



STEPPING UP

MORGAN STANLEY

Global Chemicals, Agriculture and Packaging Conference – Fireside

November 9, 2022

Michael McMurray – CFO

lyondellbasell
Advancing Possible

CAUTIONARY STATEMENT

The statements in this presentation relating to matters that are not historical facts are forward-looking statements. These forward-looking statements are based upon assumptions of management of LyondellBasell which are believed to be reasonable at the time made and are subject to significant risks and uncertainties. When used in this presentation, the words “estimate,” “believe,” “continue,” “could,” “intend,” “may,” “plan,” “potential,” “predict,” “should,” “will,” “expect,” and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain such identifying words. Actual results could differ materially based on factors including, but not limited to, market conditions, the business cyclicalities of the chemical, polymers and refining industries; the availability, cost and price volatility of raw materials and utilities, particularly the cost of oil, natural gas, and associated natural gas liquids; uncertainties and impacts related to the extent and duration of the pandemic; competitive product and pricing pressures; labor conditions; our ability to attract and retain key personnel; operating interruptions (including leaks, explosions, fires, weather-related incidents, mechanical failure, unscheduled downtime, supplier disruptions, labor shortages, strikes, work stoppages or other labor difficulties, transportation interruptions, spills and releases and other environmental risks); the supply/demand balances for our and our joint ventures’ products, and the related effects of industry production capacities and operating rates; our ability to manage costs; future financial and operating results; benefits and synergies of any proposed transactions; legal and environmental proceedings; tax rulings, consequences or proceedings; technological developments, and our ability to develop new products and process technologies; our ability to meet our sustainability goals, including the ability to operate safely, increase production of recycled and renewable-based polymers to meet our targets and forecasts, and reduce our emissions and achieve net zero emissions by the time set in our respective goals; our ability to procure energy from renewable sources; the successful shut down and closure of the Houston Refinery, including within the expected timeframe; our ability to successfully implement initiatives identified pursuant to our value enhancement program and generate anticipated earnings; potential governmental regulatory actions; political unrest and terrorist acts; risks and uncertainties posed by international operations, including foreign currency fluctuations; and our ability to comply with debt covenants and to repay our debt. Additional factors that could cause results to differ materially from those described in the forward-looking statements can be found in the “Risk Factors” section of our Form 10-K for the year ended December 31, 2021, which can be found at www.LyondellBasell.com on the Investor Relations page and on the Securities and Exchange Commission’s website at www.sec.gov. There is no assurance that any of the actions, events or results of the forward-looking statements will occur, or if any of them do, what impact they will have on our results of operations or financial condition. Forward-looking statements speak only as of the date they were made and are based on the estimates and opinions of management of LyondellBasell at the time the statements are made. LyondellBasell does not assume any obligation to update forward-looking statements should circumstances or management’s estimates or opinions change, except as required by law.

This presentation contains time sensitive information that is accurate only as of the date hereof. Information contained in this presentation is unaudited and is subject to change. We undertake no obligation to update the information presented herein except as required by law.

See APPENDIX for a discussion of the Company’s use of non-GAAP financial measures and reconciliations of these measures to the nearest comparable GAAP measures.

