecasted avg annual capacity growth of ~ 1.1% over 2021-2023

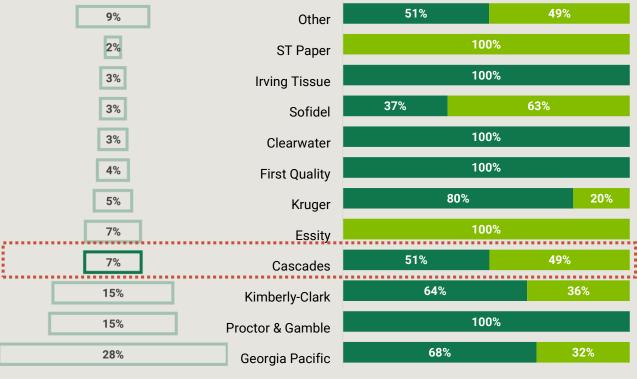


Market Share 2020 North American Tissue Capacity¹

% Total 2020 production capacity of ~10.0 M s.t.

TOP 5 = 72%

% Total Production Capacity – Retail / Away-from-Home



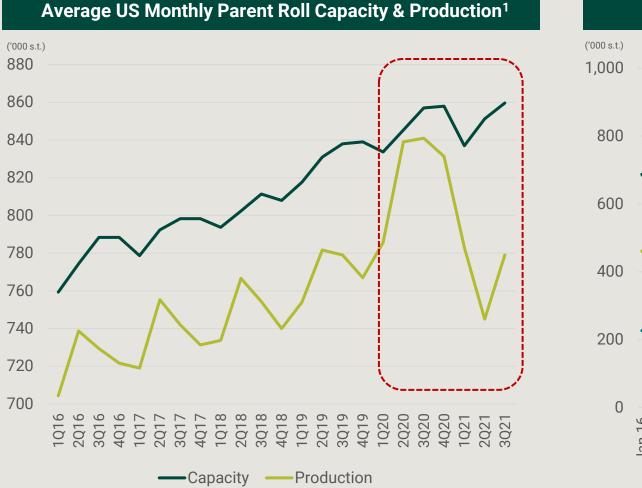
■ % Retail ■ % Away-from-Home

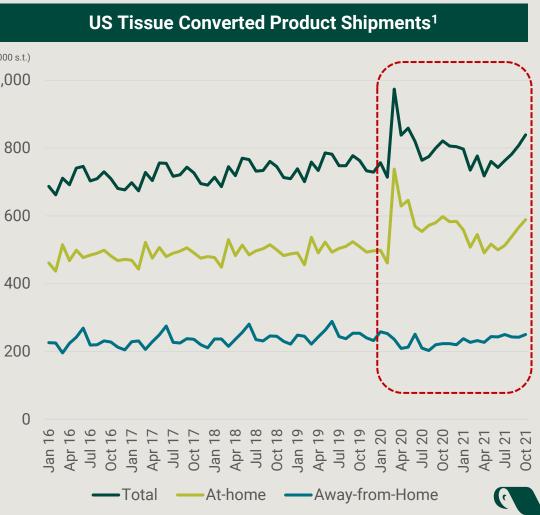


¹ Source: RISI. Note: effective capacity considers learning curves of new expansions and acquisitions/divestments. Total production capacity is total reported capacity . ² Source: Organization for Economic Cooperation and Development (OECD)

TISSUE PAPERS – MARKET

 Covid-19 pandemic has resulted in important fluctuations in demand, which has led to producers temporarily adjusting production levels



