


STEPPING UP

J.P. MORGAN

Industrials Conference – Fireside

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Ken Lane – Interim CEO

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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 cyclicality 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; our ability to identify, evaluate and complete any strategic alternative related to the refinery; 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, 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; 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 amend, extend, repay, redeem, service, and reduce 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.

STEPPING UP

WELL POSITIONED PORTFOLIO CAPTURING VALUE AND MAXIMIZING FREE CASH FLOW

LEADING advantaged positions

CONSISTENT financial strategy

MAXIMIZING free cash flow

PERFORMANCE SNAPSHOT

ROBUST DEMAND AND TIGHT MARKETS LED TO RECORD RESULTS

$5.6 B

NET INCOME
2021

$9.3 B

EBITDA
ex. LCM and Impairment
2021

$5.7 B

FREE
CASH FLOW
2021

25%

RETURN ON
INVESTED CAPITAL
2021

REPORTING SEGMENTS

EBITDA ex. LCM and Impairment

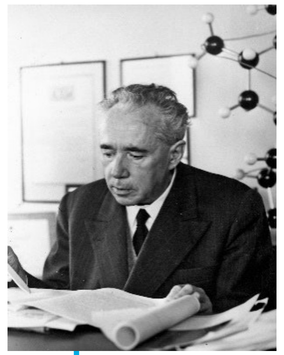
2021

Olefins & Polyolefins – Americas	$5,273 MM
Olefins & Polyolefins – Europe, Asia, International	$1,749 MM
Intermediates & Derivatives	$1,378 MM
Advanced Polymer Solutions	$409 MM
Refining	$-- MM
Technology	$514 MM

Notes: **Lower of cost or market ("LCM")** is an accounting rule consistent with GAAP related to the valuation of inventory. This adjustment is related to the change in pricing for many of our raw material and finished goods inventories. **Free cash flow** is cash from operating activities minus capital expenditures. **Return on invested capital** means income from continuing operations, adjusted for interest expense (net of tax) and special items affecting comparability between periods divided by a two-year average of invested capital adjusted for LCM and cumulative impairments affecting comparability.

STEPPING UP INNOVATION

OUR PRODUCTS AND TECHNOLOGIES HAVE DRIVEN GROWTH IN THE PETROCHEMICAL INDUSTRY FOR 65+ YEARS

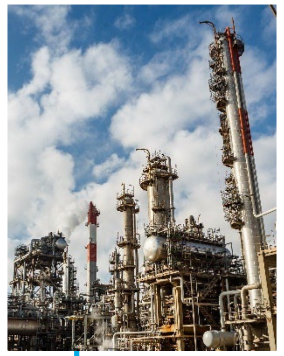


1953-1954

Ziegler and Natta breakthroughs in **PE** and **PP**

1955

Introduced ***Hostalen*** HDPE process



1969

Commercialized our proprietary ***PO/TBA*** process

1973

Launched our proprietary ***PO/SM*** process

1982

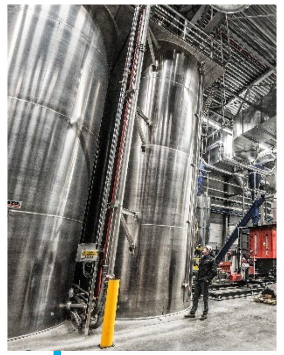
Introduced ***Spheripol***, the most widely-used polyolefins process