PERFORMANCE SNAPSHOT

RESILIENT PORTFOLIO DELIVERING VALUE IN DYNAMIC MARKETS

\$4.3 B

NET INCOME
3Q22 LTM

\$7.7 B

EBITDA
ex. Identified Items
3Q22 LTM

\$7.6 B

CASH FROM
OPERATING ACTIVITIES
3Q22 LTM

19%

RETURN ON
INVESTED CAPITAL
3Q22 LTM

REPORTING SEGMENTS

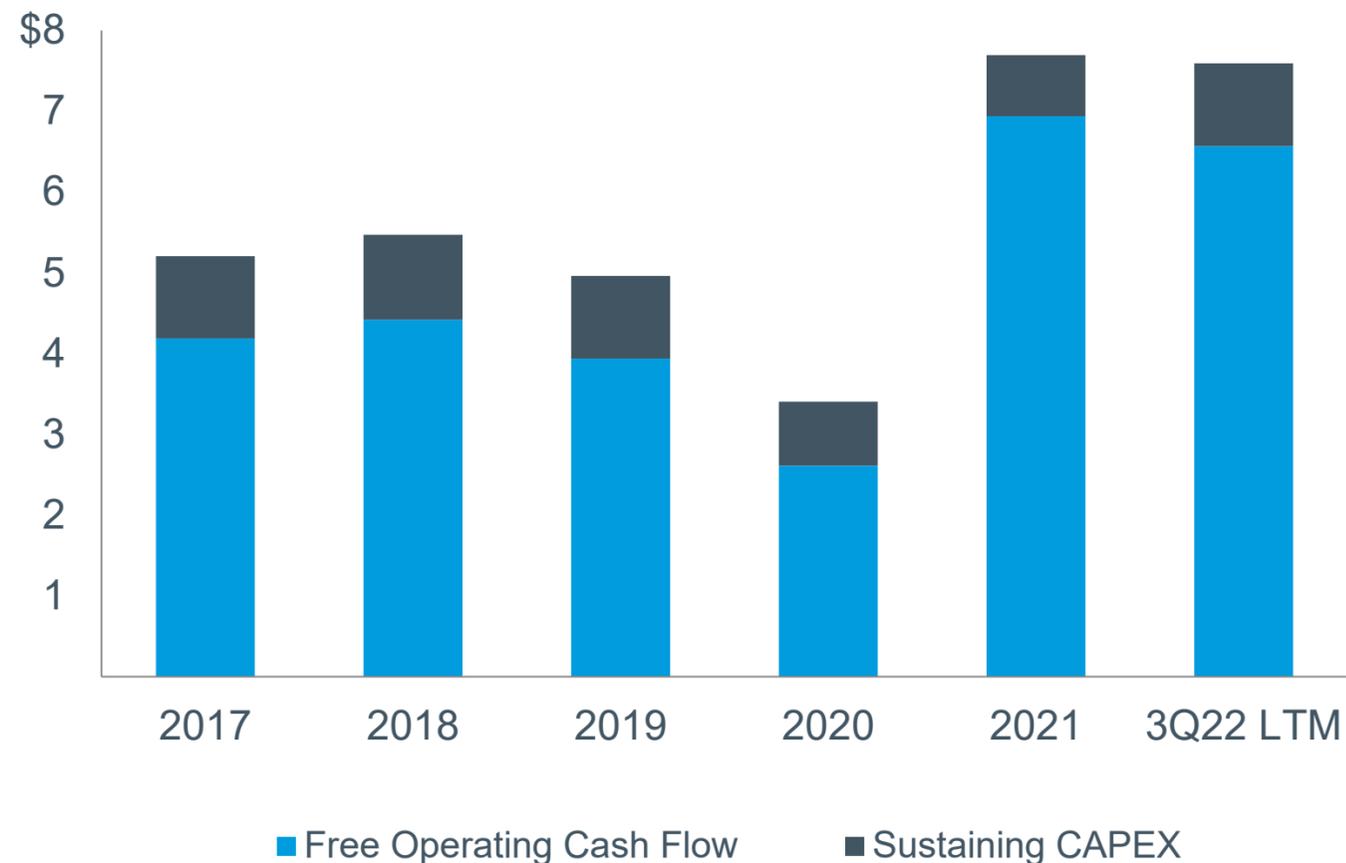
3Q22 LTM

	EBITDA	EBITDA ex. Identified Items
Olefins & Polyolefins – Americas	\$3,637 MM	\$3,637 MM
Olefins & Polyolefins – EAI	\$419 MM	\$488 MM
Intermediates & Derivatives	\$1,833 MM	\$1,833 MM
Advanced Polymer Solutions	\$333 MM	\$333 MM
Refining	\$198 MM	\$906 MM
Technology	\$480 MM	\$480 MM

ROBUST CASH GENERATION

OUTSTANDING CASH CONVERSION DRIVEN BY PROACTIVE WORKING CAPITAL MANAGEMENT

Cash from Operating Activities
USD, billions



\$5.5 B

FREE CASH FLOW
3Q22 LTM



\$1.5 B

CASH AND CASH EQUIVALENTS
Balance as of September 30, 2022



100%

CASH CONVERSION
3Q22 LTM



\$4.0 B

RETURNED TO SHAREHOLDERS IN
DIVIDENDS AND SHARE REPURCHASES
3Q22 LTM

Note: Free operating cash flow is net cash provided by operating activities minus sustaining (maintenance and HSE) capital expenditures. Free cash flow is net cash provided by operating activities minus capital expenditures. Cash Conversion equals net cash provided by operating activities divided by EBITDA excluding LCM and impairments.

