



Deutsche Bank Global Industrials and Materials Summit

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The illustrative results or returns of growth projects are not in any way intended to be, nor should they be taken as, indicators or guarantees of performance. The assumptions on which they are based are not projections and do not necessarily represent the Company's expectations and future performance. You should not rely on illustrated results or returns or these assumptions as being indicative of our future results or returns.

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World-Class Scale With Leading Positions



Who We Are

- \$40 billion market capitalization (1)
- Global independent chemical company, incorporated under Dutch law
- Executive offices in London, Rotterdam, and Houston
- Products sold in ~100 countries, with 56 manufacturing sites across 18 countries

EBITDA / EPS Performance



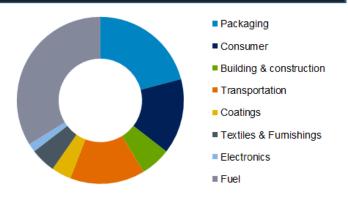
Our Products (3)	Capacity Position				
Chemicals	Global	N Am	EU ⁽⁴⁾		
Ethylene	#5	#2	#5		
Propylene*	#5	#3	#6		
Propylene Oxide (PO)	#2	#2	#2		
Polymers					
Polyolefins (PE+PP)	#3	#3	#1		
Polypropylene	#2	#1	#1		
Polyethylene	#6	#3	#1		
Polypropylene Compounds	#1	-	-		
Fuels					
Oxyfuels	#1	#1	#1		
Technology and R&D					
Polyolefin Licensing	#1	#2	#1		
*Excluding Refinery Grade Propylene					

- (1) As of December 31, 2015
- 2) LCM stands for "lower of cost or market". Further detail regarding LCM adjustments can be found in the Appendix under "Information Related to Financial Measures."
- (3) Source: LYB, IHS as of December 31, 2015. Only pro rata ownership of joint venture facilities.
- E) EU includes Central and Western Europe for all products except Technology and R&D which is all of Europe

Diversified Geographically and Across End Markets | Jondellbasell



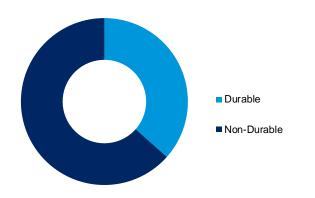
Revenue by End Use⁽¹⁾



2015 Revenue by Geography



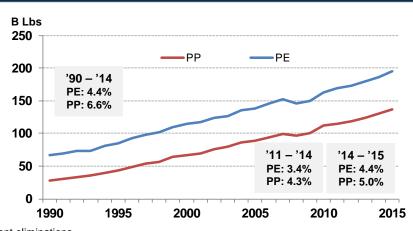
Durable / Non-Durable Revenue⁽¹⁾



Source: Internal LYB Estimates and IHS.

(1) Based on 2014 annual revenues. Excludes Technology segment revenues and intersegment eliminations.

World PE and PP Demand



LYB's Focused Approach is Yielding Results





Maximize value through a focus on operations

- Safe operations → reliable operations → maximum profit
- The best/most leveraging investment is in your existing assets

Cost discipline remains a priority

- Most chemical markets are mature
- Overhead and spending management must be consistent over time

Invest in advantaged positions, sustain others

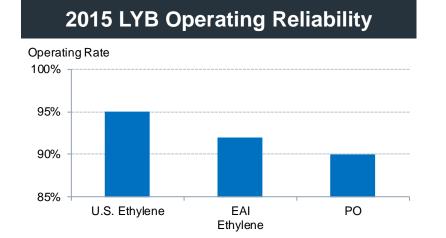
- Raw material advantages
- Technology and structure create areas of differentiation

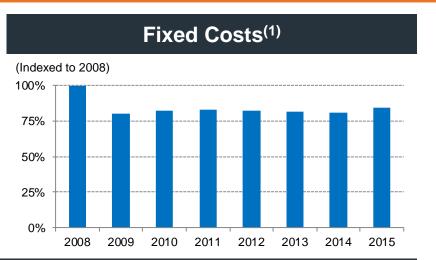
Shareholders own the company

- Transparency
- Shareholder friendly cash deployment policy

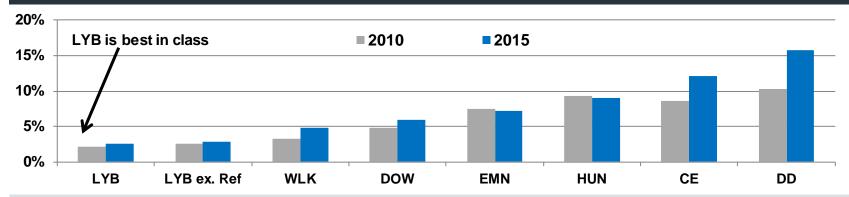
Operating Reliability and Cost Management: Key Priorities and an LYB Advantage







SG&A as Percent of Revenue – LYB vs. Peer Companies



LYB continues to have intense focus on reliability and cost discipline, resulting in industry leading performance

Source: Capital IQ and LYB. 1) Fixed costs are adjusted for annual bonuses and selected items, and to 2015 FX.

Each Business is Operated to Maximize Results



<u>Segment</u>	LYB Market Position	<u>Priority</u>	2015 EBITDA (ex. LCM)
Olefins & Polyolefins (O&P) – Americas	US Shale NGL advantageIncreasing capacity	Invest	\$3.8 B
Olefins & Polyolefins (O&P) – EAI	 Commodities – naphtha based, with cyclical upside Advantaged feedstock Differentiated polymers 	Optimize	\$1.9 B
Intermediates & Derivatives (I&D)	Proprietary technologiesNatural gas advantage	Invest	\$1.7 B
Refining	Large, heavy crude refineryProcessing Canadian crude	Optimize	\$0.5 B
Technology	Strong technology positionMaintain leadership	Focus	\$0.2 B ⁽¹⁾

⁽¹⁾ The Technology Segment was not impacted by the LCM adjustment.

O&P - Americas and EAI Our Strategy is Generating Differential Results

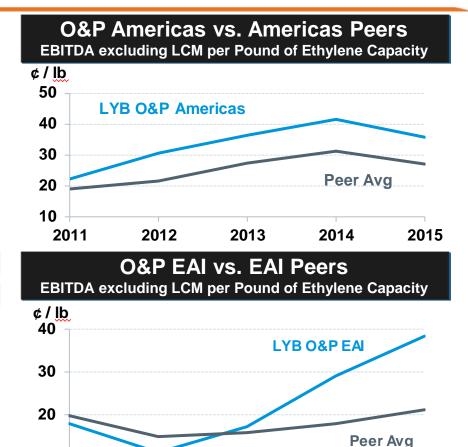


Safe & Reliable Operations

Cost Focused

 Feedstock Advantaged and Flexibility

Differentiated Products



2013

2014

Source: Company Filings, Capital IQ, IHS, and LYB Estimates. Capacities:

Ethylene capacities include pro-rata JV capacities and are averages based on company reports and IHS. Dow capacity is global.

Americas EBITDA:

CP Chemical is consolidated using: income before taxes + depreciation – equity income. Westlake Olefins is operating income + depreciation. INEOS O&P North America and Dow Performance Plastics EBITDA is as reported before exceptional/extraordinary items. LYB O&P EAI EBITDA excludes the impacts of LCM adjustments.

2011

2012

10

INEOS O&P Europe is as reported EBITDA before exceptional/extraordinary items. Borealis is operating income + depreciation + equity income, LYB O&P EAI EBITDA

excludes the impacts of LCM adjustments.