1990

Developed ***Catalloy*** process technology for advanced resins

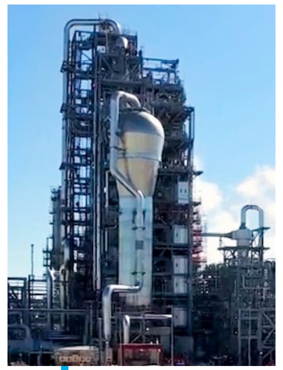
2002

Introduced ***Spherizone*** PP process technology



2018

Partnered with SUEZ to create **Quality Circular Polymers (QCP)**



2020

Start-up of first world-scale ***Hyperzone*** HDPE plant

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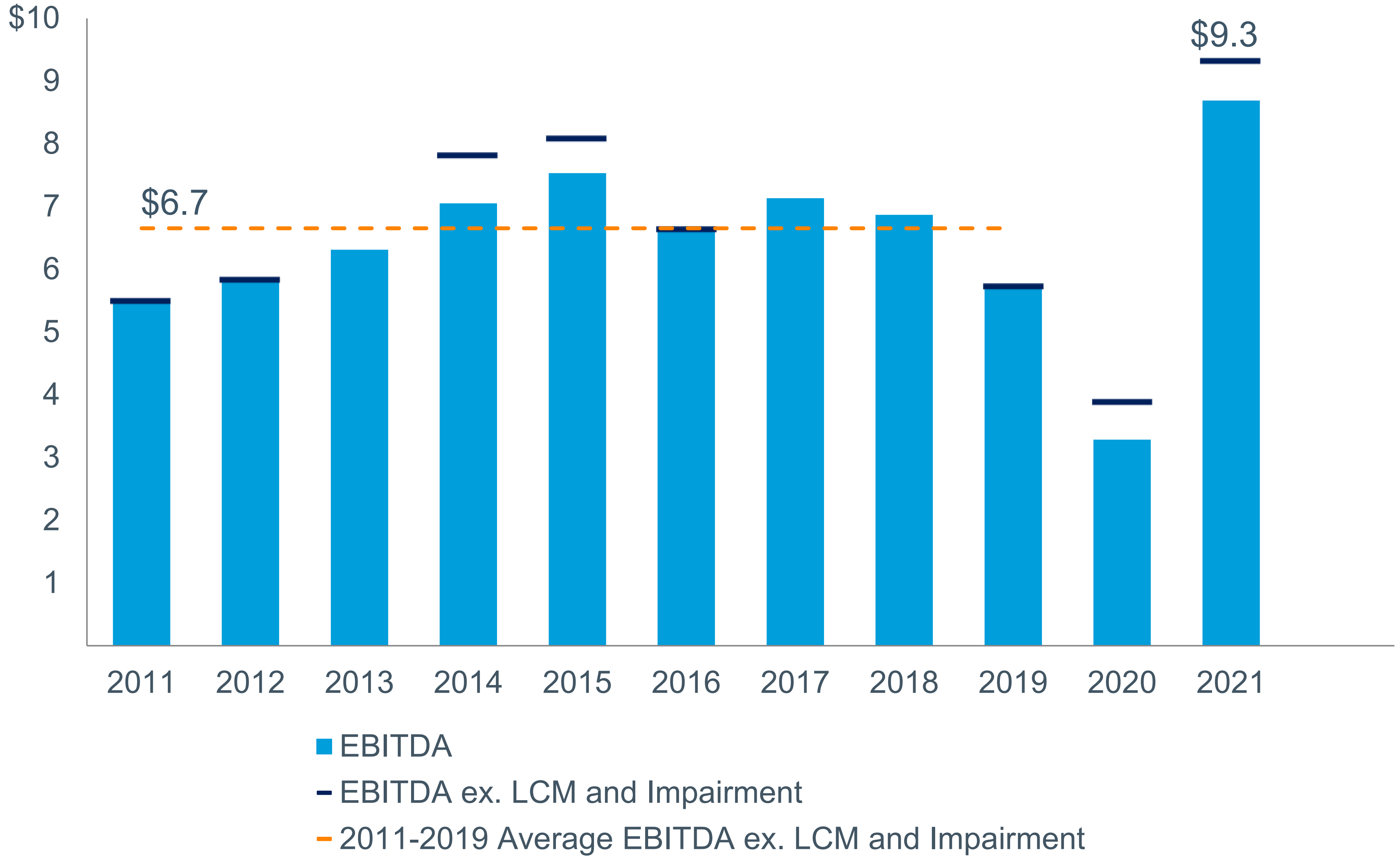
STEPPING UP EARNINGS