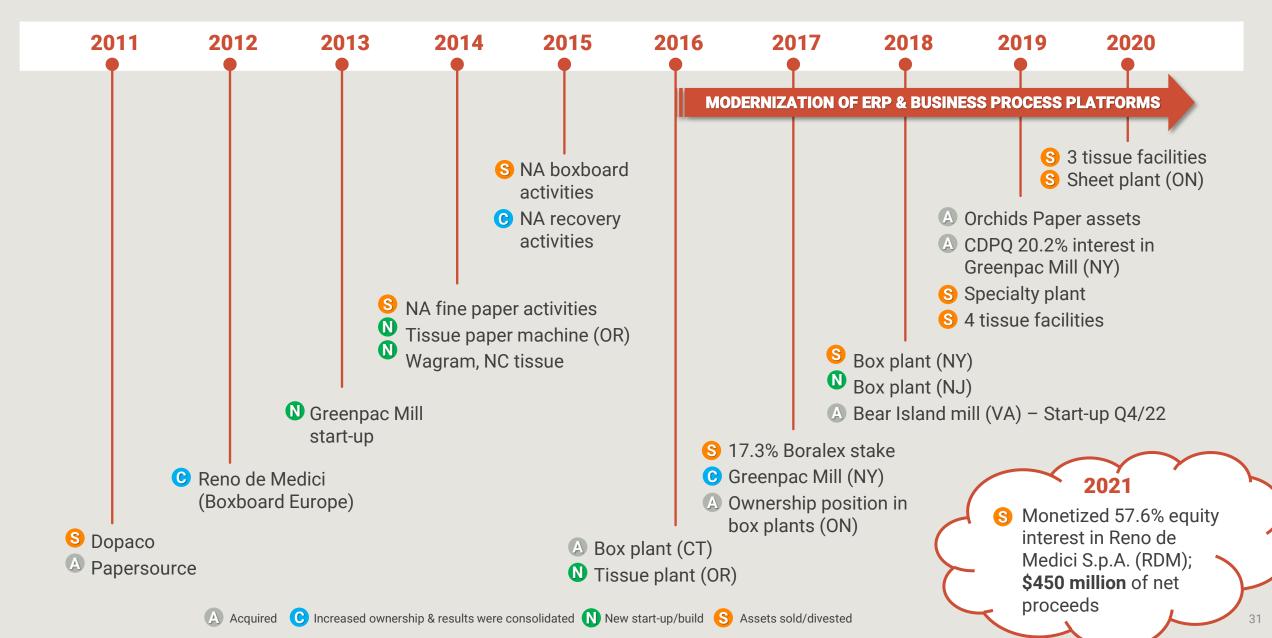


You see Cascades



We see a refocused company

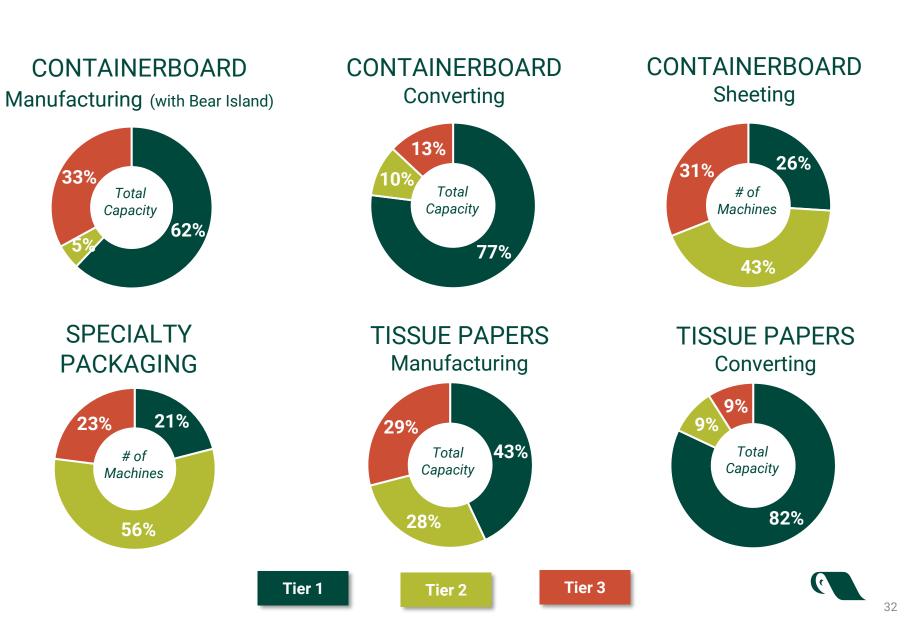
WE'VE BEEN BUSY: 2011-2020 REFOCUSED & OPTIMIZED



Investments & modernization initiatives have improved competitiveness^{*} of our assets.

* Competitiveness (Tier 1, 2 or 3) of manufacturing and converting assets based on extensive internal analysis: equipment age, width, speed, capacity and technological positioning.