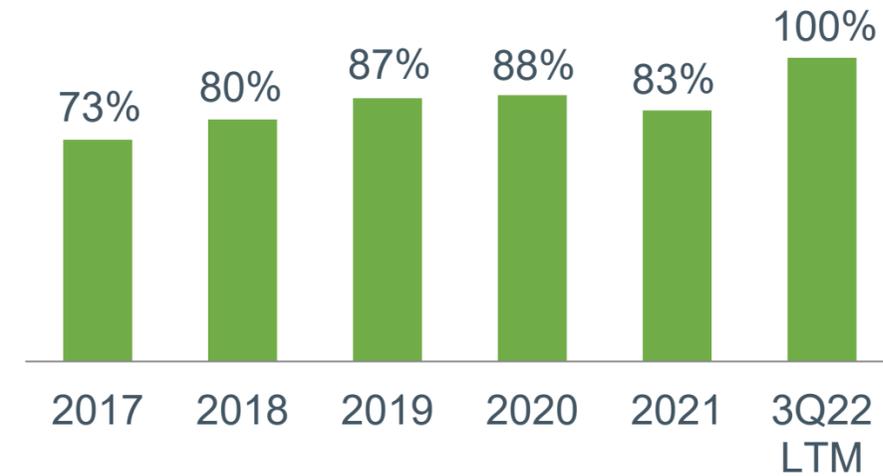
RESILIENT VALUE GENERATION

EQUIPPED TO DELIVER STRONG RETURNS UNDER A WIDE RANGE OF MARKET CONDITIONS

POSITIONED FOR SUCCESS

- 1** Core values of safety, cost management and operational excellence instilled across our company
- 2** Portfolio diversity and leading positions across regions and end-markets
- 3** Leadership in Circular and Low Carbon Solutions
- 4** Intense focus on people and culture while launching customer and commercial excellence initiatives to improve agility and accountability for generating differential value
- 5** Value enhancement program to drive \$750 MM in recurring annual EBITDA improvement

EFFICIENT CASH CONVERSION



SECURE CAPITAL STRUCTURE

1.3x	Net debt to EBITDA ex. LCM and impairment 3Q22 LTM	3.9%	Weighted average cost of debt 3Q22
\$5.3 B	Liquidity 3Q22	5x	Dividend coverage 3Q22 LTM

