

2015 Investor Day

April 29, 2015

THE RIGHT PIECES IN THE RIGHT PLACES



Agenda

7:30	Breakfast	Management Team
8:30	Welcome and Agenda	Doug Pike VP, Investor Relations
8:35	A Strong Foundation: The Right Pieces in the Right Places	Bob Patel ceo
9:05	Out-Sized Performance in Perspective	Sergey Vasnetsov SVP, Strategic Planning and Transactions
9:35	Q&A	Bob Patel and Sergey Vasnetsov
9:50	Break	
10:00	Olefins and Polyolefins Technology	Tim Roberts EVP, Global Olefins and Polyolefins
10:45	Intermediates & Derivatives	Pat Quarles EVP, Intermediates & Derivatives and Supply Chain
11:10	Refining and Projects	Kevin Brown EVP, Refining and Manufacturing
11:30	Concluding Remarks	Bob Patel ^{CEO}
12:00	Q&A	Management Team
12:30 – 1:30	Lunch	Management Team

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 which are believed to be reasonable at the time made and are subject to significant risks and uncertainties. Actual results could differ materially based on factors including, but not limited to, 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; 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; legal and environmental proceedings; tax rulings and changes in laws, regulations or treaties, 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 service 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, 2014, 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.

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.

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.

Reconciliations and other information concerning our non-GAAP measures can be found in the Appendix to this presentation or on our website at www.lyb.com/investorrelations.

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 3



A Strong Foundation: The Right Pieces in the Right Places

Bob Patel Chief Executive Officer

THE RIGHT PIECES IN THE RIGHT PLACES

2014 Characterized by Record Results

EBITDA History					
(\$ in millions, except per share data) FY 2013 FY 2014 ⁽¹⁾ Y-o-Y (ex. LCM) Growth %					
EBITDA	\$6,311	\$7,810	24%		
Income from Continuing Operations	\$3,860	\$4,655	21%		
Diluted EPS from Continuing Operations	\$6.76	\$8.92	32%		





2014 Key Achievements

- Record Earnings and Cash Flow
- Repurchased 63 million shares, or 11.5%, for \$5.8 billion
- Increased quarterly per share dividend by 17%
- Paid dividends of \$1.4 billion
- Completed La Porte ethylene expansion

(1) LCM stands for "low er of cost or market." An explanation of LCM and w hy we have excluded it fromour financial information in this presentation can be found in the appendix of this presentation under "Information Related to Financial Measures."

A ALL

Global Position

World-Class Scale with Leading Market Positions



2014 LYB vs. Peers (EBITDA)⁽¹⁾



Chemicals Ethylene Propylene Propylene Oxide	#5 #6 #2
Polymers Polyolefins (PE + PP) Polypropylene Polyethylene Polypropylene Compounds	#3 #1 #5 #1
Refining & Oxyfuels Oxyfuels	#1
Technology and R&D Polyolefins Licensing	#3

Products

(1) LYBBITDA excludes the LCM impact. Peer group EBITDA is as reported by Capital IQ and could include adjustments and therefore not be on the same basis. Note: Positions based on LyondellBasell wholly owned capacity and pro rata share of JV capacities as of December 31, 2014.

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 6



Progress Since March 2013 Investor Day

FY 2012		FY 2014
\$5.8	EBITDA (\$B) +34%	\$7.8 ⁽¹⁾
\$4.96	Diluted EPS +80%	\$8.92 ⁽¹⁾
\$1.45 ⁽²⁾	Annual Dividend per Share +86%	\$2.70
575	Shares Outstanding (MM) 91 Million Shares Repurchased \$7.7 billion	487
16.2	Global Ethylene Capacity (B pounds) +6%	17.2
Growth Program Outlined	Completed Growth Projects	Methanol Plant Restarted Matagorda PE Expansion La Porte Ethylene Expansion Europe BD Expansion Midwest C2/PE Expansion

Segment and Corporate Actions Have Increased EPS





Drivers of EBITDA Increase:

	O&P Americas	O&P EAI	I&D	Refining
	 Oil to gas ratio Feedstock Flexibility Capacity Additions Deliability 	 Feedstock Flexibility Restructuring Reliability + Operating Rates 	Methanol RestartOil to Gas Ratio	 2011 crude oil purchasing gains Operating flexibility
(1) (2)	 Reliability EBITDA excludes the impact of LCM in the 2014 EPS is adjusted for the impact of the I 	year 2014. .CM adjustment.		
	THE RIGHT PIEC	ES IN THE RIGHT	PLACES	lyondellbasell 8



We Have Built a Solid Foundation





Foundation Elements



THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 10



Safety, Operational Excellence, and Reliability





Reliability Leading to Strong Operating Rates

1% change in reliability = ~\$75 MM variable contribution @ 2014 Avg. Margins⁽²⁾

Source: Internal LYB estimates, IHS

2009

50% 25%

0%

(1) Injuries per 200,000 hours. Includes employees and contractors.