STRONG MARKETS AND LARGER ASSET BASE GENERATING ADDITIONAL EARNINGS

EBITDA ex. LCM and Impairment
USD, billions



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STEPPING UP

STRONG MOMENTUM WITH CONTINUED DISCIPLINE, FURTHER GROWTH AND SUSTAINABLE VALUE

EARNINGS

Larger global portfolio

Commissioning 2 new PO plants

Improving outlook for APS and fuel markets

CAPITAL ALLOCATION

Strong dividend and share repurchases

Deleveraging complete

Committed to investment-grade rating

Prudent investments

CIRCULARITY & CLIMATE COMMITMENTS

Growing *Circulen* products to 2 million tons by 2030

Reducing emissions 30% by 2030

Net Zero by 2050

Notes: Scope 1 & 2 emissions. 2030 goal is relative to 2020 levels. Please see our Cautionary Statement for a discussion of the factors that could impact these goals.

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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 exclusive of adjustment for “lower of cost or market” (“LCM”) and impairment 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 adjustments for LCM and impairment. 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 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. Estimated EBTIDA for projects and joint ventures is calculated as nameplate capacity multiplied by 2017-2019 average cash margins assuming 40% of the polyethylene, propylene oxide and methyl tertiary butyl ether from U.S. production is exported to Asia. Estimated EBITDA cannot be reconciled to net income due to the inherent difficulty in quantifying certain amounts that are necessary for such reconciliation, including adjustments that could be made for interest expense (net), provision for (benefit from) income taxes, depreciation & amortization and other changes reflected in the reconciliation of historical numbers, the amounts of which, based on historical experience, could be significant.

Free cash flow, free operating cash flow and free operating cash flow yield are measures of profitability commonly used by investors to evaluate performance. 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. Free operating cash flow yield means the ratio of free operating cash flow to market capitalization.

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.

Reconciliation of Net Income to EBITDA, including and excluding LCM and Impairment

Millions of dollars	Three Months Ended March 31, 2020	June 30, 2020	September 30, 2020	December 31, 2020	Year Ended December 31, 2020	Three Months Ended March 31, 2021	June 30, 2021	September 30, 2021	December 31, 2021	Year Ended December 31, 2021
Net income	$ 144	$ 314	$ 114	$ 855	$ 1,427	$ 1,070	$ 2,059	$ 1,762	$ 726	$ 5,617
add: LCM charges (benefits), after-tax	351	(88)	(133)	(119)	11	-	-	-	-	-
add: Impairment, after tax	-	-	446	-	446	-	-	-	481	481
Net income excluding LCM and impairment	495	226	427	736	1,884	1,070	2,059	1,762	1,207	6,098
less: LCM (charges) benefits, after-tax	(351)	88	133	119	(11)	-	-	-	-	-
less: Impairments, after-tax	-	-	(446)	-	(446)	-	-	-	(481)	(481)
Net income	144	314	114	855	1,427	1,070	2,059	1,762	726	5,617
Loss (income) from discontinued operations, net of tax	(1)	1	-	2	2	2	(2)	1	5	6
Income from continuing operations	143	315	114	857	1,429	1,072	2,057	1,763	731	5,623
Provision for (benefit from) income taxes	75	(32)	(125)	39	(43)	70	506	452	135	1,163
Depreciation and amortization	342	356	358	329	1,385	335	330	351	377	1,393
Interest expense, net	86	121	119	188	514	108	125	125	152	510
add: LCM charges (benefits), pre-tax	419	(96)	(160)	(147)	16	-	-	-	-	-
EBITDA excluding LCM	1,065	664	306	1,266	3,301	1,585	3,018	2,691	1,395	8,689
add: Impairments, pre-tax	-	-	582	-	582	-	-	-	624	624
EBITDA excluding LCM and impairment	1,065	664	888	1,266	3,883	1,585	3,018	2,691	2,019	9,313
less: LCM (charges) benefits, pre-tax	(419)	96	160	147	(16)	-	-	-	-	-
less: Impairments, pre-tax	-	-	(582)	-	(582)	-	-	-	(624)	(624)
EBITDA	$ 646	$ 760	$ 466	$ 1,413	$ 3,285	$ 1,585	$ 3,018	$ 2,691	$ 1,395	$ 8,689