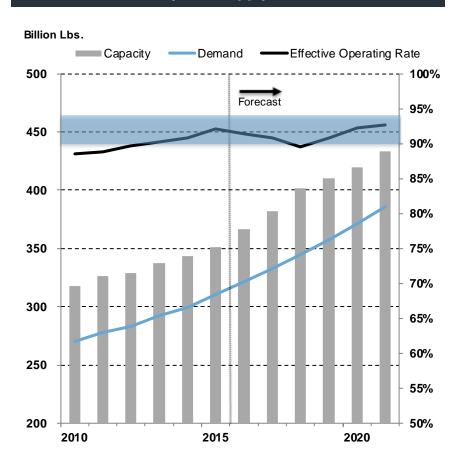
FAI FBITDA:

2015

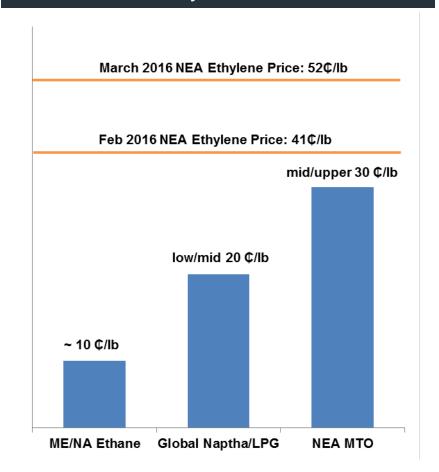
O&P: Strong Operating Rate and High Cost Supply Sources Support Global Ethylene Industry Pricing



Global Ethylene Supply / Demand (1)



March 2016 Global Ethylene Cash Cost and Prices (2)



¹⁾ Source: IHS 2016 Balance Update

Source: IHS and LYB analysis

O&P Americas NGL Advantage with Flexible, Reliable Operations





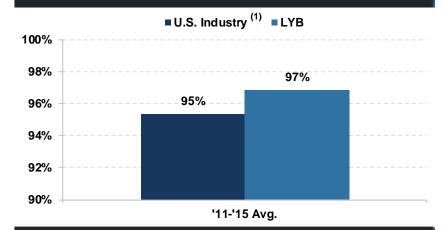


LYB Flexibility
Maximum % Ethylene from Feedstock

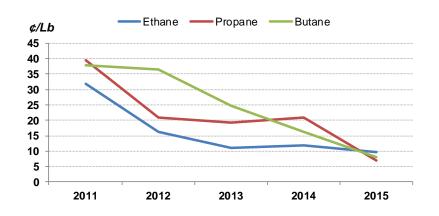
Feed	System
NGL	~90%
Ethane	~80%
Propane	~20%
Butane	~15%
Liquids	~55%
Minimum Liquids	~10%

(1) U.S. Industry excluding LYB

Operating Reliability vs. U.S. Industry



Cost of Ethylene Production



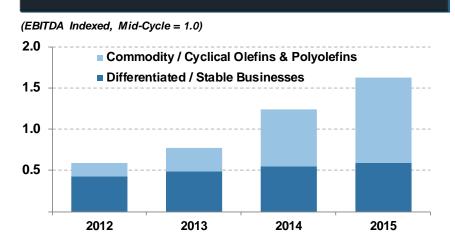
O&P – EAI Record EBITDA and a Restructured Business Approach



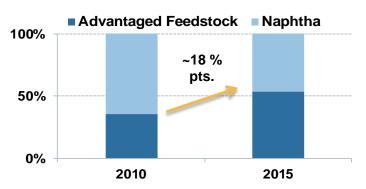
EBITDA Performance



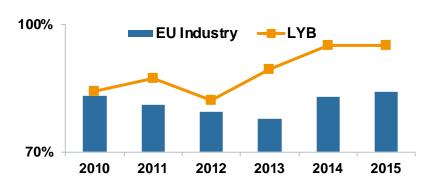
Indexed O&P EAI EBITDA(1)



Producing from Advantaged Feedstock



Western Europe Olefins Operating Rate



Source: LYB.

(1) O&P EAI trough, mid-cycle and peak EBITDA values are based on LYB estimates. 2014 and 2015 LTM EBITDA excludes the impact of the LCM adjustment.

I&D

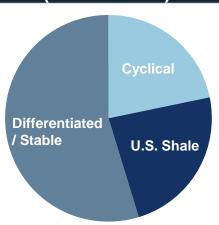
Segment Diversity: a Platform for Stable Profitability



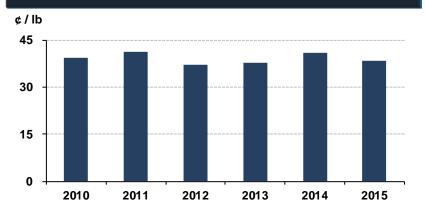
EBITDA Performance



Differentiated Proprietary Technology (2015 EBITDA)



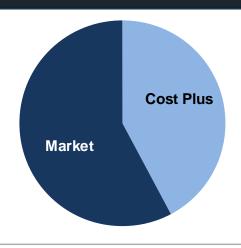
Propylene Glycol Raw Material Margin



Source: LYB, Chemical Data (PG Raw Material Margin)

(1) Internal LYB estimates derived from forecasted third party sales, 2015.

Contracting Strategy⁽¹⁾

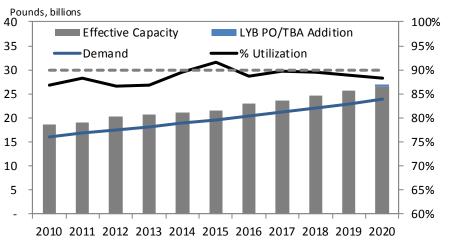


I&D

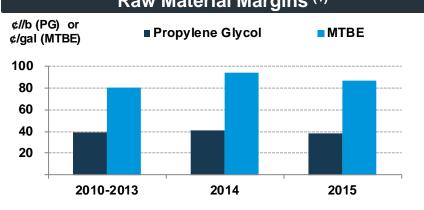
Expanding with Leading Technology



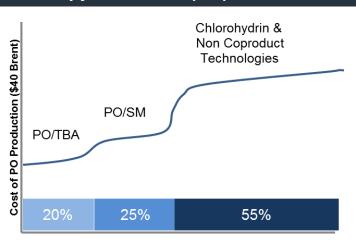
Global Propylene Oxide (PO) Supply/Demand



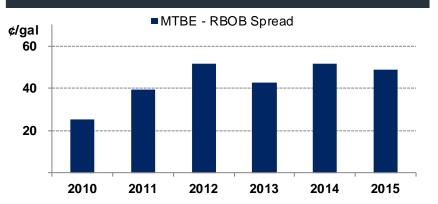
Propylene Glycol and MTBE Raw Material Margins ⁽¹⁾



Propylene Oxide (PO) Cost Curve



MTBE / RBOB Octane Spread (2)



Sources: LYB, IHS. (1) Source: CDI (propylene glycol) and Platts. (2) Source: IHS NWE MTBE spot prices.