LYONDELLBASELL'S CIRCULAR AND LOW CARBON SOLUTIONS

ENTREPRENEURIAL BUSINESS UNIT TO ACCELERATE GROWTH AND MONETIZE OPPORTUNITIES FOR SUSTAINABLE SOLUTIONS



CIRCULENRecover

Mechanical recycling

including QCP joint venture



CIRCULENRevive

Advanced recycling

leveraging LyondellBasell's

MoReTec technology



CIRCULENRenew

Renewable

bio-based feedstocks



Low Carbon Solutions

Addressing customer needs
for products with a lower GHG
emissions footprint



**Business and
operating model
to support
rapidly growing
customer demand**



150,000+ Tons

of recycled or renewable-based
polymers sold by LyondellBasell
since 2019



2,000,000+ Tons

of recycled or renewable-based
polymers sold annually by 2030

2 MM tons is ~20% of LyondellBasell's
2021 PE and PP global sales



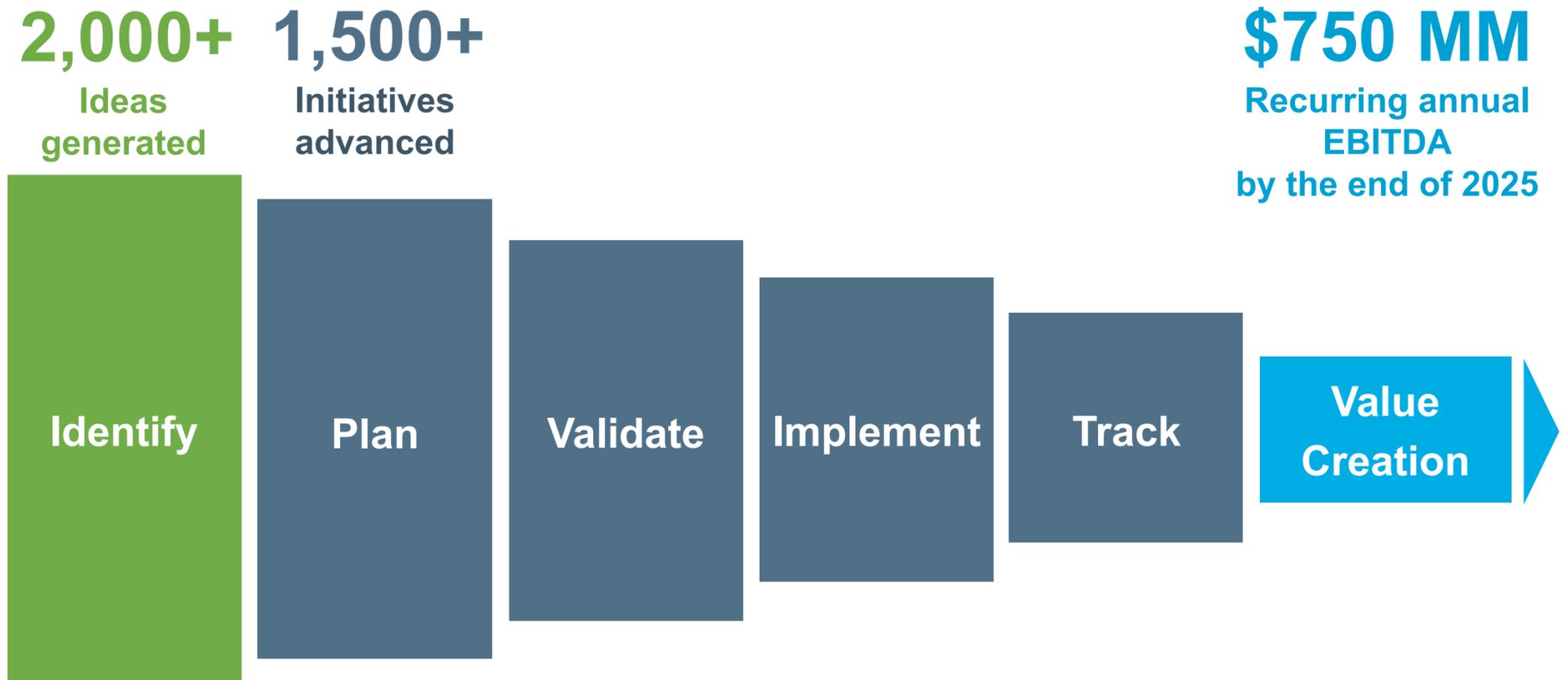
LYONDELLBASELL'S VALUE ENHANCEMENT PROGRAM

UNLOCKING VALUE THROUGH DISCIPLINED ALLOCATION OF RESOURCES

Key Value Opportunities



Continuous Process



CAPTURING VALUE

MAXIMIZING CASH GENERATION WHILE ADVANCING LONG-TERM STRATEGY

DELIVERING RESULTS

Outstanding safety performance

Challenging global O&P markets

Oxyfuels and Refining margins remain above historical averages

Focused on capital discipline and high returns for shareholders

ADVANCING SUSTAINABILITY

Launched Circular and Low Carbon Solutions business unit

Announced four new plastic waste recycling partnerships

MARKET OUTLOOK

Seasonally weaker demand, new supply and volatile energy costs leading to margin headwinds

Reducing our operating rates to match lower demand

Improved China economic activity could help drive 2023 recovery

STRATEGY DEVELOPMENT

Progress toward our North Star:

- New organizational design
- Aligning our business models to better serve customer needs
- Targeting \$750 MM in value creation

Capital Markets Day
in New York
March 2023

APPENDIX

INFORMATION RELATED TO FINANCIAL MEASURES

This presentation makes reference to certain “non-GAAP” financial measures as defined in Regulation G of the U.S. Securities Exchange Act of 1934, as amended.

