

FOURTH QUARTER 2020 EARNINGS

January 29, 2021

lyondellbasell
Advancing Possible

CAUTIONARY STATEMENT AND INFORMATION RELATED TO FINANCIAL MEASURES

CAUTIONARY STATEMENT

The statements in this release and the related teleconference 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 release, 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 related to the extent and duration of the pandemic-related decline in demand, or other impacts due to the COVID-19 pandemic in geographic regions or markets served by us, or where our operations are located, including the risk of prolonged recession; 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 achieve expected cost savings and other synergies; our ability to successfully execute projects and growth strategies; 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; 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” sections of our Form 10-K for the year ended December 31, 2019, and our Forms 10-Q for the quarters ended March 31, 2020, and September 30, 2020, 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.

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.

EBITDA, as presented herein, may not be comparable to a similarly titled measure reported by other companies due to differences in the way the measure is calculated. We calculate EBITDA as income from continuing operations plus interest expense (net), provision for (benefit from) income taxes, and depreciation & amortization. EBITDA should not be considered an alternative to profit or operating profit for any period as an indicator of our performance, or as an alternative to operating cash flows as a measure of our liquidity. We also present EBITDA, net income and diluted EPS 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 EBITDA, as presented for future projects is calculated as volume multiplied by average historical margins. Estimated EBITDA cannot be reconciled to net income due to the inherent difficulty in forecasting and 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.

Cash from operating activities yield from EBITDA excluding LCM and impairment is a measure that provides an indicator of a company’s operational efficiency and management. Cash from operating activities yield from EBITDA excluding LCM and impairment, 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. For purposes of this presentation, cash from operating activities yield from EBITDA excluding LCM and impairment means cash from operating activities divided by EBITDA excluding LCM and impairment.

Change in cash working capital represents changes in Accounts receivable, Inventories and Account payable that (provided) used cash in our consolidated statements of cash flows.

Free cash flow is a measure of profitability commonly used by investors to evaluate performance. Free cash flow, 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. For purposes of this presentation, free cash flow means net cash provided by operating activities minus capital expenditures.

Additionally, liquidity is a measure that provides an indicator of value to investors. For purposes of this presentation, liquidity includes cash and cash equivalents, restricted cash and restricted cash equivalents, short term investments, and availability under our Senior Revolving Credit Facility and our Receivables Facility.

Reconciliations for our non-GAAP measures can be found on our website at www.LyondellBasell.com/investorrelations.