Cash Deployment Hierarchy

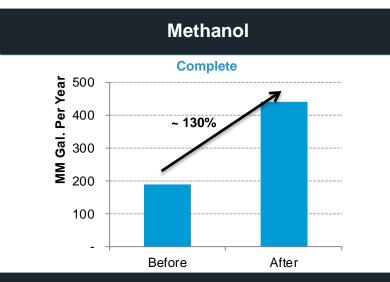


		2015	Comments
	Base Capex	~ \$800 million	 First priorities for cash
Foundation	Interest Expense	~ \$310 million	 First priorities for cash
	Interim Dividend	~ \$1.4 billion	 Fund through the cycle with cash flow from operations
	Growth Capex	~ \$600 million	 High-return in advantaged businesses
Discretionary Opportunities	Share Repurchases / Special Dividend / Acquisitions	Balance of cash generated	 Discretionary cash returned to shareholders M&A if strategic and meaningfully accretive

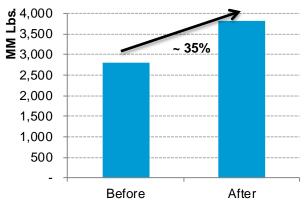
Source: LYB

Significantly Expanding our Advantaged Positions



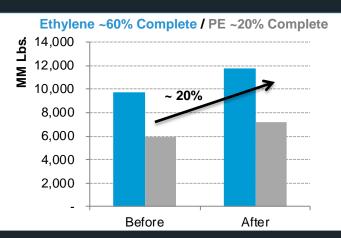


Propylene Oxide

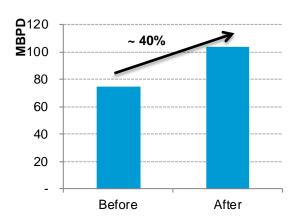


Note: "Before" refers to the capacity prior to the initiation of our growth program in 2013.

U.S. Ethylene / Polyethylene



MTBE Equivalent

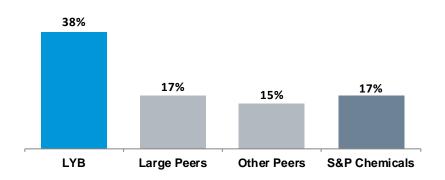


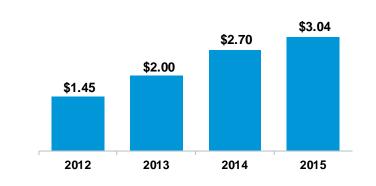
Leading in Dividends and Share Repurchases





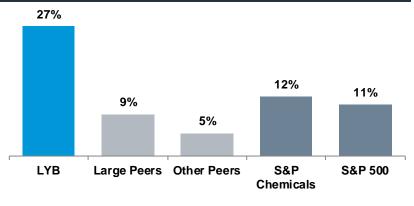


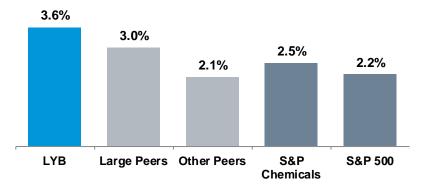




2011-2015 Share Repurchases as % Avg. 2015 Enterprise Value ⁽³⁾







Source: Capital IQ and LYB. For definitions and peer group definitions, please see the Glossary in the Appendix to this presentation.

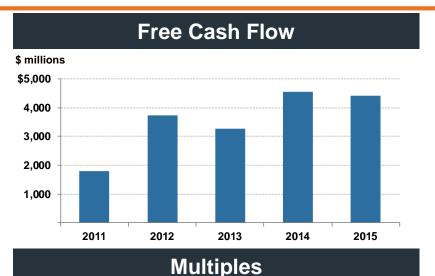
(1) S&P data calculated based upon individual constituent data as of May 23, 2016 (2) Excludes special dividends paid in 2012 of \$2.75 per share.

(3) Capital IQ as of December 31, 2015 (4) Capital IQ as of March 31, 2016

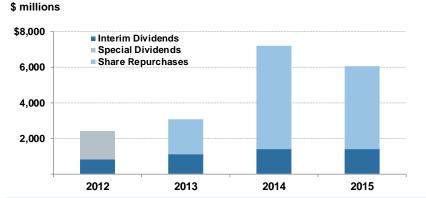
Outperformance Coupled with a Shareholder Friendly Approach







Dividends and Share Repurchases



Multiples (trailing 12 months as of 12/31/15)	LYB	S&P Chemical Index	S&P 500
EV/EBITDA Excluding LCM ⁽¹⁾	5.7x	11.1x	10.5x
P/E ⁽²⁾	8.8x	22.0x	21.6x

Industry leading performance and statistics at a lagging multiple

Source: Capital IQ, Bloomberg, LYB

⁽¹⁾ EV/EBITDA = Enterprise Value / Earnings Before Interest, Taxes and D&A as calculated by Capital IQ and Bloomberg, except for LYB, which is based on EBITDA ex. LCM for the trailing 12 months.





Appendix

LyondellBasell in 2015



EARNINGS

Diluted EPS ex. LCM⁽¹⁾ \$10.35

\$8.1 Billion

CASH FLOW

Cash from Operations \$5.8 Billion

Free Cash Flow \$4.4 Billion

SHAREHOLDER RETURNS

Dividends \$1.4 Billion

3.6% Dividend Yield Top 16% of the S&P 500

Share Repurchases \$4.7 Billion

52 million shares
11% of shares outstanding
Top 3% of the S&P 500⁽²⁾

RETURN MEASURES

Return on Invested Capital 34%

Total Shareholder Return

vs. S&P 500

1 year: 13% vs. -1%

3 years: 67% vs. 47%

5 years: 254% vs. 65%

- (1) LCM stands for "lower cost or market". Further detail regarding LCM adjustments can be found under "Information Related to Financial Measures."
- (2) Share repurchases ranked as a percentage of LTM Average Enterprise Value.

Highlights

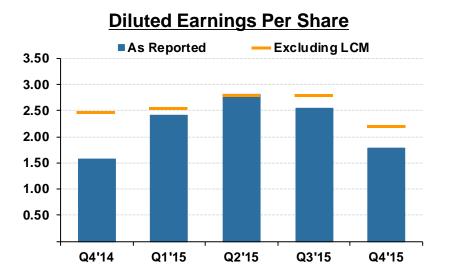


(\$ in millions, except per share data)	FY 2013 (As Reported)	FY 2014 (As Reported)	FY 2015 (As Reported)	FY 2014 (ex. LCM) ⁽¹⁾	FY 2015 (ex. LCM)
EBITDA	\$6,311	\$7,050	\$7,533	\$7,810	\$8,081
Income from Continuing Operations	\$3,860	\$4,172	\$4,479	\$4,655	\$4,830
Diluted Earnings (\$ / share) from Continuing Operations	\$6.76	\$8.00	\$9.60	\$8.92	\$10.35

Record Annual EBITDA ex LCM: \$8.1 Billion

(\$ in millions) EBITDA \$2,500 2,000 1,500 1,000 4Q'14 1Q'15 2Q'15 3Q'15 4Q'15

2015 Diluted EPS Growth ex LCM >15% vs. 2014



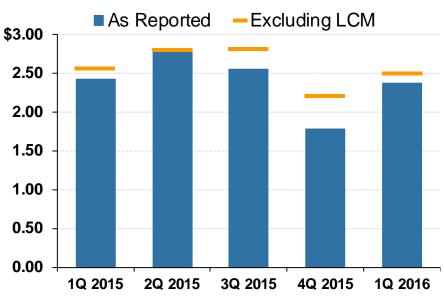
(1) LCM stands for "lower cost or market". Further detail regarding LCM adjustments can be found under "Information Related to Financial Measures."