We report our financial results in accordance with U.S. generally accepted accounting principles, but believe that certain non-GAAP financial measures, such as EBITDA and EBITDA exclusive of identified items provide useful supplemental information to investors regarding the underlying business trends and performance of the company's ongoing operations and are useful for period-over-period comparisons of such operations. Non-GAAP financial measures should be considered as a supplement to, and not as a substitute for, or superior to, the financial measures prepared in accordance with GAAP. We calculate EBITDA as income from continuing operations plus interest expense (net), provision for (benefit from) income taxes, and depreciation and amortization. We also present EBITDA exclusive of identified items. Identified items include adjustments for “lower of cost or market” (“LCM”), impairment and refinery exit costs. LCM is an accounting rule consistent with GAAP related to the valuation of inventory. Our inventories are stated at the lower of cost or market. Cost is determined using the last-in, first-out (“LIFO”) inventory valuation methodology, which means that the most recently incurred costs are charged to cost of sales and inventories are valued at the earliest acquisition costs. Fluctuation in the prices of crude oil, natural gas and correlated products from period to period may result in the recognition of charges to adjust the value of inventory to the lower of cost or market in periods of falling prices and the reversal of those charges in subsequent interim periods, within the same fiscal year as the charge, as market prices recover. Property, plant and equipment are recorded at historical costs. If it is determined that an asset or asset group's undiscounted future cash flows will not be sufficient to recover the carrying amount, an impairment charge is recognized to write the asset down to its estimated fair value. In April 2022 we announced our decision to cease operation of our Houston Refinery no later than the end of 2023. In connection with exiting the refinery business, we began to incur costs primarily consisting of accelerated lease amortization costs, personnel related costs and depreciation of asset retirement costs.

Free cash flow, free operating cash flow, net debt to EBITDA excluding LCM and impairment and cash conversion are measures commonly used by investors to evaluate liquidity. For purposes of this presentation free cash flow means net cash provided by operating activities minus capital expenditures. Free operating cash flow means net cash provided by operating activities minus sustaining (maintenance and health, safety and environment) capital expenditures. Net debt to EBITDA excluding LCM and impairment means total debt minus cash and cash equivalents, restricted cash and short-term investments divided by EBITDA excluding LCM and impairment. Cash conversion means net cash provided by operating activities divided by EBITDA excluding LCM and impairment.

Return on invested capital is a measure commonly used by investors to evaluate the efficiency at which a company's capital is allocated to generate income during a particular period. Return on invested capital means income from continuing operations, adjusted for interest expense, net of tax and items affecting comparability between periods divided by a two-year average of invested capital adjusted for items affecting comparability.

These measures as presented herein, may not be comparable to similarly titled measures reported by other companies due to differences in the way the measures are calculated. Reconciliations for our non-GAAP measures can be found on our website at www.LyondellBasell.com/investorrelations.

Reconciliations of Net Income to EBITDA Including and Excluding Identified Items

	Year Ended	Nine Months Ended		Last Twelve
	December 31, 2021	September 30, 2021	September 30, 2022	Months September 30, 2022
Millions of dollars				
Net income	\$ 5,617	\$ 4,891	\$ 3,536	\$ 4,262
Loss from discontinued operations, net of tax	6	1	3	8
Income from continuing operations	5,623	4,892	3,539	4,270
Provision for income taxes	1,163	1,028	848	983
Depreciation and amortization ^(a)	1,393	1,016	933	1,310
Interest expense, net	510	358	189	341
add: Identified items				
LCM charges (benefits), pre-tax	—	—	—	—
Impairments	624	—	69	693
Refinery exit costs ^(b)	—	—	84	84
EBITDA excluding identified items	9,313	7,294	5,662	7,681
less: Identified items				
LCM (charges) benefits, pre-tax	—	—	—	—
Impairments	(624)	—	(69)	(693)
Refinery exit costs ^(b)	—	—	(84)	(84)
EBITDA	<u>\$ 8,689</u>	<u>\$ 7,294</u>	<u>\$ 5,509</u>	<u>\$ 6,904</u>

(a) Depreciation and amortization includes depreciation of asset retirement costs of \$8 million expensed during the three and nine months ended September 30, 2022 in connection with exiting the Refining business.

(b) Refinery exit costs include accelerated lease amortization costs and personnel related costs of \$36 million and \$48 million, respectively, in the three and nine months ended September 30, 2022.