MAINTAINING OUR COMMITMENTS

BUILDING A STRONGER COMPANY FOR OUR INVESTORS, CUSTOMERS AND EMPLOYEES



PROTECTING EMPLOYEES

Maintained a safe work environment during pandemic

No company-wide workforce reductions

Bolstered diversity, equity and inclusion efforts

Maintained 401(k) and other benefits



SAFEGUARDING INVESTORS

Committed to investment-grade credit rating

Funded dividend and capex with cash from operations

Actively managed capex and working capital

Accelerated cost efficiency initiatives

2020 HIGHLIGHTS

MAINTAINED STRATEGIC FOCUS WHILE NAVIGATING THE PANDEMIC AND RECESSION



\$1.4 B

NET INCOME

\$1.9 B

NET INCOME
ex. LCM and Impairment



\$3.3 B

EBITDA

\$3.9 B

EBITDA
ex. LCM and Impairment



\$4.24

DILUTED EPS

\$5.61

DILUTED EPS
ex. LCM and Impairment



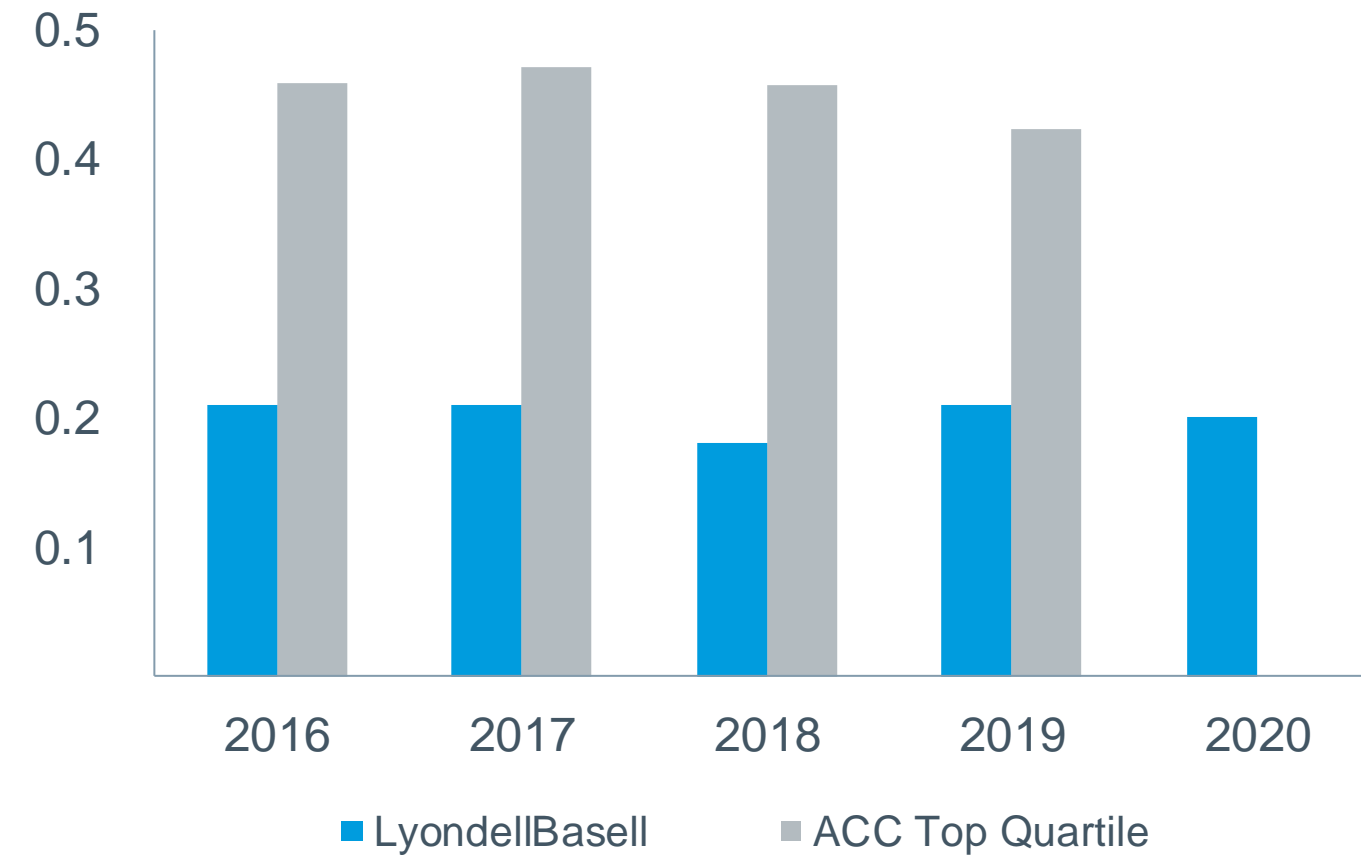
\$5.2 B

LIQUIDITY

CONSISTENT SAFETY FOCUS

IMPROVING SAFETY PERFORMANCE IN A CHALLENGING YEAR

Injuries per 200,000 hours worked



FACIAL COVERING



SOCIAL DISTANCING



HEALTH SCREENING



ADVANCING CIRCULAR PLASTICS

QCP PARTNERSHIP EXPANDS CAPACITY AND FOOTPRINT



EXPANDING LYB'S MECHANICAL RECYCLING NETWORK

2018 – Geleen, The Netherlands

2020 – Blandain, Belgium



ADVANCING PRODUCT OPTIONS

Expands the number of end-use applications

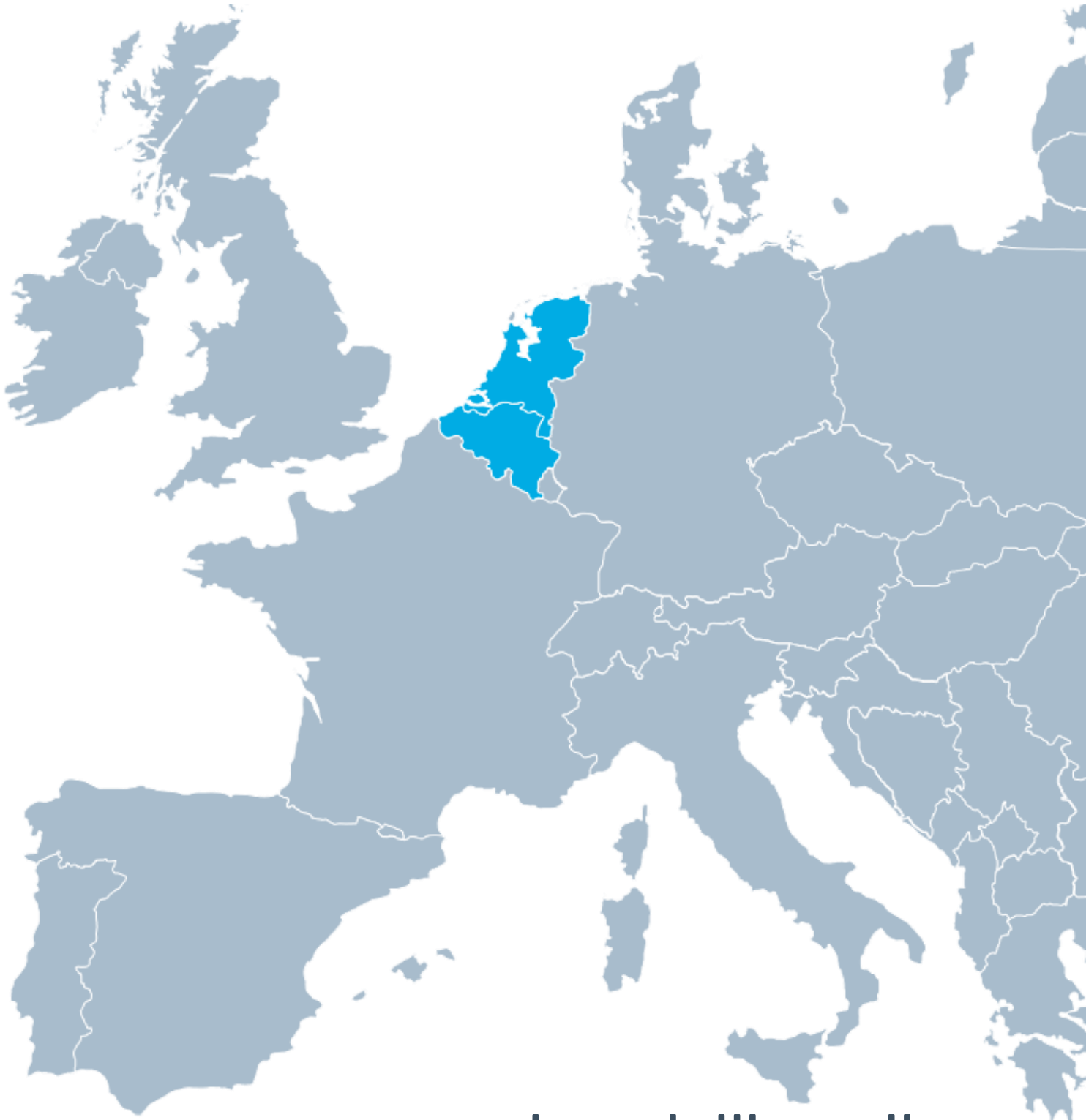
Assists brand owners to achieve sustainability goals



SUPPORTING SUSTAINABILITY INITIATIVES

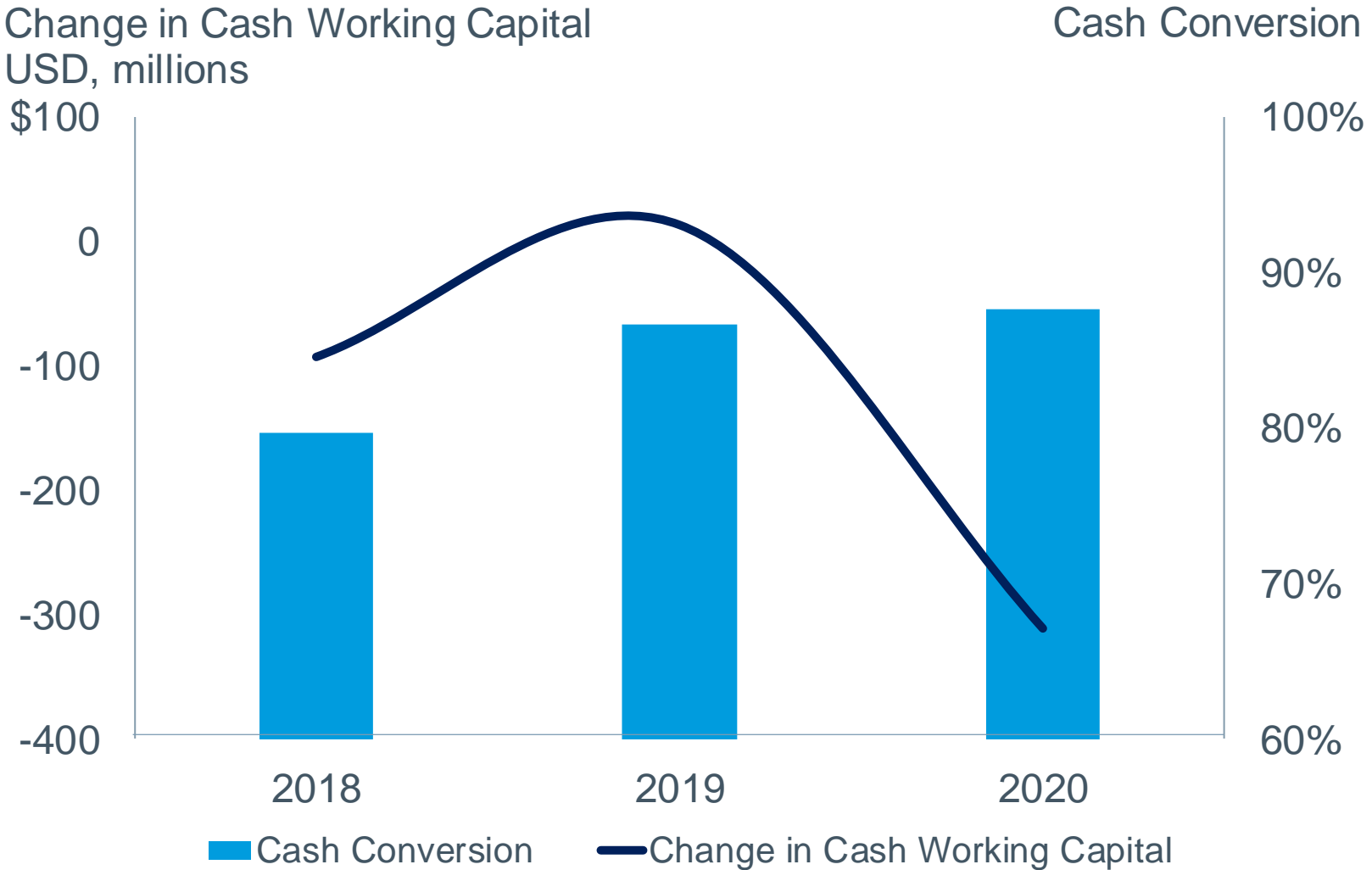
Expands LYB plastic waste recycling capacity to 55 K ton per year