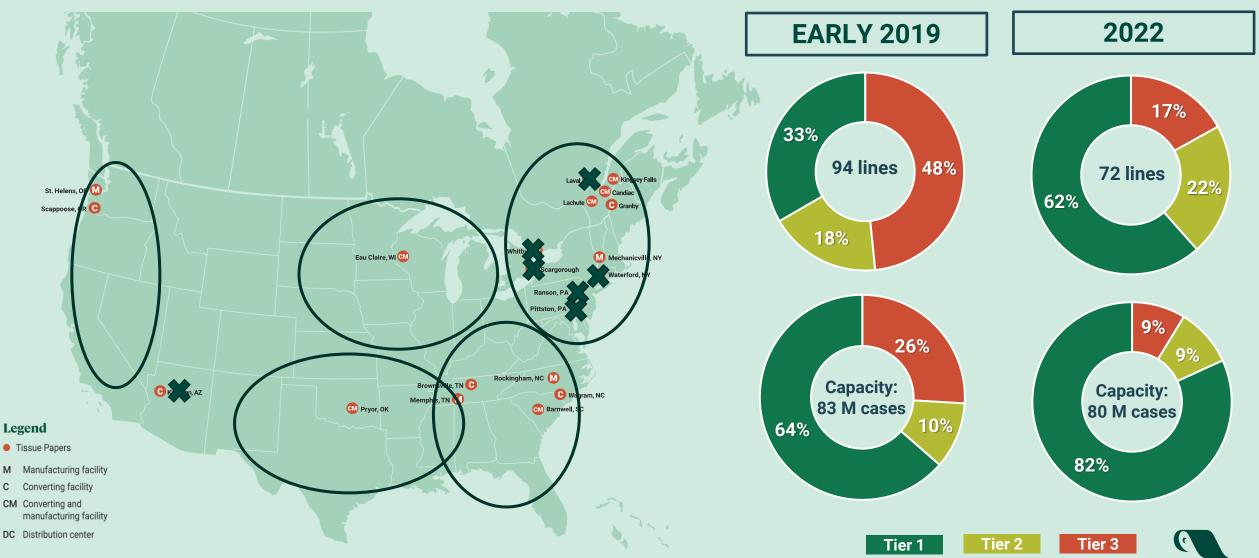
OUR ASSET BASE



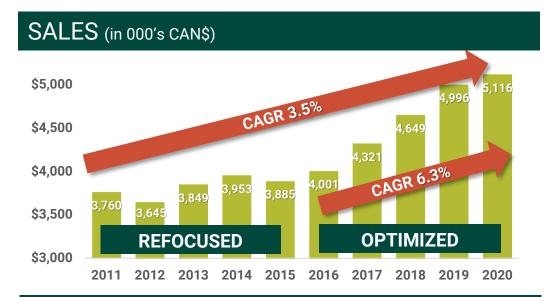
Tissue Papers

С

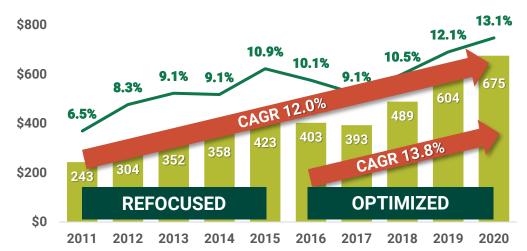
Significantly modernized & strengthened our converting platform



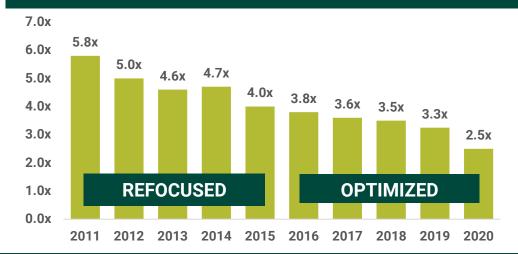
2011-2020 REFOCUSED & OPTIMIZED²



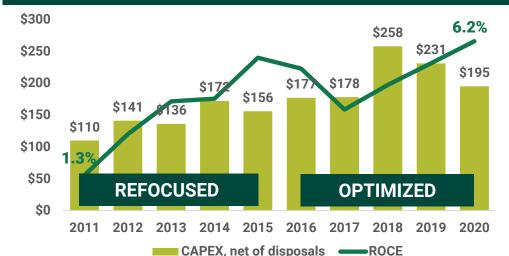
ADJUSTED OIBD¹ & MARGIN (M CAN\$, % of sales)