1Q 2016 Highlights



	A	s Reporte	ed	Excluding LCM (1)		
(\$ in millions, except per share data)	1Q15	4Q15	1Q16	1Q15	4Q15	1Q16
ЕВПОА	\$1,952	\$1,394	\$1,807	\$2,044	\$1,678	\$1,875
Income from Continuing Operations	\$1,167	\$797	\$1,030	\$1,225	\$982	\$1,077
Diluted Earnings (\$ / share) from Continuing Operations	\$2.42	\$1.78	\$2.37	\$2.54	\$2.20	\$2.48

Strong EPS Performance



Highlights

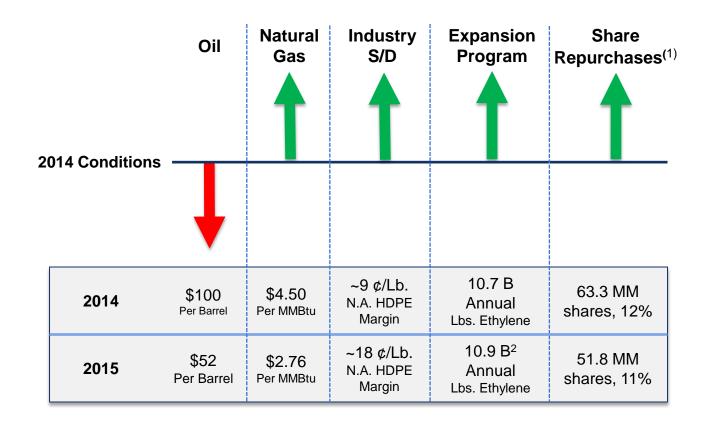
- Polyolefins capturing strong O&P chain margins
- Improving seasonal markets
- Completed refinery turnaround
- Completed sale of Argentine subsidiary Petroken with gain of \$78 million; Completed second India PP compounding acquisition (Zylog) during early April
- Issued €750 million six-year euro bonds at 1.875% rate
- \$1.3 billion in 1Q16 share repurchases and dividends

⁽¹⁾ LCM stands for "lower cost or market". Further detail regarding LCM adjustments can be found under "Information Related to Financial Measures."

Note: All results include \$78 million after-tax gain on sale of Petroken: \$57 million gain for O&P Americas for polypropylene assets and \$21 million gain for O&P EAI for compounding assets.

Strong 2015 EPS Despite Oil Decline





EPS is supported by low U.S. natural gas prices, tightened market conditions, our expansion program, and share repurchases

Source: LYB, IHS as of year end 2015.

⁽¹⁾ Share repurchase percentage is calculated off of the outstanding shares as of Dec. 31, 2013 and 2014, respectively.

⁽²⁾ Capacity for 2015 includes the full annual capacity addition of 250 MM pounds completed at our Channelview site during 2015.

A High Performing Portfolio: EBITDA Across Time



Olefins & Polyolefins - Americas



Olefins & Polyolefins - EAI



Intermediates and Derivatives and Technology



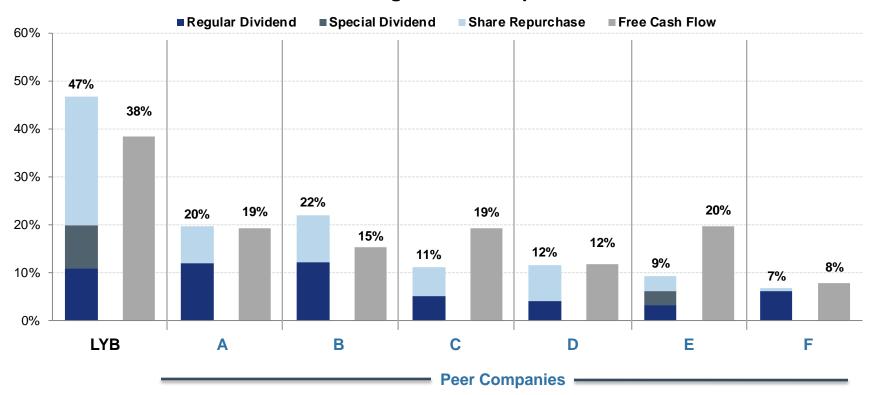
Refining



Industry Leading Shareholder Returns



2011 - 2015 Shareholder Returns of Capital and Free Cash Flow as % of Average 2015 Enterprise Value



Exceeding peers in absolute cash returned and as a percentage of enterprise value

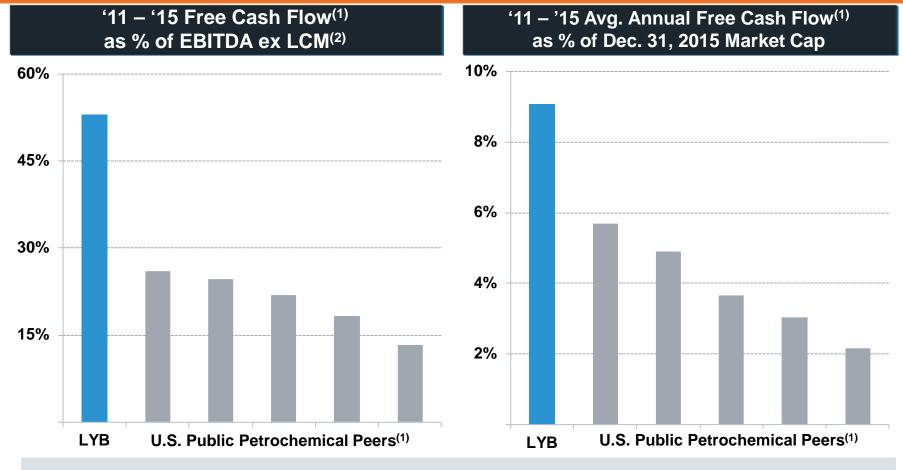
Source: SEC filings, Bloomberg, CapitalIQ

Enterprise Value for LYB is calculated based on reported line items. For Peer Companies, Enterprise Value is calculated as the average of the daily share price multiplied by the number of shares outstanding during 2015 as per CapitalIQ.

For definitions and peer group definitions, please see the Glossary in the Appendix to this presentation.

LYB Delivers More Cash to the Bottom Line





LYB free cash flow generation significantly exceeds comparable U.S. public peer group

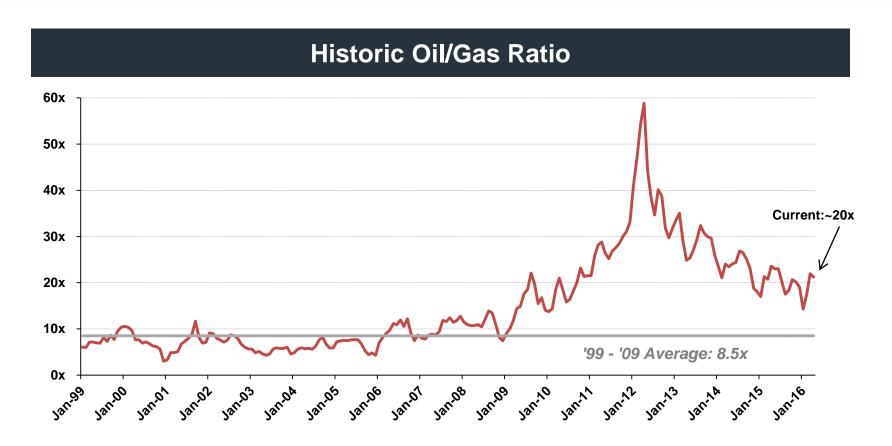
Source: Company filings, Capital IQ

Notes: LYB calculations are based on as reported line items. Peer calculations are based on Capital IQ calculated line items.