Goal: Produce and market 2 MM ton of recycled and renewable-based polymers annually by 2030



STRONG CASH CONVERSION

DIVIDEND AND CAPITAL INVESTMENTS COVERED BY CASH FROM OPERATING ACTIVITIES



88%
CASH CONVERSION
2020



\$3.4 B
CASH FROM OPERATING ACTIVITIES
2020



\$1.4 B
DIVIDENDS PAID
2020

Note: Cash Conversion equals cash from operating activities divided by EBITDA excluding LCM and impairment.

CASH GENERATION AND DEPLOYMENT

ADVANCING ON OUR GROWTH STRATEGY DESPITE ECONOMIC DOWNTURN

DELIVERING RESULTS

Cash from operating activities \$3.4 B

GROWING THROUGH INVESTMENT

Ramped up PO/TBA activity in 4Q20

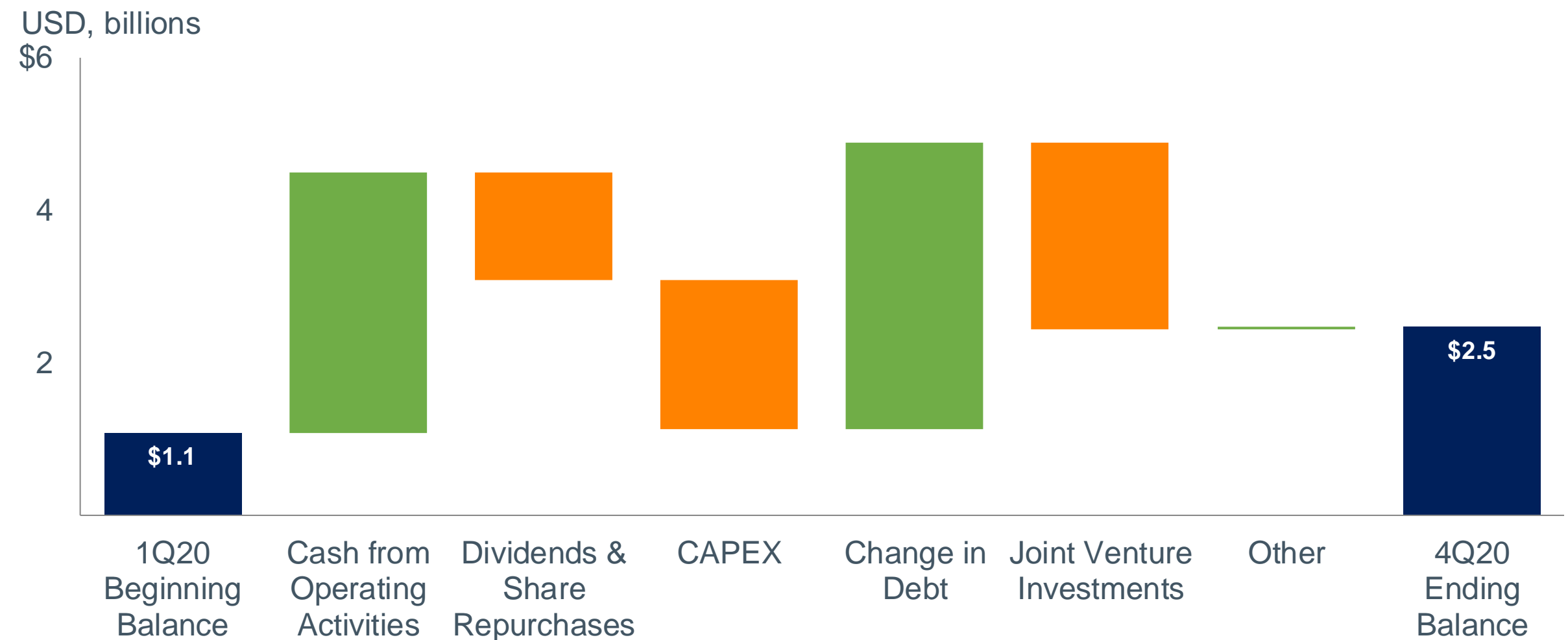
Established Bora JV in China

Formed Louisiana PE JV

PROVIDING AMPLE LIQUIDITY

\$5.2 B total liquidity

Well positioned for debt reduction



LYONDELLBASELL 2021 MODELING INFORMATION

CAPITAL EXPENDITURES	Total CAPEX	Sustaining CAPEX			
	~\$2.0 B	~\$1.0 B			
		Profit Generating CAPEX			
		~\$1.0 B			

MAJOR PLANNED MAINTENANCE EBITDA IMPACT ~\$170 MM		1Q	2Q	3Q	4Q
	O&P - EAI			~\$10 MM	~\$15 MM
	I&D	~\$20 MM	~\$60 MM	~\$35 MM	~\$30 MM