LEVERAGE RATIO



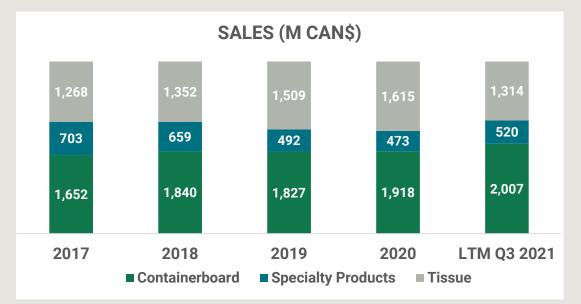
CAPEX & ROCE (M CAN\$, %)



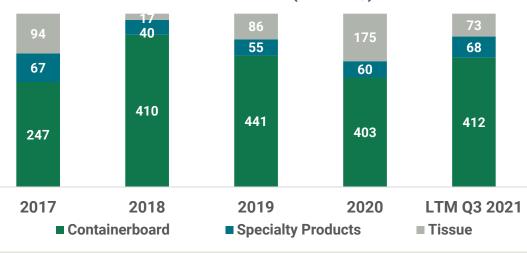
(1) Please click here for supplemental information on non-IFRS measures. (2) Consolidated results have **NOT** been adjusted to reflect retrospective adjustments of discontinued operations. Please refer to the "Discontinued Operations" section and Note 4 of the 2021 second guarter Unaudited Condensed Interim Consolidated Financial Statements for more details.

(C)

ANNUAL HISTORICAL PERFORMANCE²

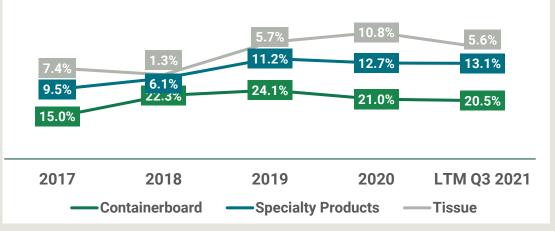


ADJUSTED OIBD¹ (M CAN\$)





ADJUSTED OIBD¹ MARGIN



(1) Please click here for supplemental information on non-IFRS measures. (2) Excludes discontinued operations. Please refer to the "Discontinued Operations" section and Note 4 of the 2021 third quarter Unaudited Condensed Interim Consolidated Financial Statements for more details.

APPENDICES



DRIVING VALUE

MARGIN IMPROVEMENT INITIATIVES

5 PILLARS



REVENUE MANAGEMENT

→ Targeting improvements in net selling price, volumes, cost to serve and customer & product mix

PRODUCTION EFFICIENCY

 \rightarrow Targeting volume and costs to produce

SALES & OPERATION PLANNING

 \rightarrow Targeting customer service, inventory levels and logistics efficiency

■←
→■

SUPPLY CHAIN EFFICIENCY

 \rightarrow Targeting procurement, transportation and warehousing costs



ORGANIZATIONAL EFFECTIVENESS

 \rightarrow Targeting improved operational structure and lower SG&A costs

OBJECTIVES & RESULTS



OBJECTIVES

 \rightarrow Increase adjusted OIBD margin¹ by 1% in 2020, 2021 and 2022 from our 2019 reference base year



RESULTS

 \rightarrow Achieved approximately \$75 million in 2020, net of related costs

 \rightarrow Offsetting cost inflation, potential increase in raw material & pressure on selling prices



¹ Please click <u>here</u> for supplemental information on non-IFRS measures. From 2019 base year.