(1) For definitions and peer group definitions, please see the Glossary in the Appendix to this presentation.

(2) For purposes of peer comparison, LYB EBITDA ex LCM is as reported. Peer EBITDA = Revenue - COGS - SG&A - R&D + D&A + equity income as calculated by Capital IQ.





- Current oil to gas ratio remains healthy and well above the pre-shale average
- Historic equivalent value of crude oil to gas implies a price of ~ \$15-20 per barrel

Source: NYMEX, ICE.

2016 – 2020: On-purpose Propylene Dominates Global Capacity Growth



Ethylene Capacity Growth

Propylene Capacity Growth (1)

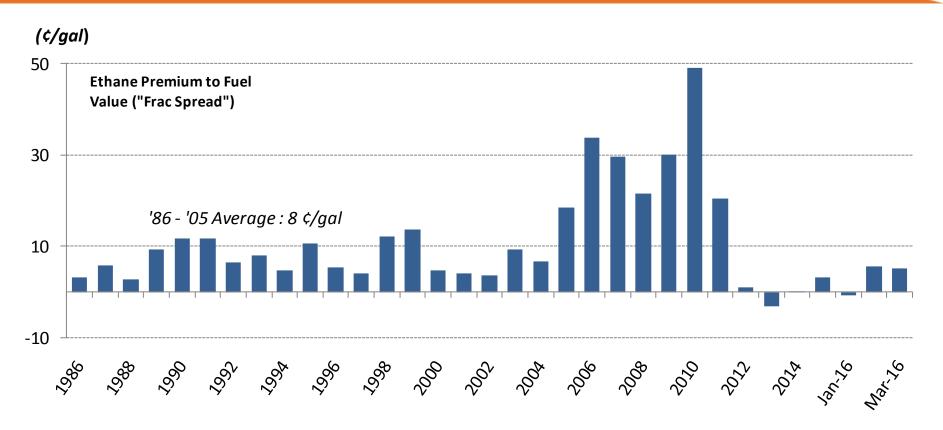


- Ethylene Demand Growth ~ 65 Blbs
- Ethylene Supply Growth ~ 75% conventional
- Propylene Demand Growth ~ 52 Blbs
- Propylene Supply Growth ~ 75% On-purpose

Source: IHS. (1) Excludes refinery-grade propylene.

Ethane Frac Spread





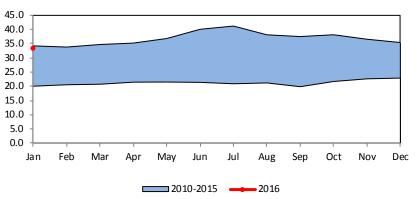
- Long term ethane has generally traded with an 8 ¢/gal frac spread
- Infrastructure constraints drove 2006 2012 premiums

Source: IHS

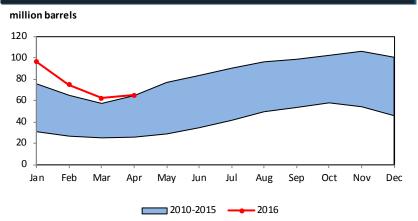
NGLs Remain Abundant



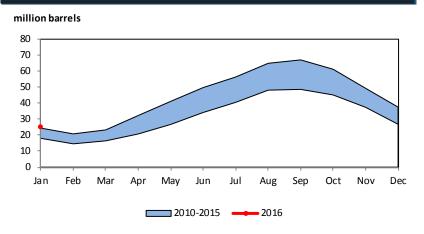




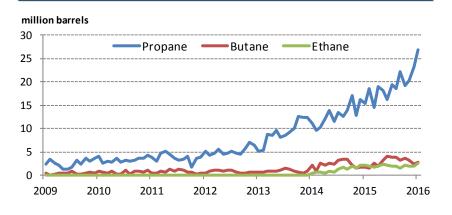
Propane Inventory



Butane Inventory



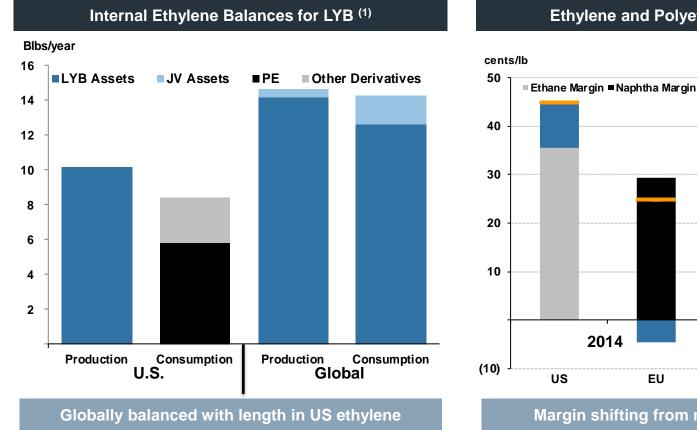
NGL Exports



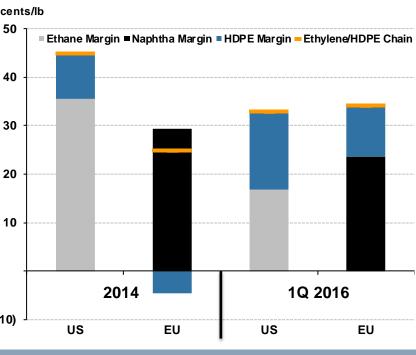
Source: EIA

O&P Profitability Shift to Polymers: LYB Benefitting from Strong Ethylene Integration





Ethylene and Polyethylene Margins (2)



Margin shifting from monomer to polymer

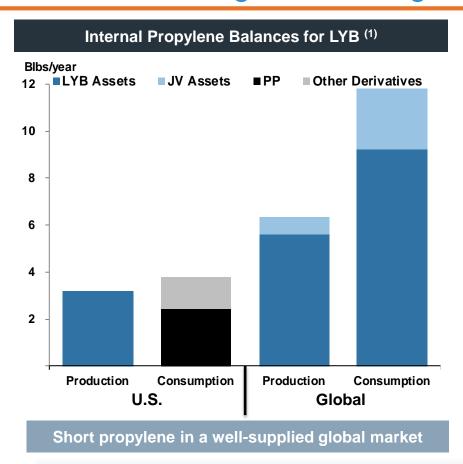
Benefitting from integration of monomer, polymer and other downstream derivatives

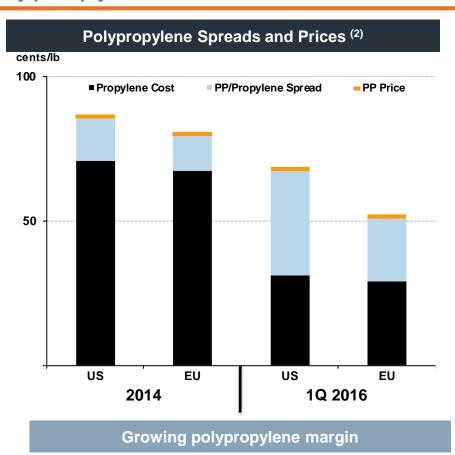
⁽¹⁾ Typical 2016 LYB production and consumption. Global capacities includes LYB share of JV capacities. Consumption includes PE, metathesis, ethylene oxide and derivatives, styrene, VAM. PP and ethanol.