2010 2011

(2) Calculated at average 2014 variable margins for U.S. and European ethylene, Propylene Oxide, PO, MTBE, and Refining.

2012 2013 2014

Industry-Leading Cost Discipline



- Benchmarking focus
- Rigorous cost analysis
- Absorbing inflation: ~\$300 MM in cost offsets since 2009
- Efficiency improvements have resulted in lower headcount
- A highly productive team in a performance driven culture

THE RIGHT PIECES IN THE RIGHT PLACES





Investing in Areas of Sustainable Strength





Completed La Porte Ethylene Furnace

Solid Financial Foundation





THE RIGHT PIECES IN THE RIGHT PLACES

BBB+ / Baa1 Corporate Rating

- Debt:
 - Avg. Term: 12.6 years
 - Average Coupon: 5.3%
- Industry leading shareholder returns
- Flexibility for the future



lyondellbasell 14 111



Efficiently Generating and Deploying Cash



Dividends and Share Repurchases









Represents diluted earnings per share from continuing operations.
 Free Cash Flow = Net Cash Provided by Operating Activities – Capital Expenditures

Cash Deployment Hierarchy is Unchanged



		2014	Comments
	Base Capex	~ \$700 million	
Foundation	Interest Expense	~ \$350 million	 First priorities for cash
	Interim Dividend	~ \$1.4 billion	 Fund through the cycle with cash flow from operations
	Growth Capex	~ \$800 million	 High-return in advantaged businesses
Discretionary Opportunities	Share Repurchases / Special Dividend / Acquisitions	Balance of cash generated ~ \$3 billion	 Discretionary cash returned to shareholders M&A if strategic and meaningfully accretive
Source: LYB			
THE RIGHT	PIECES IN THE	RIGHT PLACES	s lyondellbasell 16



Geography and End Uses Provide Balance



Portfolio Stability

Oil to Gas Ratio Continues to Benefit North America

- Current oil to gas ratio, while lower, remains significant
- Historic equivalent value of crude oil to gas implies an oil price of ~\$15-30 per barrel

Source: NYMEX and ICE. Data as of 3/31/15.

Oil Market Outlook: Mid-Long Term Full Costs Will Drive Pricing

Technology Advancements Have Reduced U.S. Natural Gas Production Costs

- 111

LYB View

- Prior View:
 - Plenty of natural gas at \$4-5/mmbtu
- Current View:
 - Improvements in technology, infrastructure and cost reductions have lowered the mid to long-term price outlook to \$3-4/mmbtu

Strong 2015 EPS Potential Despite Oil Decline

EPS is supported by our expansion program, low U.S. natural gas prices, and our commitment to share repurchases

Source: LYB, IHS

Notes: Share repurchase percentage is calculated off of the outstanding shares as of Dec. 31, 2013.

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 22

Each Business is Operated to Maximize Results

<u>Segment</u>	LYB Market Position	<u>Priority</u>	2014 EBIT DA (ex. LCM)
Olefins & Polyolefins – Americas	NGL advantageIncreasing capacity	Invest	\$4.2 B
Olefins & Polyolefins – EAI	 Commodities – naphtha based, with cyclical upside Advantaged feedstock Differentiated polymers 	Optimize	\$1.4 B
Intermediates & Derivatives (I&D)	Proprietary technologiesNatural gas advantage	Invest	\$1.6 B
Refining	Large, heavy crude refineryProcessing Canadian crude	Optimize	\$0.4 B
Technology	Strong technology positionMaintain leadership	Focus	\$0.2 B ⁽¹⁾
(1) The Technology Segment was not impact	cted by the 2014 LCM adjustment.		