SUSTAINABILITY ACTION PLAN: 2021-2025



SELECT REFERENCE PRICES & FIBRE COSTS

														-			
These indexes should only be used as an indicator of trends and they					2019					2020			2021	Q3 2021 vs Q3 2020			021 vs 2021
may be different than our actual selling prices or purchasing costs.	Q1	Q2	Q3	Q4	Year	Q1	Q2	Q3	Q4	Year	Q1	Q2	Q3	(units)	(%)	(units)	(%)
Selling prices (average)																	
PACKAGING PRODUCTS																	
Containerboard (US\$/short ton)	750	705	705	705	704	71 5	71 5	71 5	740	700	770	005	050	140	0.0%	22	40/
Linerboard 42-lb. unbleached kraft, Eastern US (open market)	752	735	725	725	734	715	715	715	748	723	772	825	858	143	20%	33	4%
Corrugating medium 26-lb. semichemical, Eastern US (open	650	640	630	630	638	615	615	615	648	623	675	735	775	160	26%	40	5%
market)																	
Specialty Products (US\$/short ton)	730	730	730	730	730	710	700	700	720	708	740	793	867	167	24%	74	9%
Uncoated recycled boxboard - 20-pt. bending chip (series B)	,00	,00	,00	700	,00	, 10	,	,	720	,00	7 10			107	21/0		270
TISSUE PAPERS (US\$/short ton)	1,151	1,164	1,143	1,109	1,142	1,111	1,138	1,123	1,110	1,120	1,115	1,159	1,170	47	4%	11	1%
Parent rolls, recycled fibres (transaction)	1.441	1.444	1.420	1,411	1,429	1,416	1,450	1,427	1,418	1,428	1,453	1,545	1,544	117	8%	(1)	-
Parent rolls, virgin fibres (transaction)	.,	.,	.,	.,	.,	.,	.,	.,	.,	.,	-,	.,	.,				
Raw material (average)																	
RECYCLED PAPER																	
North America (US\$/short ton)																	1
Sorted residential papers, No. 56 (SRP - Northeast average)	24	16	10	8	15	8	18	33	39	24	44	59	108	75	227%	49	83%
Old corrugated containers, No. 11 (OCC - Northeast avg.)	61	40	33	30	41	36	93	58	59	61	79	102	162	104	179%	60	59 %
Sorted office papers, No. 37 (SOP - Northeast average)	183	140	101	88	128	89	160	109	80	109	94	117	153	44	40%	33	31%
VIRGIN PULP (US\$/metric ton)																	
Northern bleached softwood kraft, Canada	1,380	1,292	1,170	1,115	1,239	1,127	1,158	1,140	1,138	1,141	1,302	1 598	1,543	403	35%	(55)	(3%)
Bleached hardwood kraft, mixed, Canada/US	1,380	1,292	970	893	1,239	890	897	875	868	883	1,037	1,297		403	51%	23	(3 <i>%</i>) 2%
	1,100	1,100	270	0,0	1,000	070	0,7,	0/0		000	1,007	.,_,,	1,020		0170		2.0

SENSITIVITIES ¹		SHIPMENTS /CONSUMPTION ('000 s.t, '000 mm Btu for Natural Gas)	INCREASE	OIBD IMPACT (in CAN\$ M)
SELLING PRICE ² (Manufacturing & Converting)				
North America	Linerboard, Eastern US Corrugated medium, Eastern US Converted products Tissue Papers	430 330 780 650	US\$25/s.t. US\$25/s.t. US\$25/s.t. US\$25/s.t.	14 11 25 21
RAW MATERIALS ² (Recycled Papers, Pulp, Gas)				
North America	Brown grades (OCC & others)	1,630	US\$15/s.t.	(32)
	Groundwood grades (SRP & others)	120	US\$15/s.t.	(2)
	White grades (SOP & others)	410	US\$15/s.t.	(8)
	Virgin pulp	200	US\$30/s.t.	(8)
	Natural gas	9,300	US\$1.00/mmBtu	(12)
EXCHANGE RATE ³				
Sales less purchases in US\$ from Canadian operations			CAN\$/US\$ 0.01 change	-
Translation - U.S. subsidiaries			CAN\$/US\$ 0.01 change	3

¹ Sensitivity calculated according to 2020 volumes or consumption with year-end closing exchange rate of CAN(US) 1.30 and CAN(E) 1.54, excluding hedging programs and the impact of related expenses such as discounts, commissions on sales and profit-sharing. ² Based on 2020 external manufacturing & converting shipments, and fibre and pulp consumption. Including purchases sourced internally from our recovery and recycling operations. Adjusted to reflect acquisitions, disposals and closures, if needed. ³ As an example, based on CAN(US) 1.30 to CAN(US) 1.31, and from CAN(E) 1.54 to CAN(E) 1.55.

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