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

Millions of dollars	Year Ended December 31, 2016	2017	2018	2019	2020	2021
Net cash provided by operating activities	$ 5,606	$ 5,206	$ 5,471	$ 4,961	$ 3,404	$ 7,695
Less:						
Sustaining (maintenance and HSE) capital expenditures	1,109	1,019	1,052	1,024	793	758
Free operating cash flow	$ 4,497	$ 4,187	$ 4,419	$ 3,937	$ 2,611	$ 6,937

Reconciliation of EBITDA to EBITDA Excluding LCM and Impairment by Segment

Millions of dollars	Year Ended December 31, 2020	Three Months Ended March 31, 2021	June 30, 2021	September 30, 2021	December 31, 2021	Year Ended December 31, 2021
EBITDA:						
Olefins & Polyolefins - Americas	$ 1,810	$ 867	$ 1,576	$ 1,568	$ 1,262	$ 5,273
Olefins & Polyolefins - EAI	826	412	708	474	155	1,749
Intermediates & Derivatives	833	182	596	348	252	1,378
Advanced Polymer Solutions	378	135	129	121	24	409
Refining	(871)	(110)	(81)	41	(474)	(624)
Technology	324	94	92	155	173	514
Other	(15)	5	(2)	(16)	3	(10)
Continuing Operations	$ 3,285	$ 1,585	$ 3,018	$ 2,691	$ 1,395	$ 8,689
Add: LCM charges (benefits), pre-tax:						
Olefins & Polyolefins - Americas	$ 3	$ -	$ -	$ -	$ -	$ -
Olefins & Polyolefins - EAI	-	-	-	-	-	-
Intermediates & Derivatives	10	-	-	-	-	-
Advanced Polymer Solutions	3	-	-	-	-	-
Refining	-	-	-	-	-	-
Continuing Operations	$ 16	$ -	$ -	$ -	$ -	$ -
EBITDA excluding LCM:						
Olefins & Polyolefins - Americas	$ 1,813	$ 867	$ 1,576	$ 1,568	$ 1,262	$ 5,273
Olefins & Polyolefins - EAI	826	412	708	474	155	1,749
Intermediates & Derivatives	843	182	596	348	252	1,378
Advanced Polymer Solutions	381	135	129	121	24	409
Refining	(871)	(110)	(81)	41	(474)	(624)
Technology	324	94	92	155	173	514
Other	(15)	5	(2)	(16)	3	(10)
Continuing Operations	$ 3,301	$ 1,585	$ 3,018	$ 2,691	$ 1,395	$ 8,689
Add: Impairment, pre-tax:						
Refining	$ 582	$ -	$ -	$ -	$ 624	$ 624
EBITDA excluding LCM and impairment:						
Olefins & Polyolefins - Americas	$ 1,813	$ 867	$ 1,576	$ 1,568	$ 1,262	$ 5,273
Olefins & Polyolefins - EAI	826	412	708	474	155	1,749
Intermediates & Derivatives	843	182	596	348	252	1,378
Advanced Polymer Solutions	381	135	129	121	24	409
Refining	(289)	(110)	(81)	41	150	-
Technology	324	94	92	155	173	514
Other	(15)	5	(2)	(16)	3	(10)
Continuing Operations	$ 3,883	$ 1,585	$ 3,018	$ 2,691	$ 2,019	$ 9,313

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Cash Conversion and Free Operating Cash Flow Yield

Millions of Dollars (except share data)	Year Ended December 31, 2021
Free operating cash flow	$ 6,937
Add:	
Sustaining (maintenance and HSE) capital expenditures	758
Net cash provided by operating activities	$ 7,695
Divided by:	
EBITDA excluding LCM and impairment[(a)]	$ 9,313
Cash conversion[(b)]	83%
Market Capital:	
Common stock outstanding	329,536,389
Closing Share Price, end of period	$ 92.23
Market Capital	$ 30,393
Free Operating Cash Flow Yield	23%

(a) EBITDA excluding LCM and impairment see Reconciliation of Net Income 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 Income to EBITDA, including and excluding LCM and Impairment