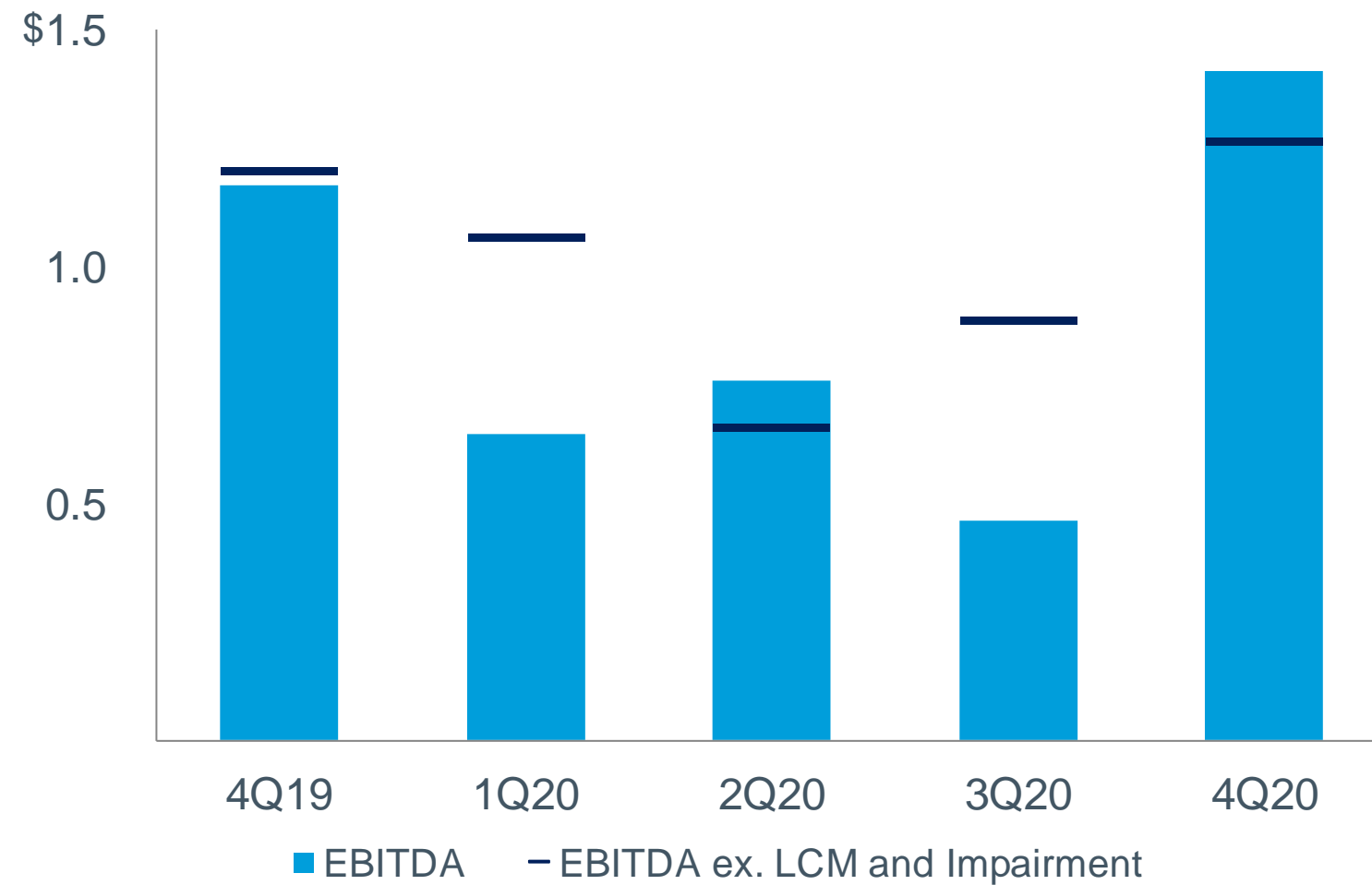
FINANCIAL METRICS
Net Interest Expense
~\$430 MM
Depreciation & Amortization
~\$1.4 B
Pension Contribution
~\$100 MM
Pension Expense
~\$100 MM
Effective Tax Rate
~17%

Note: Net interest expense includes ~\$90 MM capitalized interest. Major planned maintenance EBITDA impact is the estimated lost production multiplied by expected future margins.

RECOVERING MARKETS

DIVERSE GLOBAL PORTFOLIO REFLECTING SIGNIFICANT ECONOMIC RECOVERY

EBITDA ex. LCM and Impairment
USD, billions



STRONG CONSUMER DRIVEN DEMAND

Packaging and non-durable products

FURTHER INDUSTRIAL SECTOR RECOVERY

Automotive and other durable products

PERSISTENTLY LOW MOBILITY

Transportation fuels

GLOBAL POLYETHYLENE

FUTURE OPERATING RATES LIKELY COMPARABLE TO PREVIOUS CYCLES

2016 FORECAST

- Consultants predicted low operating rates 2017-2018
- Typical delays in new capacity maintained high operating rates

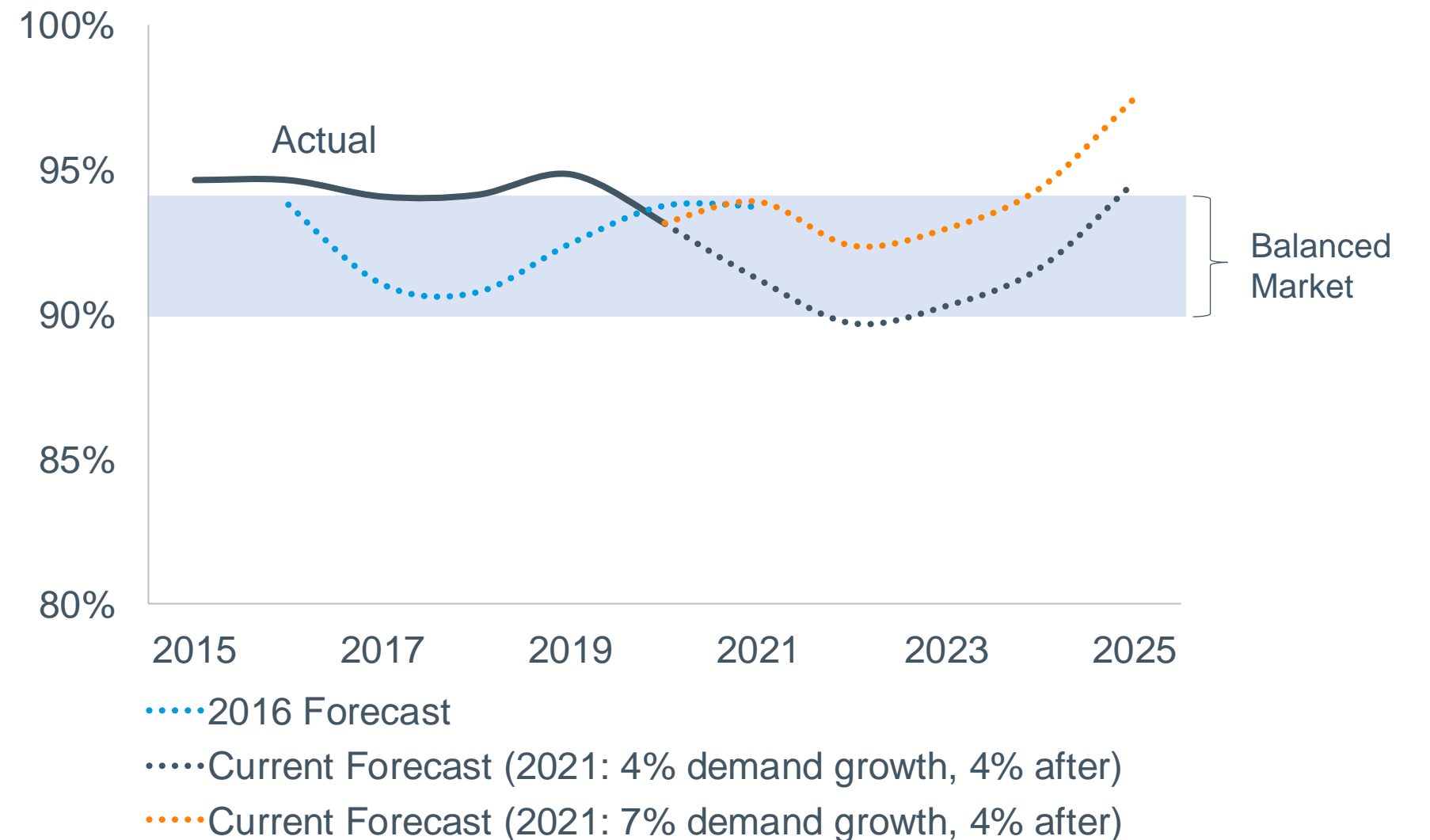
2020 ENVIRONMENT

- Global demand growth was 4%
- Persistent increases in demand from lifestyle changes