Note: Last twelve months September 30, 2022 is calculated as year ended December 31, 2021 plus nine months ended September 30, 2022, minus nine months ended September 30, 2021.

Calculation of LTM Free Cash Flow

	Year Ended	Nine Months Ended		Last Twelve
	December 31, 2021	September 30, 2021	September 30, 2022	Months September 30, 2022
Millions of dollars				
Net cash provided by operating activities	\$ 7,695	\$ 4,616	\$ 4,515	\$ 7,594
Less:				
Capital expenditures	1,959	1,285	1,417	2,091
Free cash flow	<u>\$ 5,736</u>	<u>\$ 3,331</u>	<u>\$ 3,098</u>	<u>\$ 5,503</u>

Note: Last twelve months September 30, 2022 is calculated as year ended December 31, 2021 plus nine months ended September 30, 2022, minus nine months ended September 30, 2021.

Reconciliation of EBITDA to EBITDA Excluding Identified Items by Segment

Millions of dollars	Year Ended	Nine Months Ended		Last Twelve
	December 31, 2021	September 30, 2021	September 30, 2022	Months September 30, 2022
EBITDA:				
Olefins & Polyolefins - Americas	\$ 5,273	\$ 4,011	\$ 2,375	\$ 3,637
Olefins & Polyolefins - EAI	1,749	1,594	264	419
Intermediates & Derivatives	1,378	1,126	1,581	1,833
Advanced Polymer Solutions	409	385	309	333
Refining	(624)	(150)	672	198
Technology	514	341	307	480
Other	(10)	(13)	1	4
Continuing Operations	<u>\$ 8,689</u>	<u>\$ 7,294</u>	<u>\$ 5,509</u>	<u>\$ 6,904</u>
Add: Identified items				
Impairments:				
Olefins & Polyolefins - EAI	\$ —	\$ —	\$ 69	\$ 69
Refining	624	—	—	624
Refinery exit costs:				
Refining	—	—	84	84
Total Identified items	<u>\$ 624</u>	<u>\$ —</u>	<u>\$ 153</u>	<u>\$ 777</u>
EBITDA excluding Identified items:				
Olefins & Polyolefins - Americas	\$ 5,273	\$ 4,011	\$ 2,375	\$ 3,637
Olefins & Polyolefins - EAI	1,749	1,594	333	488
Intermediates & Derivatives	1,378	1,126	1,581	1,833
Advanced Polymer Solutions	409	385	309	333
Refining	—	(150)	756	906
Technology	514	341	307	480
Other	(10)	(13)	1	4
Continuing Operations	<u>\$ 9,313</u>	<u>\$ 7,294</u>	<u>\$ 5,662</u>	<u>\$ 7,681</u>

Return on Invested Capital

Millions of dollars	Three Months Ended				Last Twelve Months	
	September 30, 2021	December 31, 2021	March 31, 2022	June 30, 2022	September 30, 2022	
Net income		\$ 726	\$ 1,320	\$ 1,644	\$ 572	\$ 4,262
Loss from discontinued operations, net of tax		5	1	1	1	8
Income from continuing operations		731	1,321	1,645	573	4,270
Add:						
Interest expense, net		152	72	54	63	341
Tax effect		(28)	(14)	(10)	(13)	(65)
Interest expense, net, after tax		124	58	44	50	276
Items effecting comparability:						
Impairments - Refinery, after tax		481	—	—	—	481
Refinery exit costs, after tax ^(a)		—	—	—	70	70
Total items effecting comparability		481	—	—	70	551
Adjusted income from continuing operations		1,336	1,379	1,689	693	5,097
Divided by:						
Average adjusted invested capital:						
Shareholders' equity	11,800				12,191	
Long-term debt	12,945				10,445	
Operating lease liabilities	1,518				1,514	
Current debt:						
Current maturities of long-term debt	8				432	
Short-term debt	563				439	
Invested capital	26,834				25,021	
Cumulative effect of adjustments, after tax ^(b)	446				997	
Adjusted invested capital	\$ 27,280				\$ 26,018	
2-Yr average adjusted invested capital					\$ 26,649	
Return on average adjusted invested capital					19 %	

(a) Refinery exit costs, after-tax, include accelerated lease amortization costs, personnel related costs and depreciation of asset retirement costs of \$36 million, \$48 million and \$8 million, respectively, net of tax of \$22 million, in the third quarter of 2022.