	Year Ended December 31,										
Millions of dollars	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Net income	$ 2,140	$ 2,834	$ 3,853	$ 4,168	$ 4,474	$ 3,837	$ 4,877	$ 4,690	$ 3,397	$ 1,427	$ 5,617
Loss from discontinued operations, net of tax	332	24	7	4	5	10	18	8	7	2	6
Income from continuing operations	2,472	2,858	3,860	4,172	4,479	3,847	4,895	4,698	3,404	1,429	5,623
Provision for (benefit from) income taxes	1,059	1,327	1,136	1,540	1,730	1,386	598	613	648	(43)	1,163
Depreciation and amortization	931	983	1,021	1,019	1,047	1,064	1,174	1,241	1,312	1,385	1,393
Interest expense, net	1,007	640	294	319	277	305	467	315	328	514	510
add: LCM charges, pre-tax	-	-	-	760	548	29	-	-	33	16	-
add: Impairments, pre-tax	23	22	-	-	-	-	-	-	-	582	624
EBITDA excluding LCM and impairment	5,492	5,830	6,311	7,810	8,081	6,631	7,134	6,867	5,725	3,883	9,313
less: LCM charges, pre-tax	-	-	-	(760)	(548)	(29)	-	-	(33)	(16)	-
less: Impairments, pre-tax	(23)	(22)	-	-	-	-	-	-	-	(582)	(624)
EBITDA	$ 5,469	$ 5,808	$ 6,311	$ 7,050	$ 7,533	$ 6,602	$ 7,134	$ 6,867	$ 5,692	$ 3,285	$ 8,689

Calculation of Selling, General and Administrative Expenses (SG&A) as a Percentage of Revenue

Millions of dollars	Year Ended December 31, 2017	2018	2019	2020	Average (2017-2020)
SG&A	$ 859	$ 1,129	$ 1,199	$ 1,140	$ 1,082
Revenue	34,484	39,004	34,727	27,753	33,992
SG&A as a percentage of revenue					3.2 %

Calculation of Free Cash Flow

Millions of dollars	Year Ended December 31, 2021
Net cash provided by operating activities	$ 7,695
Less:	
Capital expenditures	1,959
Free cash flow	$ 5,736

Return on Invested Capital

Millions of Dollars	2016	2017	2018	2019	2020	2021
	Year Ended December 31,					
Income from continuing operations		$ 4,895	$ 4,698	$ 3,404	$ 1,429	$ 5,623
Add:						
Interest expense, net		467	315	328	514	510
Tax effect		(120)	(57)	(62)	(123)	(103)
Interest expense, net, after tax		347	258	266	391	407
Special items effecting comparability:						
Tax benefit due to change in tax law from U.S. Tax Cuts and Jobs Act	-	(819)	-	-	-	-
Gain from sale of assets/subsidiaries, after tax	(78)	(123)	(34)	-	-	-
Tax benefit from release of previously unrecognized tax benefits and associated accrued interest	-	-	(346)	(85)	-	-
Acquisition-related costs - A. Schulman, after tax	-	-	57	89	33	-
LCM charges, after tax	18	-	-	25	11	-
Restructuring charges - Refinery, after tax	-	-	-	-	6	-
Impairments - Refinery, after tax	-	-	-	-	446	481
Total special items	(60)	(942)	(323)	29	496	481
Adjusted income from continuing operations		4,300	4,633	3,699	2,316	6,511
Divided by:						
Average adjusted invested capital:						
Shareholders' equity	6,048	8,949	10,257	8,044	7,971	11,858
Long-term debt	8,385	8,549	8,497	11,614	15,286	11,246
Operating lease liabilities	-	-	-	1,216	1,222	1,649
Current debt:						
Current maturities of long-term debt	2	2	5	3	8	6
Short-term debt	594	68	885	445	663	362
Invested capital	15,029	17,568	19,644	21,322	25,150	25,121
LCM and cumulative effect of impairments, after tax	18	-	-	25	457	927
Adjusted invested capital	$ 15,047	$ 17,568	$ 19,644	$ 21,347	$ 25,607	$ 26,048
2-year average adjusted invested capital		$ 16,308	$ 18,606	$ 20,496	$ 23,477	$ 25,828
Return on average adjusted invested capital		26%	25%	18%	10%	25%

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