CURRENT FORECAST

- Consultants predict a low operating rate in 2022
- Capacity additions forecasted, primarily in China
- Typical delays likely to improve the operating rate forecast

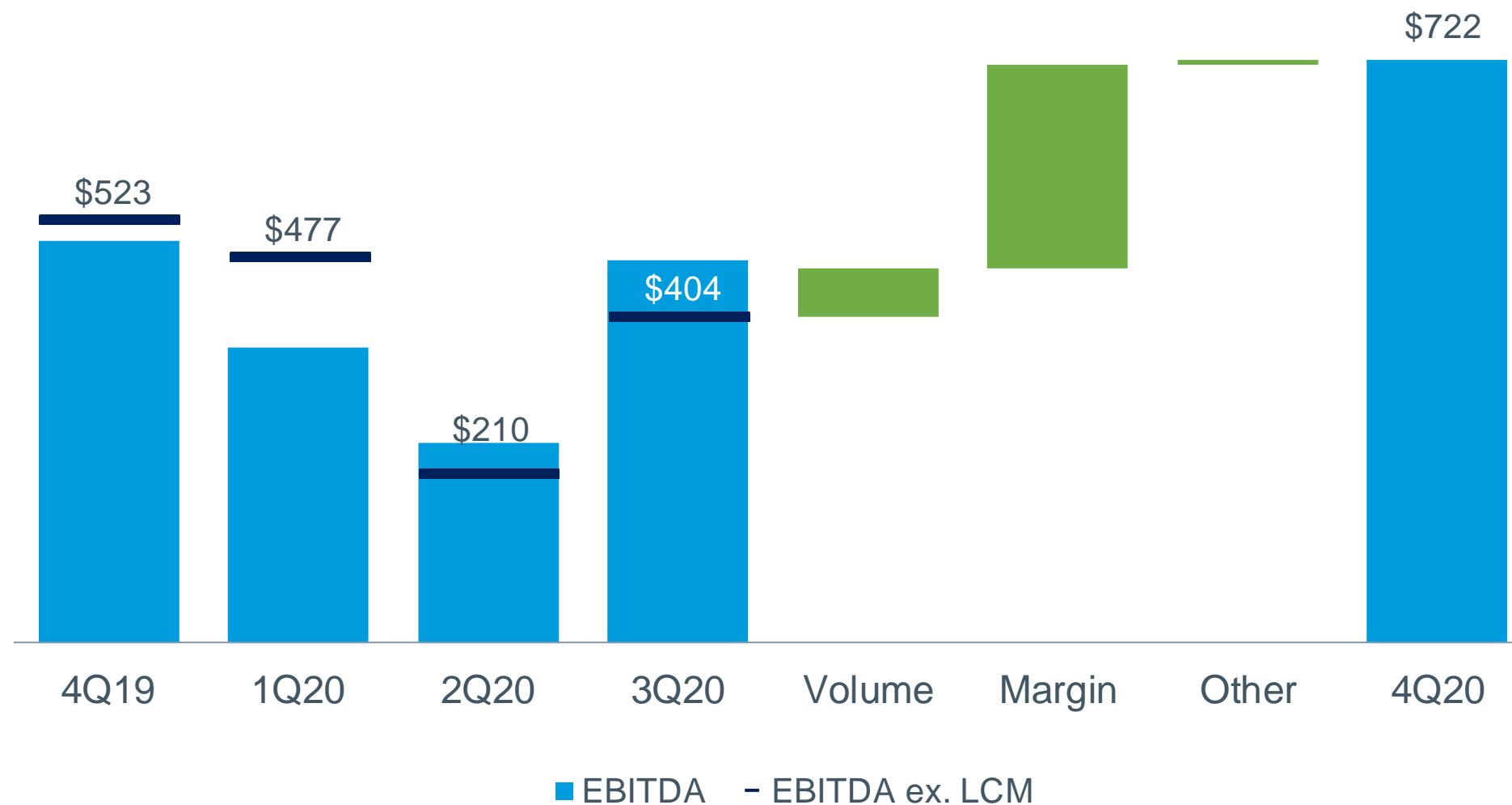
Effective Operating Rate



OLEFINS & POLYOLEFINS – AMERICAS

TIGHT MARKETS DROVE MARGIN AND VOLUME IMPROVEMENTS

EBITDA ex. LCM
USD, millions



OLEFINS

Higher ethylene and propylene prices driven by tight supply

Volumes increased due to higher demand

POLYOLEFINS

Polyethylene and polypropylene spreads improved

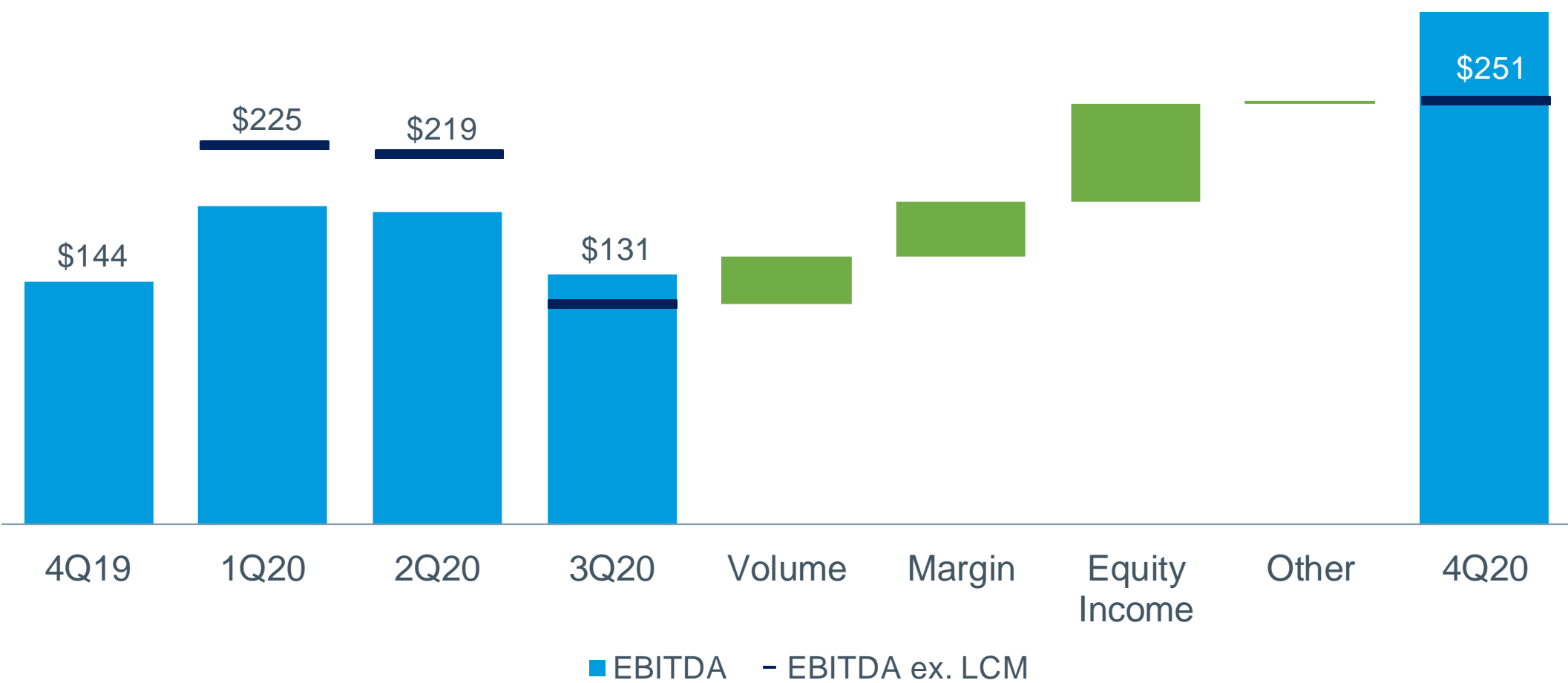
LOUISIANA JV

Accretive in 4Q20

OLEFINS & POLYOLEFINS – EUROPE, ASIA & INTERNATIONAL

IMPROVING DEMAND AND INCREASED BORA JV CONTRIBUTION DROVE IMPROVED PROFITABILITY

EBITDA ex. LCM
USD, millions



OLEFINS

Volume increased with higher operating rates
Margins lower due to higher maintenance expense

POLYOLEFINS

Polyethylene and polypropylene volume increased

EQUITY INCOME

Bora JV accretive in 4Q20

INTERMEDIATES & DERIVATIVES

EARNINGS GROWTH MUTED BY LOW OXYFUELS MARGINS

EBITDA ex. LCM
USD, millions



PO & DERIVATIVES

Margins increased due to strong Asia demand and market tightness

OXYFUELS & RELATED PRODUCTS

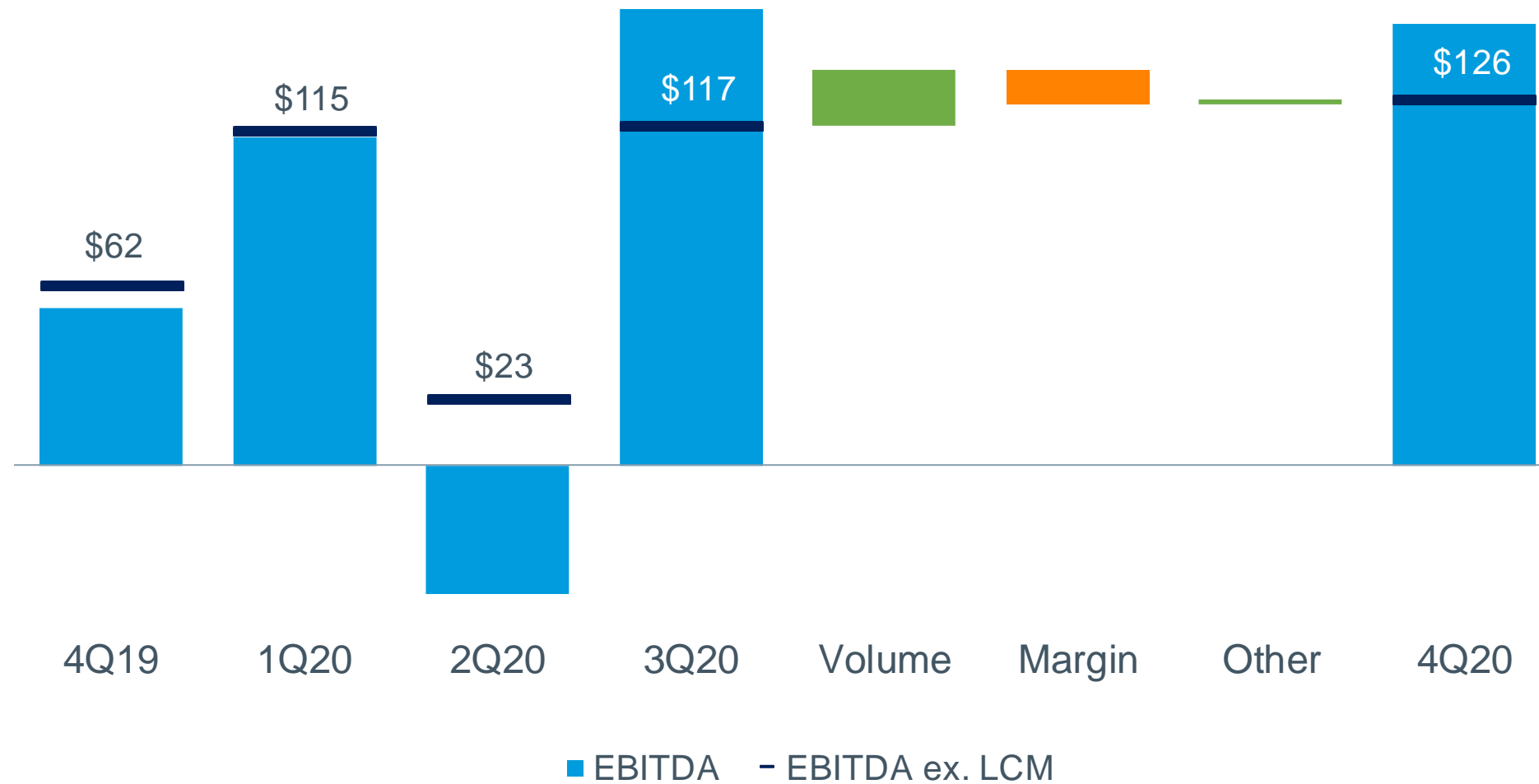
Volumes improved slightly

Margins decreased driven by low gasoline pricing and higher butane costs

ADVANCED POLYMER SOLUTIONS

VOLUME IMPROVEMENT FROM REBOUNDED AUTOMOTIVE MANUFACTURING

EBITDA ex. LCM
USD, millions



COMPOUNDING & SOLUTIONS

Volumes increased with improved automotive demand
 Margins declined on product prices lagging feedstocks