⁽²⁾ Source: Industry data from IHS.

O&P Profitability Shift to Polymers: LYB Benefitting from Strong Polypropylene Position







Benefitting from strong polymer margins with a leading global position in polypropylene

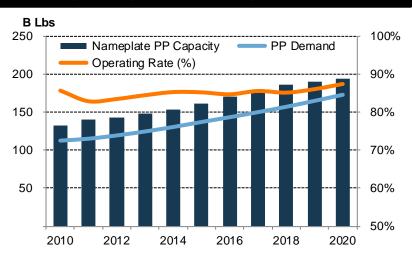
⁽¹⁾ Typical 2014 to 2016 LYB production and consumption. Global capacities includes LYB share of JV capacities. Production includes crackers, refinery and metathesis. Consumption includes polyolefins and propylene oxide and derivatives.

⁽²⁾ Source: Industry data from IHS.

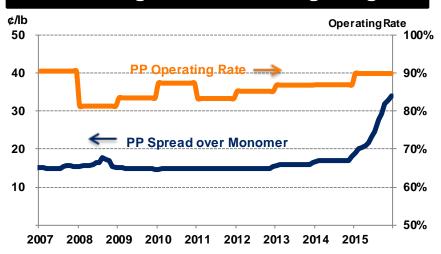
Global PP Supply/Demand



Polypropylene Supply / Demand



NA PP: Tight Market Driving Margin



Polypropylene Advantages

- · Low density, lightweight
- Impact resistance
- Recyclability
- Chemical resistance

- Wide temperature performance
- Plasticizer-free
- Replacement for higher-cost resins and PVC
- Abundant, low-priced propylene will enable continued PP growth.

Source: IHS. Spreads and margins depicted as 3-month moving averages. Spread is contract homopolymer less contract polymer-grade monomer price. Homopolymer prices prior to 2015 are adjusted to account for the January 2015 IHS non-market reduction. Margin is IHS discounted contract pre-tax non-integrated margin.

Status of Growth Projects

Project

Increase Ethane Capability

PE Capacity

Remaining Projects

Total



Potential EBITDA⁽¹⁾ (\$ million / year)

Cost

~\$25

In Progress

(\$ million)

Start-up

2012

2019 / 2020

	Midwest Ethylene / PE	120	2012	~\$25
	EU Butadiene Expansion(2)	155	Mid 2013	~\$100
	Methanol Restart	250 MM Gal.	Dec. 2013	~\$180
	Matagorda PE Debottleneck	220	Early 2014	~\$20
	La Porte Ethylene Expansion	800	Mid 2014	~\$500
	Channelview Ethylene Expansion (I)	250	Mid 2015	~\$200
	Completed Projects			~\$1,050
	Corpus Christi Ethylene Expansion	800	Q3 2016	In Progress
	New PO/TBA Plant	1,000 PO 29 MBPD Oxyfuels	2020	In Progress

1000

Scope

(million Lbs.)

500

(\$ million / year)							
2011-15 Avg. Margins	2015 Margins						
\$60 - 80	\$30 – 50						
\$30 – 40	\$20 – 30						
\$40 – 50	\$40 - 50						
\$210 - 230	\$170 – 190						
\$5 – 10	\$40 – 50						
\$190 – 250	\$150 – 220						
\$60 – 80	\$50 – 70						
\$595 – 740	\$500 - 660						
\$190 – 250	\$150 – 220						
\$500 – 550	\$450 – 500						
\$25 – 75	\$150 - 200						
\$715 – 875	\$ 750 – 920						
\$1.310 – 1.615	\$1.250 – 1.580						

PROGRESSING

COMPLETED

Source:	I VR	Chemical F)ata	and	PHI

⁽¹⁾ Potential EBITDA assumes 100% utilization and is based on third party consultant industry margins for 2015, and 2011-2015 average as of January 13, 2016.

⁽²⁾ The EU Butadiene expansion benefits from a fixed margin and thus the potential EBITDA benefit has not changed.

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. The non-GAAP measures we have presented include income from continuing operations excluding LCM, diluted earnings per share excluding LCM, EBITDA and EBITDA excluding LCM. LCM stands for "lower of cost or market," which 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. Market is determined based on an assessment of the current estimated replacement cost and selling price of the inventory. In periods where the market price of our inventory declines substantially, cost values of inventory may be higher than the market value, which results in us writing down the value of inventory to market value in accordance with the LCM rule, consistent with GAAP. This adjustment is related to our use of LIFO accounting and the recent decline in pricing for many of our raw material and finished goods inventories. 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 earnings and EBITDA excluding LCM, 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.

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 have also presented financial information herein exclusive of adjustments for LCM.

While we also believe that free cash flow is a measure commonly used by investors. 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.

Reconciliations for our non-GAAP measures can be found on the following slides.

Glossary and Peer Groups



- COGS: Cost of Goods Sold
- D&A: Depreciation and Amortization
- EBITDA (as used for peers): Earnings before Interest, Taxes and Depreciation and Amortization = Revenue COGS SG&A R&D + D&A + Equity Income
- **EV:** Enterprise Value calculated using the average daily closing share price for the last 12 months ended December 31, 2015 multiplied by the common shares outstanding as of December 31, 2015.
- Free Cash Flow = Cash from Operations Capital Expenditures
- R&D: Research and Development
- SG&A: Sales, General and Administrative

Peer Groups

- Americas Peers: Dow, CP Chemical, Ineos and Westlake
- EAI Peers: Borealis and Ineos.
- Large Peers: Dow, DuPont
- Other Peers: Celanese, Eastman, Huntsman and Westlake
- Peer Companies: Celanese, Dow, DuPont, Eastman, Huntsman and Westlake
- U.S. Public Petrochemical Peers: Celanese, Dow, Eastman, Huntsman and Westlake

^{*} See reconciliations at end of presentation.

EBITDA Excluding LCM Adjustments 2011 - 2015



Reconciliation of EBITDA Excluding LCM Adjustments to EBITDA - 2011 Through 2015

	For the Twelve Months Ended December 31,									
In Million of Dollars	2011		2012		2013		2014		2015	
EBITDA Excluding LCM Adjustments:										
Olefins & Polyolefins - Americas	\$	2,137	\$	2,968	\$	3,573	\$	4,190	\$	3,821
Olefins & Polyolefins - EAI		865		548		839		1,410		1,855
Intermediates & Derivatives		1,410		1,621		1,492		1,552		1,656
Refining		977		481		182		409		519
Technology		191		197		232		232		243
Other		(111)		(7)		(7)		17		(13
Total		5,469		5,808		6,311		7,810		8,081
Less:										
LCM Adjustments:										
Olefins & Polyolefins - Americas		-		-		-		279		160
Olefins & Polyolefins - EAI		-		-		-		44		30
Intermediates & Derivatives		-		-		-		93		181
Refining		-		-		-		344		177
Technology		-		-		-		-		-
Other		-		-		-		-		-
Total						_		760		548
EBITDA:										
Olefins & Polyolefins - Americas		2,137		2,968		3,573		3,911		3,661
Olefins & Polyolefins - EAI		865		548		839		1,366		1,825
Intermediates & Derivatives		1,410		1,621		1,492		1,459		1,475
Refining		977		481		182		65		342
Technology		191		197		232		232		243
Other		(111)		(7)		(7)		17		(13
Total	\$	5,469	\$	5,808	\$	6,311	\$	7,050	\$	7,533