(b) Cumulative effect of adjustments, after tax, at September 30, 2022 includes impairments, after tax, of \$446 million and \$481 million recognized in 2020 and 2021, respectively, and refinery exit costs.

Note: Last twelve months September 30, 2022 is calculated as the sum of the quarters ended December 31, 2021, March 31, 2022, June 30, 2022 and September 30, 2022.

Reconciliation of Net Cash Provided by Operating Activities to Free Operating Cash Flow

Millions of dollars	Year Ended December 31,					Nine Months Ended		Last Twelve Months
	2017	2018	2019	2020	2021	September 30, 2021	September 30, 2022	September 30, 2022
	Net cash provided by operating activities	\$ 5,206	\$ 5,471	\$ 4,961	\$ 3,404	\$ 7,695	\$ 4,616	\$ 4,515
less:								
Sustaining (maintenance and HSE) capital expenditures	1,019	1,052	1,024	793	758	470	738	1,026
Free operating cash flow	<u>\$ 4,187</u>	<u>\$ 4,419</u>	<u>\$ 3,937</u>	<u>\$ 2,611</u>	<u>\$ 6,937</u>	<u>\$ 4,146</u>	<u>\$ 3,777</u>	<u>\$ 6,568</u>

Note: Last twelve months September 30, 2022 is calculated as year ended December 31, 2021 plus nine months ended September 30, 2022, minus nine months ended September 30, 2021.

Calculation of Cash Conversion

Millions of dollars	Year Ended December 31,					Last Twelve Months
	2017	2018	2019	2020	2021	September 30, 2022
Net cash provided by operating activities	\$ 5,206	\$ 5,471	\$ 4,961	\$ 3,404	\$ 7,695	\$ 7,594
Less:						
Sustaining (maintenance and HSE) capital expenditures	1,019	1,052	1,024	793	758	1,026
Free operating cash flow	\$ 4,187	\$ 4,419	\$ 3,937	\$ 2,611	\$ 6,937	\$ 6,568
Divided by:						
EBITDA excluding LCM and impairment ^(a)	\$ 7,134	\$ 6,867	\$ 5,725	\$ 3,883	\$ 9,313	\$ 7,597
Cash conversion ^(b)	<u>73 %</u>	<u>80 %</u>	<u>87 %</u>	<u>88 %</u>	<u>83 %</u>	<u>100 %</u>

(a) See Reconciliation of Net Cash Provided by Operating Activities to EBITDA Including and Excluding LCM and Impairment for a reconciliation of net cash provided by operating activities to EBITDA including and excluding LCM and impairment.

(b) Cash conversion is the ratio of net cash provided by operating activities to EBITDA excluding LCM and impairment.

Reconciliation of Net Cash Provided by Operating Activities to EBITDA Including and Excluding LCM and Impairment