SYNERGIES

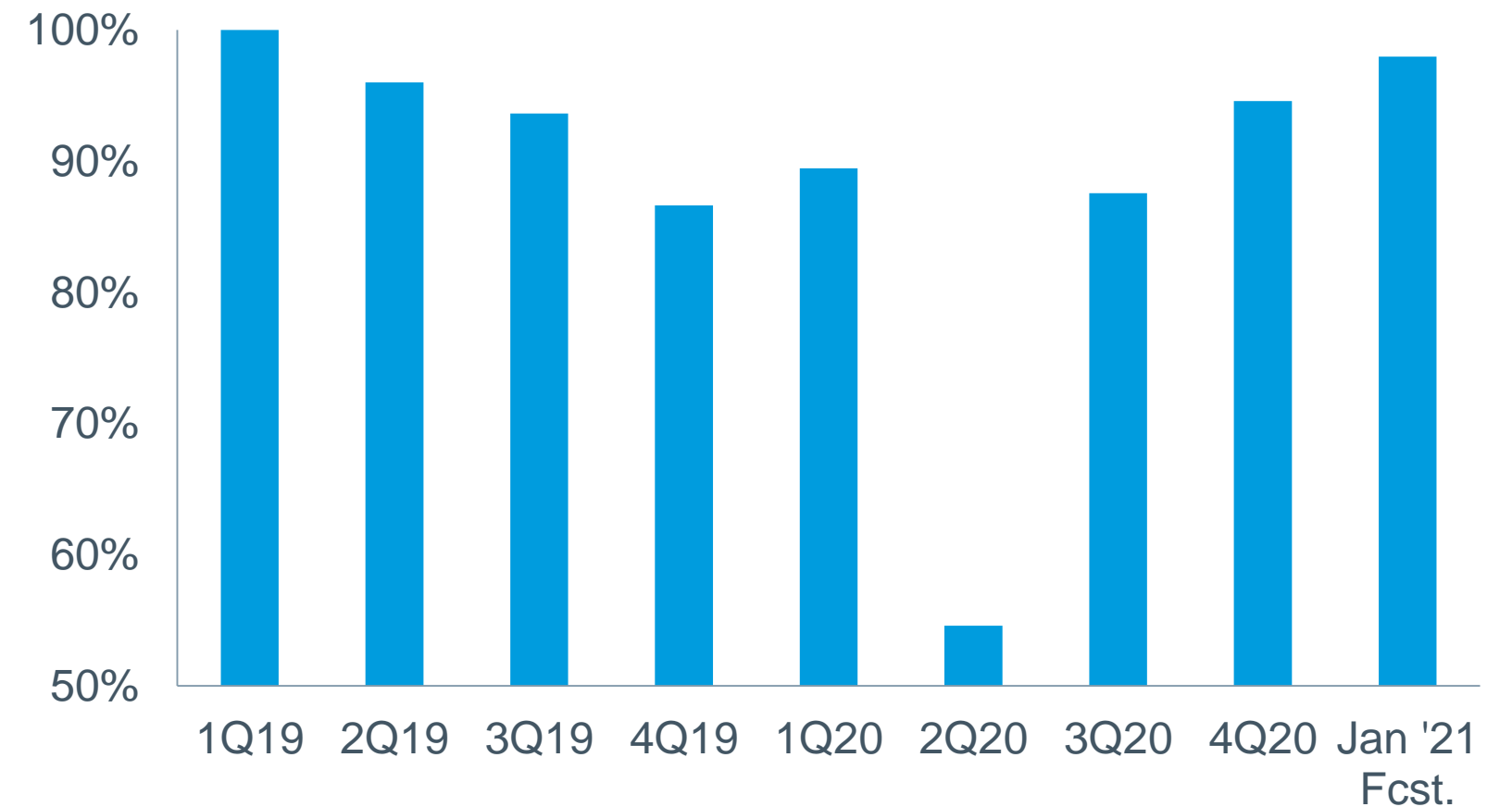
Beginning to capture >\$200 MM annual run rate
 Increasing visibility as volumes continue to recover

POLYPROPYLENE DURABLE GOODS

MARKETS SHOWING STRENGTH INTO FIRST QUARTER 2021

<p>CHINA PP DEMAND</p> <p>+10%</p> <p>2020 vs. 2019</p>	<p>LYB NORTH AMERICA & EUROPE DAYS OF PP INVENTORY HIT</p> <p>ALL-TIME LOWS</p> <p>During 4Q20</p>
<p>NORTH AMERICA ROOFING DEMAND</p> <p>+5%</p> <p>4Q20 vs. 4Q19</p>	<p>CHINA AUTOMOTIVE PRODUCTION</p> <p>+6%</p> <p>4Q20 vs. 4Q19</p>

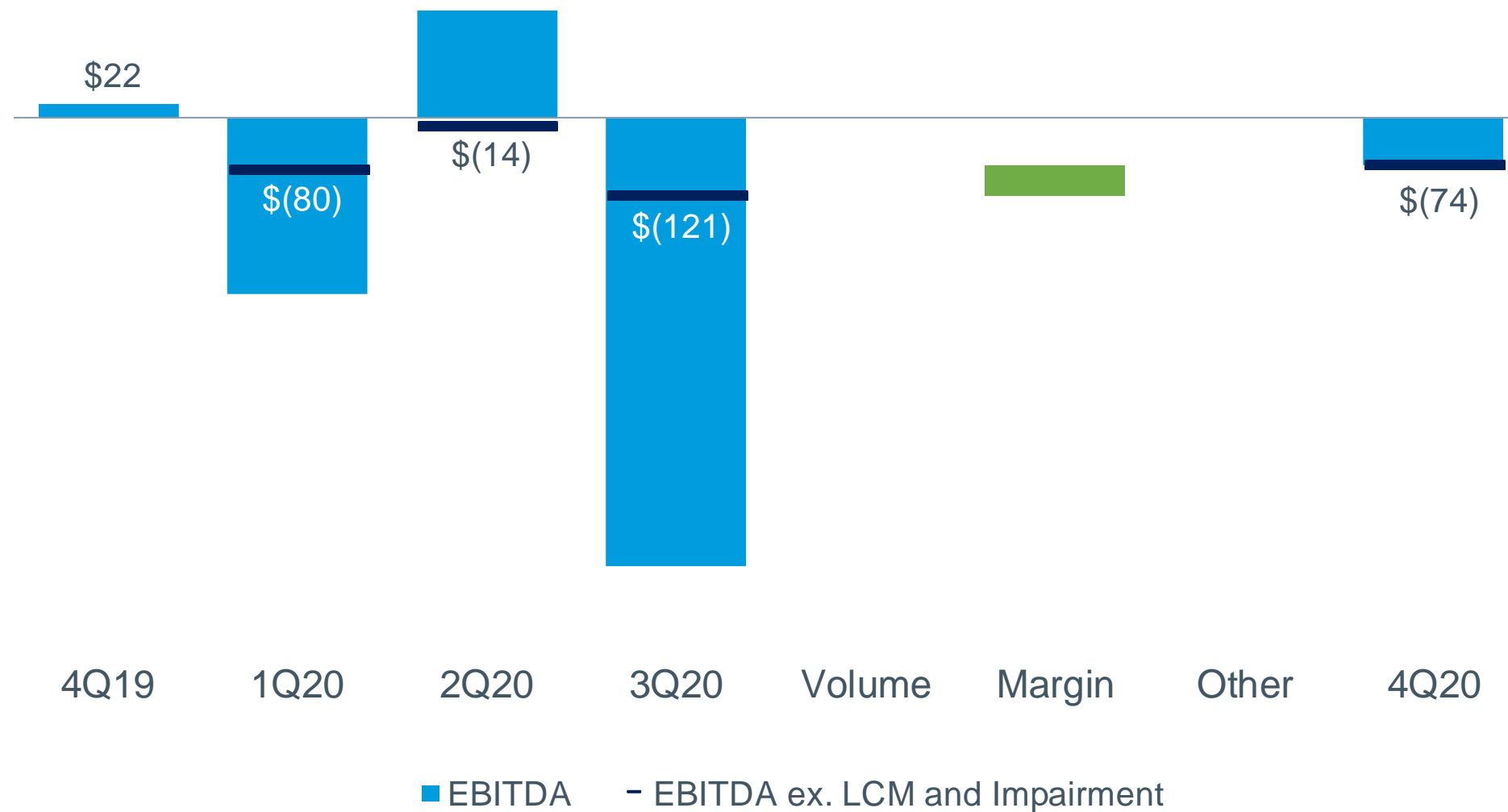
LYB PPC, EP and *Catalloy* Sales Volume Indexed to 1Q19