Net Income to EBITDA 2011 - 2015



Reconciliation of Net Income to EBITDA

	For the Twelve Months Ended December 31,													
In Million of Dollars		2011		2012		2013		2014		2015				
Net Income	\$	2,140	\$	2,834	\$	3,853	\$	4,168	\$	4,474				
(Income) Loss from Discontinued Operations		332		24		7		4		5				
LCM Adjustments, After Tax						_		483		351				
Income from Continuing Operations Excluding LCM Adjustments		2,472		2,858		3,860		4,655		4,830				
Less:														
LCM Adjustments, After Tax								(483)		(351)				
Income from Continuing Operations		2,472		2,858		3,860		4,172		4,479				
Provision for Income Taxes		1,059		1,327		1,136		1,540		1,730				
Depreciation and Amortization		931		983		1,021		1,019		1,047				
Interest expense, net		1,007		640		294		319		277				
Add:														
LCM Adjustments, Before Tax								760		548				
EBITDA Excluding LCM Adjustments		5,469		5,808		6,311		7,810		8,081				
Less:														
LCM Adjustments, Before Tax								760		548				
EBITDA	\$	5,469	\$	5,808	\$	6,311	\$	7,050	\$	7,533				

EBITDA Excluding LCM Adjustments to Reported EBITDA



Reconciliation of EBITDA Excluding LCM Adjustments to EBITDA

			Three 1	Months	Ended		Yea	ar Ended	,	Three	Months E	nded			Yea	r Ended	e Months Ended
In Millions of Dollars	rch 31, 2014		ine 30, 2014	S eptember 30, De 2014		ember 31, 2014		ember 31, 2014	rch 31, 2015		ine 30, 2015	Septemb 2015		ember 31, 2015		mber 31, 2015	arch 31, 2016
EBITDA Excluding LCM Adjustments:						<u></u>										<u>.</u>	
Olefins & Polyolefins - Americas	\$ 736	\$	978	\$	1,202	\$ 1,274	\$	4,190	\$ 1,074	\$	993	\$	920	\$ 834	\$	3,821	\$ 878
Olefins & Polyolefins - EAI	356		319		343	392		1,410	357		492		555	451		1,855	549
Intermediates & Derivatives	375		430		383	364		1,552	381		483		506	286		1,656	354
Refining	129		137		110	33		409	154		154		143	68		519	14
Technology	76		71		41	44		232	76		57		45	65		243	83
Other	(4)		6		1	 14		17	2		(2)		13	(26)		(13)	(3)
Total	1,668		1,941		2,080	2,121		7,810	2,044		2,177		2,182	1,678		8,081	 1,875
Less:																	
LCM Adjustments:																	
Olefins & Polyolefins - Americas					45	234		279	43		(21)		79	59		160	
Olefins & Poly olefins - EAI	-		-		43	44		44	-		(21)		6	24		30	40
Intermediates & Derivatives	-		-		-	93		93	44		- 17		46	74		181	28
Refining						344		344	5		(5)		50	127		177	-
Technology						-		-	_		(3)		-	-		-	_
Other														_		_	
Total	-	_	-		45	 715		760	92	=	(9)		181	284		548	68
ЕВІТДА:																	
Olefins & Polyolefins - Americas	736		978		1,157	1,040		3,911	1,031		1,014		841	775		3,661	878
Olefins & Polyolefins - EAI	356		319		343	348		1,366	357		492		549	427		1,825	509
Intermediates & Derivatives	375		430		383	271		1,459	337		466		460	212		1,475	326
Refining	129		137		110	(311)		65	149		159		93	(59)		342	14
Technology	76		71		41	44		232	76		57		45	65		243	83
Other	(4)		6		1	14		17	2		(2)		13	(26)		(13)	(3)
Total	\$ 1,668	\$	1,941	\$	2,035	\$ 1,406	\$	7,050	\$ 1,952	\$	2,186	\$	2,001	\$ 1,394	\$	7,533	\$ 1,807

Net Income to EBITDA



Reconciliation of Net Income To EBITDA

			Thus	Months Ended		Year Ended		Thuas N	Months Ended		Year Ended	Three Months Ended
In Millions of Dollars	Marc 20	h 31,	June 30, 2014	S eptember 30, 2014	December 31, 2014	December 31, 2014	March 31 2015	June 30, 2015	September 30, 2015	December 31, 2015	December 31, 2015	March 31, 2016
Net Income	\$	944	\$ 1,176	\$ 1,257	\$ 791	\$ 4,168	\$ 1,164	\$ 1,329	\$ 1,186	\$ 795	\$ 4,474	\$ 1,030
(Income) Loss from Discontinued Operations		(1)	(3)	3	5	4	3	(3)	3	2	5	0
LCM Adjustments, After Tax		_		28	455	483	58	(6)	114	185	351	47
Income from Continuing Operations Excluding LCM Adjustments		943	1,173	1,288	1,251	4,655	1,225	1,320	1,303	982	4,830	1,077
Less:												
LCM Adjustments, After Tax		_		(28)	(455)	(483)	(58)	6	(114)	(185)	(351)	(47)
Income from Continuing Operations		943	1,173	1,260	796	4,172	1,167	1,326	1,189	797	4,479	1,030
Provision for Income Taxes		383	425	434	298	1,540	440	541	487	262	1,730	432
Depreciation and Amortization		256	254	262	247	1,019	287	247	248	265	1,047	268
Interest expense, net		86	89	79	65	319	58	72	77	70	277	77
Add:												
LCM Adjustments, Pre Tax		-	-	45	715	760	92	(9)	181	284	548	68
EBITDA Excluding LCM Adjustments		1,668	1,941	2,080	2,121	7,810	2,044	2,177	2,182	1,678	8,081	1,875
Less:												
LCM Adjustments, Pre Tax		-		(45)	(715)	(760)	(92)	9	(181)	(284)	(548)	(68)
EBITDA	\$	1,668	\$ 1,941	\$ 2,035	\$ 1,406	\$ 7,050	\$ 1,952	\$ 2,186	\$ 2,001	\$ 1,394	\$ 7,533	\$ 1,807

Diluted EPS from Continuing Operations ex. LCM to Diluted EPS from Continuing Operations



Reconciliation of Diluted EPS from Continuing Operations Excluding LCM Adjustments to Diluted EPS from Continuing Operations

		For th	e Twelve	Mont	hs Ended	Dece	mber 31,	
	2011	2	2012		2013		2014	2015
Diluted Earnings Per Share from Continuing Operations Excluding LCM Adjustments	\$ 4.32	\$	4.96	\$	6.76	\$	8.92	\$ 10.35
Less:								
LCM Adjustments			-				0.92	0.75
Diluted Earnings Per Share from Continuing Operations	\$ 4.32	\$	4.96	\$	6.76	\$	8.00	\$ 9.60

Reconciliation of Diluted EPS from Continuing Operations Excluding LCM Adjustments to Diluted EPS from Continuing Operations

					Three Mon	ths End	ded				
	December 31, 2014		March 31, 2015		June 30, 2015		ember 30, 2015	December 31, 2015		M	arch 31, 2016
Diluted Earnings Per Share Excluding LCM Adjustments Less:	\$ 2.48	\$	2.54	\$	2.79	\$	2.80	\$	2.20	\$	2.48
LCM Adjustments	 0.91		0.12		(0.02)		0.25		0.42		0.11
Diluted Earnings Per Share	\$ 1.57	\$	2.42	\$	2.81	\$	2.55	\$	1.78	\$	2.37