In Summary: Our Principal Focus is Consistent

Principal Focus	Priority Uses of Cash
 Environmental, Health, and Safety Performance: GoalZero 	 Base Maintenance Capex
 Operational Excellence 	 Interest Dividend
 Flexible, Low-cost Operator 	 Advantaged organic growth Eurther Shareholder Returns
 Capital Discipline 	
Align Pay with Performance	Consideration Given to Opportunities, if:
	On a risk adjusted basis:
 Advantaged Growth 	 Makes us a better company
	 Our strengths create unique value
Consistent Priorities	 Can be done without negatively impacting our principal focus

THE RIGHT PIECES IN THE RIGHT PLACES

Today's Presentations

Contraction of the second

Bob Patel Chief Executive Officer	 Foundation in place and operating fundamentals unchanged Cash deployment priorities are unchanged Creating value for the shareholder is our priority Oil/gas ratios continue to be favorable to LYB Portfolio diversity/balance is probably underappreciated
Sergey Vasnetsov Senior Vice President Strategic Planning & Transactions	 Outperformed peers in key measures Is valuation aligned with performance? LYB actions and strategy explained
Tim Roberts Executive Vice President Global Olefins & Polyolefins	 Market conditions steady to tightening O&P areas of differentiation drive earnings and value Growth projects contribute now
Pat Quarles Executive Vice President Intermediates & Derivatives, Supply Chain and Procurement	 Steady, strong earnings and cash flow Portfolio attributes drive balance within the segment Significant expansion from the US PO/TBA plant
Kevin Brown Executive Vice President Manufacturing and Refining	 Internal actions in-place to manage changing market dynamics Focused on operations and cash generation Managing our projects effectively

Outsized Performance in Perspective

Sergey Vasnetsov Senior Vice President

THE RIGHT PIECES IN THE RIGHT PLACES

TSR and EPS Outperformance

Emergence valuation stock price of \$17.61 w as used as the starting price for LYB, w hich was dividend-adjusted to calculate the TSR. Per share earnings is calculated using income from Continuing Operations. 2014 excludes the impact of the LCM adjustment. For definitions please see slide 105. Peer groups can be found on slide 106.

(1) (2) (3)

LYB Delivers More Cash to the Bottom Line

THE RIGHT PIECES IN THE RIGHT PLACES

Leading Free Cash Flow Yield

LYB FCF yield exceeded all regional averages

Source: Capital IQ as of March 31, 2015

Note: LYB calculations are based on as reported line items and using Capital IQ market capitalization. Peer calculations are based on Capital IQ calculated line items. (1) For definitions please see slide 105. Peer groups can be found on slide 106.

Delivering Differential Returns on Assets

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 30

 Source
 Capital N2 as of watch 31, 2015

 Notes:
 LYB calculations are based on as reported line items. Peer calculations are based on Capital IQ calculated line items. LYB Chem excludes Houston refining and uses the same Effective Tax Rate as LYB for NOPAT margin.

 (1)
 For definitions please see slide 105. Peer groups can be found on slide 106.

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 32 1 111

Top Quartile Dividend Yield

Source: Bloomberg, Capital IQ. Percentile and Dividend yield data as of 3/31/15.

2011-2014 Shareholder Returns of Capital

Views on Strategic Considerations

- The range of LYB's portfolio and skills
- Simplified US cracker project economics
- Share repurchases vs. building grass-roots complex
- Thoughts on MLP

LYB's Skills Span a Broad Spectrum of Petrochemicals

	Well Head	Midstream	Refining	Olefins & Aromatics	Intermediates & Polymers	Performance & Eng. Resins	Electronic & Specialty	Bio & Pharma
Products	Crude Oil Natural Gas	Handling Storage Shipping	Gasoline Diesel Fuel Jet Fuel	Ethylene Propylene Butadiene	PE, PP, PO, PVC, Isocyanates, Acetyls	Polycarbonate PP Compounds Catalloy Nylon POM	Se Pharma Herbi Fragr Cata	eds ceuticals cides ances lysts
Industry Characteristics	Capital Intensive Geology	Capital Intensive Pipelines	Capital Intensive Process Industry	Capital Intensive Process Industry	Capital Intensive Process Industry Tech Support	Process Industry Tech Support Design Support	Small Volume Multiple Grades Unique End Use Expertise	R&D Intensive Consumer Safety Long Development Cycle
Success Characteristics	Exploration Development	Logistics Contracting		High Operating Lean Cos Process Increasing Technic	Rates/Reliability t Structure Expertise cal Service Support	t	Proprieta Continuous	ary Tech. Innovation
Example	XOM, CVX, APC	EPD, OKE, KMI, WMB	lyb PSX, Vlo	LYB DOW, WLK, INEOS	LYB DOW, EMN, CE, HUN, DD, BASF	LYB CE, DD, SABIC	DD, ALB, IFF	Bayer, MON

We are very comfortable with our current focus on petrochemicals

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 36

Sources: LYB, IHS

LYB Expansion Program assumes an addition of 2,500 million lbs. of ethylene capacity occurring from years 1 - 6. Greenfields have a 3.3 billion ethylene capacity and derivatives.
 Cash margins are average IHS prices for 2011 – 2015 as of March 31, 2015. Debottleneck uses ethylene margins while greenfields use polyethylene chain margins.
 IRR assumes a 10% discount rate and a 0% grow th rate after year 19 into perpetuity for terminal value and a 0% grow th rate.