Millions of dollars	Year Ended December 31,					Nine Months Ended		Last Twelve Months
	2017	2018	2019	2020	2021	September 30, 2021	September 30, 2022	September 30, 2022
Net cash provided by operating activities	\$ 5,206	\$ 5,471	\$ 4,961	\$ 3,404	\$ 7,695	\$ 4,616	\$ 4,515	\$ 7,594
Adjustments:								
Depreciation and amortization	(1,174)	(1,241)	(1,312)	(1,385)	(1,393)	(1,016)	(933)	(1,310)
Impairments	—	—	—	(582)	(624)	—	(69)	(693)
Amortization of debt-related costs	(15)	(14)	(11)	(21)	(35)	(21)	(11)	(25)
Charges related to repayment of debt	(49)	—	—	—	—	—	—	—
Share-based compensation	(55)	(39)	(48)	(55)	(66)	(50)	(54)	(70)
Inventory valuation charges	—	—	(33)	(16)	—	—	—	—
Equity income (loss), net of distributions of earnings	12	(18)	(22)	97	146	220	(194)	(268)
Deferred income tax benefit (provision)	587	(260)	(209)	(331)	198	(7)	(83)	122
Gain on sale of business and equity method investments	108	36	—	—	—	—	—	—
Changes in assets and liabilities that used (provided) cash:								
Accounts receivable	521	(433)	(367)	246	1,519	1,915	(134)	(530)
Inventories	237	141	129	(340)	742	741	601	602
Accounts payable	(165)	199	251	(217)	(1,301)	(1,139)	(200)	(362)
Other, net	(336)	848	58	627	(1,264)	(368)	98	(798)
Net income	4,877	4,690	3,397	1,427	5,617	4,891	3,536	4,262
Loss from discontinued operations, net of tax	18	8	7	2	6	1	3	8
Income from continuing operations	4,895	4,698	3,404	1,429	5,623	4,892	3,539	4,270
Provision for (benefit from) income taxes	598	613	648	(43)	1,163	1,028	848	983
Depreciation and amortization	1,174	1,241	1,312	1,385	1,393	1,016	933	1,310
Interest expense, net	467	315	328	514	510	358	189	341
add: Identified items								
add: LCM charges	—	—	33	16	—	—	—	—
add: Impairments	—	—	—	582	624	—	69	693
Refinery exit costs, pre-tax ^(c)	—	—	—	—	—	—	—	—
EBITDA excluding LCM and impairment	7,134	6,867	5,725	3,883	9,313	7,294	5,578	7,597
less: Identified items								
less: LCM charges	—	—	(33)	(16)	—	—	—	—
less: Impairments	—	—	—	(582)	(624)	—	(69)	(693)
EBITDA	\$ 7,134	\$ 6,867	\$ 5,692	\$ 3,285	\$ 8,689	\$ 7,294	\$ 5,509	\$ 6,904

Note: Last twelve months September 30, 2022 is calculated as year ended December 31, 2021 plus nine months ended September 30, 2022, minus nine months ended September 30, 2021.

Reconciliation of Total Debt to Net Debt and Calculation of LTM Net Debt to EBITDA excluding LCM and Impairment

<u>Millions of dollars</u>	<u>September 30, 2022</u>
Current maturities of long-term debt	\$ 432
Short-term debt	439
Long-term debt	<u>10,445</u>
Total debt	11,316
Less:	
Cash and cash equivalents	1,480
Restricted cash	6
Short-term investments	—
Net debt	<u>\$ 9,830</u>
Divided by:	
LTM EBITDA excluding LCM and impairment ^(a)	\$ 7,597
LTM Net Debt to EBITDA excluding LCM and impairment ^(a)	<u><u>1.3</u></u>

(a) See Reconciliation of Net Cash Provided by Operating Activities to EBITDA Including and Excluding LCM and Impairment for a reconciliation of net cash provided by operating activities to EBITDA including and excluding LCM and impairment.

Components of Cash and Liquid Investments and Total Liquidity

<u>Millions of dollars</u>	<u>September 30, 2022</u>
Cash and cash equivalents and restricted cash	\$ 1,486
Short-term investments	<u>—</u>
Cash and liquid investments	<u>\$ 1,486</u>
Availability under Senior Revolving Credit Facility	\$ 2,950
Availability under U.S. Receivables Facility	<u>900</u>
Total liquidity	<u><u>\$ 5,336</u></u>

Calculation of LTM Dividends and Share Repurchases and Dividend Coverage Ratio

	Year Ended	Nine Months Ended		Last Twelve
	December 31, 2021	September 30, 2021	September 30, 2022	Months September 30, 2022
Millions of dollars				
Repurchases of Company ordinary shares	\$ 463	\$ 78	\$ 420	\$ 805
Dividends - common stock	1,486	1,110	1,155	1,531
Special dividends - common stock	—	—	1,704	1,704
Dividends and share repurchases	<u>\$ 1,949</u>	<u>\$ 1,188</u>	<u>\$ 3,279</u>	<u>\$ 4,040</u>
Net cash provided by operating activities	\$ 7,695	\$ 4,616	\$ 4,515	\$ 7,594
Dividends - common stock ^(a)	1,486	1,110	1,155	1,531
Dividend Coverage Ratio				<u>5.0</u>

(a) Dividends - common stock represents regular quarterly dividends paid excluding special dividends paid in June 2022.

Note: Last twelve months September 30, 2022 is calculated as year ended December 31, 2021 plus nine months ended September 30, 2022, minus nine months ended September 30, 2021.