Free Cash Flow to Net Cash Provided by Operating Activities



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

	For the Years Ended December 31,									
In Million of Dollars	2011 2012 2013 2014 2015									
Free Cash Flow	\$	1,810	\$	3,727	\$	3,274	\$	4,549	\$	4,402
Add:										
Capital Expenditures		1,050		1,060		1,561		1,499		1,440
Net Cash Provided by Operating Activities	\$	2,860	\$	4,787	\$	4,835	\$	6,048	\$	5,842

LYB Enterprise Value to EBITDA



Calculation of Ratio of LYB Enterprise Value (EV) to EBITDA Excluding LCM

In Million of Dollars except for common shares outstanding	
Common Shares Outstanding, December 31, 2015	440,150,069
Multiplied by:	
Average Daily Closing Share Price, LTM December 31, 2015	\$ 91.47
Market Capitalization	\$ 40,261
Add:	
Current Maturities of Long-Term Debt	4
Short-Term Debt	353
Long-Term Debt	7,671
Less:	
Cash	924
Short-Term Investments	1,064
Net Debt	6,040
Non-Controlling Interests	 24
Enterprise Value	\$ 46,325
Divided by:	
2015 EBITDA Excluding LCM	\$ 8,081
Ratio of Enterprise Value to EBITDA Excluding LCM	5.7

Average Free Cash Flow as a Percent of EBITDA



Reconciliation of Average Free Cash Flow (2011 through 2015) as a Percent of EBITDA Excluding LCM Adjustments

	For the Years Ended December 31,										A	erage
In Million of Dollars	:	2011		2012		2013		2014		2015	201	1 - 2015
Net Cash Provided by Operating Activities	\$	2,860	\$	4,787	\$	4,835	\$	6,048	\$	5,842	\$	4,874
Less:												
Capital Expenditures		1,050		1,060		1,561		1,499		1,440		1,322
Free Cash Flow	\$	1,810	\$	3,727	\$	3,274	\$	4,549	\$	4,402	\$	3,552
EBITDA ex LCM	\$	5,469	\$	5,808	\$	6,311	\$	7,810	\$	8,081	\$	6,696
Free Cash Flow as a Percent of EBITDA	_	33%	_	64%	_	52%		58%		54%		53%

Free Cash Flow to Average Enterprise Value



Calculation of Ratio of Free Cash Flow to Average Enterprise Value (EV)

In	Million	of Dollars	except for	common	shares	outstanding

Free Cash Flow (2011-2015)	\$ 17,762
Average 2015 Enterprise Value	
Common Shares Outstanding, December 31, 2015	440,150,069
Multiplied by:	
Average Daily Closing Share Price, 2015	 91.47
Market Capitalization	\$ 40,261
Add:	
Current Maturities of Long-Term Debt	4
Short-Term Debt	353
Long-Term Debt	7,671
Less:	
Cash	924
Short-Term Investments	1,064
Net Debt	6,040
Non-Controlling Interests	24
Enterprise Value	\$ 46,325
Ratio of Free Cash Flow to Average Enterprise Value	 38%

Free Cash Flow as a Percent of Market Capitalization



Reconciliation of Free Cash Flow as a Percent of Market Capitalization - 2011 Through 2015

	For the Years Ended December 31,										Av	erage
In Million of Dollars		2011		2012		2013		2014		2015	2011	- 2015
Net Cash Provided by Operating Activities	\$	2,860	\$	4,787	\$	4,835	\$	6,048	\$	5,842	\$	4,874
Less:												
Capital Expenditures		1,050		1,060		1,561		1,499		1,440		1,322
Free Cash Flow	\$	1,810	\$	3,727	\$	3,274	\$	4,549	\$	4,402	\$	3,552
Market Capitalization at December 31, 2015											\$	40,261
Free Cash Flow as a Percent of Market Capitalization												9%

Return on Invested Capital



Calculation of LYB Return on Invested Capital (ROIC)

	Ye	ears Ended	Decem	ber 31,
In Million of Dollars		2014		2015
Income from Continuing Operations			\$	4,479
Add:				
Interest Expense, Net				277
Effective Tax Rate				27.9%
Interest Expense, Net, After Tax				200
Adjusted Income from Continuing Operations				4,679
Divided by:				
Average Invested Capital:				
Property, Plant & Equipment, Net	\$	8,758		8,991
Current Assets		11,645		9,789
Less:				
Current Liabilities		5,437		4,349
Cash and Cash Equivalents		1,031		924
	\$	13,935		13,507
Average Invested Capital			\$	13,721
Return on Invested Capital				34%

Dividends and Share Repurchases



Schedule of Spending for Dividends and Share Repurchases

	Years Ended December 31,							
In Millions of Dollars		2012		2013		2014		2015
Interim Dividends	\$	833	\$	1,127	\$	1,403	\$	1,410
Special Dividends		1,582						
Total Dividends		2,415		1,127		1,403		1,410
Repurchases of Ordinary Shares		-		1,949		5,788		4,656
Total	\$	2,415	\$	3,076	\$	7,191	\$	6,066

Ratio of Shareholder Returns of Capital to Average Enterprise Value



Calculation of Ratio of Shareholder Returns of Capital (2011 - 2015) to Average Enterprise Value (EV)

In Million of Dollars except for share data

Shareholder Returns of Capital (2011 - 2015)					
Share Repurchases	\$	12,393			
Special Dividends		4,162			
Interim/Regular Dividends		5,086			
		21,641			
Average 2015 Enterprise Value					
Common Shares Outstanding, December 31, 2015	440,150,069				
Multiplied by:					
Average Daily Closing Share Price, 2015		91.47			
Market Capitalization	\$	40,261			
Add:					
Current Maturities of Long-Term Debt		4			
Short-Term Debt		353			
Long-Term Debt		7,671			
Less:					
Cash		924			
Short-Term Investments		1,064			
Net Debt		6,040			
Non-Controlling Interests		24			
Enterprise Value	\$	46,325			
Ratio of Shareholder Returns of Capital (2011 - 2015) to Average	Ente	rprise Value			
Share Repurchases		27%			
Special Dividends		9%			

Interim/Regular Dividends

Total

EBITDA Excluding LCM per Average Pound of Ethylene Capacity



Reconciliation of EBITDA Excluding LCM per Average Pound of Ethylene Capacity

	For the Years Ended December 31,									
In Million of Dollars Unless Otherwise Indicated	2011		2012		2013		2014		2015	
EBITDA Excluding LCM:	•									
O&P-Americas	\$	2,137	\$	2,968	\$	3,573	\$	4,190	\$	3,821
O&P–EAI		865		548		839		1,410		1,855
Average Annual Ethylene Capacity (Millions of Pounds):										
O&P-Americas		9,590		9,750		9,780		10,070		10,733
O&P–EAI		4,829		4,829		4,829		4,829		4,829
EBITDA Excluding LCM per Average Pound of Ethylene Capacity:										
O&P-Americas		22.3¢		30.4¢		36.5¢		41.6¢		35.6¢
O&P–EAI		17.9¢		11.3¢		17.4¢		29.2¢		38.4¢
Average Annual Ethylene Capacity (Millions of Pounds): O&P–Americas O&P–EAI EBITDA Excluding LCM per Average Pound of Ethylene Capacity: O&P–Americas		9,590 4,829 22.3¢		9,750 4,829 30.4¢		9,780 4,829 36.5¢		10,070 4,829 41.6¢		10 4