Hypothetical basis for comparison: \$8 B cracker vs. \$8 B of share repurchases

Buybacks benefit shareholders: **Now, not 5 years later** Leverages EPS: 19% share count reduction

Sources: LYB, HS Notes: Greenfield cracker at 3.3 billion ethylene capacity. Shares outstanding as of Dec. 31, 2014 = 487 MM. Cash margins are average HS prices for 2011 – 2015, as of March 31, 2015. Repurchased shares calculated at \$87.80 (closing price on 03/31/15).

THE RIGHT PIECES IN THE RIGHT PLACES

Benefits of Investing in Advantaged Businesses Amplified by Share Repurchase Program

A BAR

Expanding in Advantaged Positions Lbs., billions PO Methanol Oxyfuels Ethylene 18 16 14 12 10 8 6 4 2 Post Pre Post Pre Program Completion Program Completion

Product	% Increase	Potential EBITDA ⁽¹⁾ (\$ million / year)
Ethylene	~25%	~\$700 - 900
PO	~35%	
Oxyfuel	~40%	~\$700 - 800
Methanol	~130%	

The share repurchase program amplifies both the base EPS and expansion projects impact by 27%

Sources: LYB, IHS

(1) EBITDA is calculated using average IHS margins from 2011 - 2014.

The number of shares ultimately purchased, and the manner and timing will be determined by our Management Board, with prior approval fromour Supervisory Board, taking into consideration the prevailing market conditions, available resources and other factors. Approval amount is not necessarily an indication of the number of shares ultimately purchased.
 We have requested a third 10% share buyback to be voted upon by our shareholders at the upcoming annual meeting on May 6th, 2015.

Share Buyback Drives Stocks Outperformance

THE RIGHT PIECES IN THE RIGHT PLACES

Current Position on MLP

Benefits

- Low cost source of funding for organic & M&A growth programs
- Monetize assets, but retain control
- Near-term positive stock response
- Access to a different investor base willing to pay more for MLP income
- Value to LYB as the General Partner
- Asset dropdowns from LYB to MLP could be can done at attractive multiples for both parties.

Considerations / Concerns

- Complexity: both short & long-term
- Low cost funding readily available in conventional debt markets
- LYB low tax basis for assets
- Creates debt-like obligation and L-T growth expectations to fulfill
- Small MLP scale vs. large LYB
- Future interest rate sensitivity for MLP valuation
- Transfer of assets to MLP adds some volatility to LYB earnings
- Qualifying assets: U.S. Ethylene, Methanol, Refinery
- Believe MLP would have to be a fixed payout to provide durable benefit to LYB
- At this time we don't believe the benefits outweigh the considerations
- Will continue to keep our options open in future, if circumstances change

Outsized Performance in Perspective

Cash Flow and Shareholder Returns

- 2014 Cash Flow from Operating Activities: \$6.0 B, or 13% of revenue
- 2014 Free Cash Flow⁽¹⁾: \$4.6 B, or 10% of revenue
- Dividend Yield⁽²⁾: 3.2%
- Share Repurchases: Large and on-going

Global Product Positions

Product	Capacity	Expansions
N.A. Ethylene	#2	+25%
Propylene Oxide	#2	+35%
MTBE Equivalent	#1	+40%

Multiples (trailing 12 months as of 3/31/15)	LYB	S&P Chemical Index	S&P 500
EV/EBITDA ⁽³⁾	6.4x	11.9x	11.7x
PE ⁽⁴⁾	15.2x	25.5x	20.8x

- Cash flow, shareholder friendly behavior, and growth at below market multiples
- We like the value ~18% of outstanding shares purchased⁽⁵⁾

Source: Capital IQ, LYB

- Free Cash Flow = EBITDA Capex.
 Dividend vield as of 3/31/15.
- (2) Dividend yield as of 3/31/15.
 (3) EV/EBITDA = Enterprise Value / Earnings Before Interest Taxes and D&A as calculated by Capital IQ, except for LYB, which is based on as reported EBITDA for the trailing 12 months.
 (4) EF = Direct to Earnings as calculated by Capital IQ.
- (4) FE = Price to Earnings as calculated by Capital IQ.
 (5) 18% of shares outstanding have been repurchased through March 31, 2015 since the share repurchase program was first authorized in 2013.