REFINING

LOW DEMAND FOR GASOLINE AND JET FUEL CONTINUE TO PRESSURE PROFITABILITY

EBITDA ex. LCM and Impairment
USD, millions



CRUDE THROUGHPUT

80% utilization rate matching reduced demand

MARGIN IMPROVED

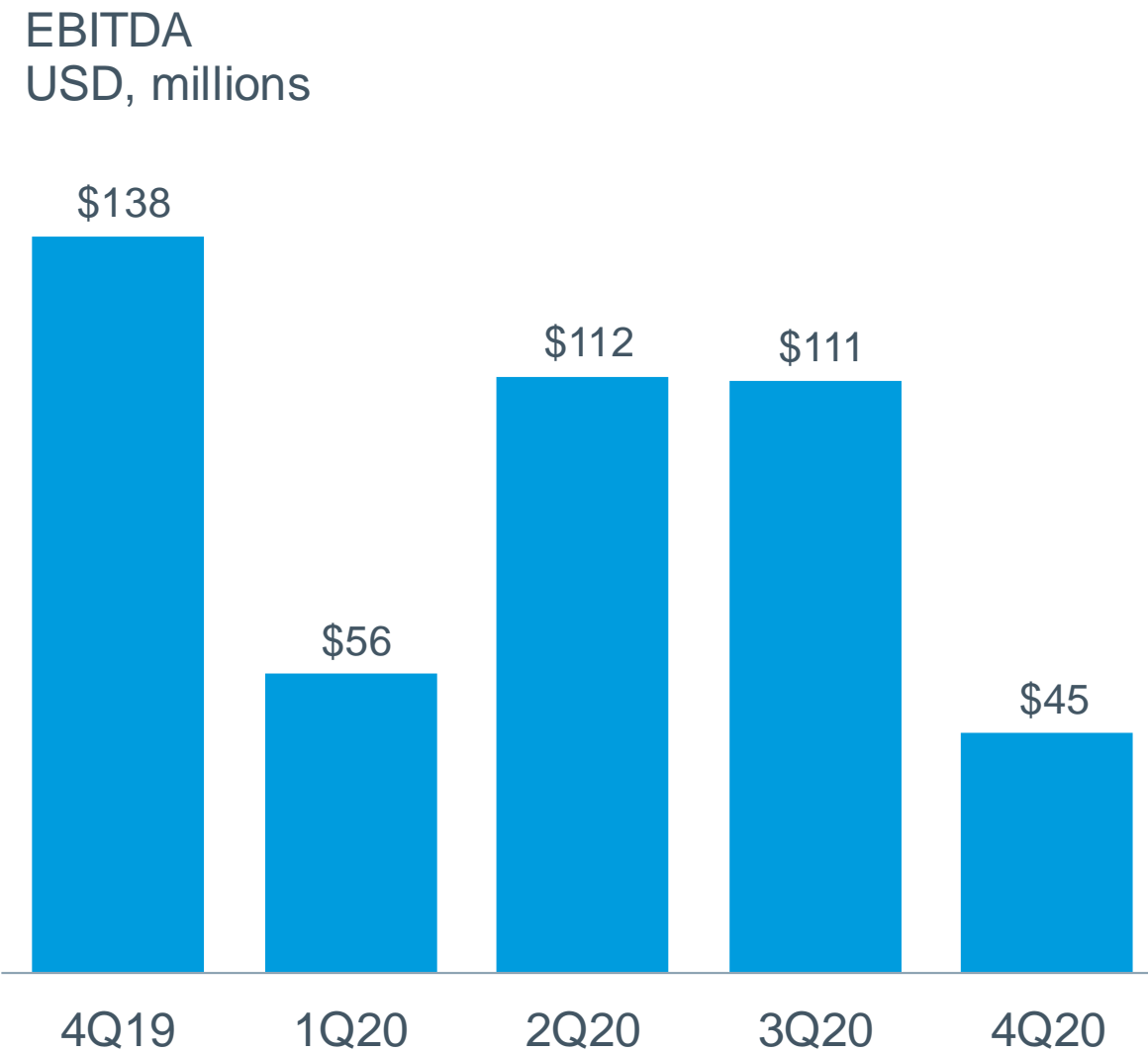
Lower fixed cost and commercial agility
Maya 2-1-1 increased by \$0.22 to \$10.11

3Q20 CHARGES

\$582 MM impairment
\$8 MM restructuring costs

TECHNOLOGY

LICENSING PROFITABILITY REDUCED DUE TO TIMING



LICENSING

Decreased number of revenue milestones

CATALYST

Margins increased due to inventory mix

Volumes decreased as customers managed inventories at year-end

DISCIPLINED INVESTMENTS DRIVING GROWTH AND VALUE

HIGHER EBITDA AND LOWER CAPEX: A CLEAR STRATEGY FOR INCREASING FREE CASH FLOW



Note: Estimated EBITDA for projects and joint ventures is nameplate capacity multiplied by 2017-2019 average cash margins assuming 40% of the PE, PO and MTBE from U.S. production exported to Asia. The results or returns of growth projects are presented for illustrative purposes only and not intended to be a guarantee or representation of the Company's expectations for future performance.

FOURTH QUARTER 2020 SUMMARY & OUTLOOK

COMMITTED TO DELIVERING VALUE THROUGH CYCLES

COMMITMENTS KEPT

Supported employees
Advanced sustainability initiatives
Maintained investment-grade rating
Preserved dividend

MARKETS IMPROVING

Robust global PE/PP demand
Increasing automotive and construction demand
Upside from increasing transportation fuel demand

FREE CASH FLOW GROWING

APS synergies
Hyperzone PE & PO/TBA
Bora, Louisiana and PO/SM Joint Ventures
Lower CAPEX

PATH FORWARD

Further deleveraging
Maintaining capital discipline
Optimizing portfolio
Advancing sustainability & DEI initiatives