THE RIGHT PIECES IN THE RIGHT PLACES

Olefins & Polyolefins Technology

Tim Roberts Executive Vice President

THE RIGHT PIECES IN THE RIGHT PLACES

Olefins & Polyolefins Segments

Key Messages

- N.A. position remains advantaged
- Feedstock flexibility in both regions
- Delivering differential performance
- Investing to grow advantaged U.S. position

	Position Within the Portfolio					
	<u>Segment</u>	LYB Market Position	Priority	2014 EBITDA (<u>ex. LCM)</u>		
	Olefins & Polyolefins – Americas	NGL advantageIncreasing capacity	Invest	\$4.2 B		
	Olefins & Polyolefins – EAI	Naphtha based, with cyclical upsideProcess advantaged feedstockDifferentiated polymers	Optimize	\$1.4 B		
Sour	rce: LYB					

Global Ethylene Supply/Demand Outlook

Based on third party consultants and our own outlook, we believe that operating rates will exceed 90% going forward

```
Source: LYB, IHS
Note: Effective Operating Rate is calculated assuming 4% industry dow ntime.
```

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 45

Global Polyethylene Supply/Demand Outlook

ter

Naphtha Remains the Global Ethylene Price Setter

Ethylene Cost Curve @ \$100 Brent @ \$50 Brent Global Naphtha 50-60 ¢/lb Middle East Ethane Crackers 3-6 ¢/lb N. America Ethane Crackers 5-15 ¢/lb 40% 60%

- N.A. position remains highly advantaged
- Feedstock flexibility in EAI allowed LYB to run 53% advantaged feedstock during 2014
- THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 47

Our Strategy is Generating Differential Results

EAI EBITDA:

CP Chemical O&P is income before taxes + depreciation – equity income. Westlake Olefins is operating income + depreciation. INEOS O&P North America is as reported EBITDA before exceptional/extraordinary items. LYB O&P Americas and Dow Performance Plastics EBITDA are as reported not adjusted for extraordinary items. INEOS O&P Europe is as reported EBITDA before exceptional/extraordinary items. Borealis is operating income plus depreciation plus equity income. LYB O&P EAI EBITDA is as reported.

O&P Americas North American System Scale and Flexibility

Olefins	Market Options
 6 crackers – better than average on U.S. cost curve 30% - 90% NGL flexibility Full C₄, C₅, and aromatics processing Pipeline, barge, rail, truck access Salt dome storage 	 Ethylene options PE: HDPE, LDPE, LLDPE Ethylene Oxide / Ethylene Glycol Vinyl Acetate Monomer Styrene Contract Sales Spot Sales Metathesis: ethylene to propylene
	 Propylene options Polypropylene Catalloy Propylene Oxide

Our operations teams optimize daily to maximize LYB profitability

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell

O&P Americas Reliable Operations and Feedstock Flexible

49

Operating Reliability vs. U.S. Industry		Industry	LYB Flexibility Maximum % Ethylene from Feedstock		
100%	■U.S. Industry ■LYB		Feed	System	
98%	97%		NGL	~90%	
96%			Ethane	~80%	
94%	94%		Propane	~20%	
92%			Butane	~15%	
00%			Liquids	~55%	
30 /0 T	'11 - '14 Avg.		Minimum Liquids	~10%	

LYB has consistently operated more reliably than the competition

Sources: IHS, LYB. Figures show n represent effective operating rates. NGLs = ethane, propane, butane; Liquids = heavier than C5.

O&P Americas Feedstock and Operational Flexibility

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 51

O&P Americas Differentiation Within Polyolefins

Significant portions of our polymers portfolio deliver margins above commodity benchmarks

O&P Americas Feedstock Outlook: U.S. Ethane Supply/Demand

Sources: Third Party Industry Consultant, LYB, IHS (Ethane and Natural Gas data used in calculating Frac Spread history).

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 53

O&P Americas U.S. Exports Don't Change the Advantage

Ethane Export	Condensate Export
View: Limited Market Generally unfavorable economics	View: ■ Modest impact
Logic: • Export costs - Shipping – between LNG and propane - Capital – storage, ships • Compete with other NGLs • Naphtha plans require modification • High cost consumer of ethane • Need coastal access • Instead, PE could be shipped for 6-8¢/lb	Logic: North American 2013-14 discounts \$10-\$15/bbl vs. naphtha Shipping cost – \$5/bbl Gasoline use – Blend with high octane stream – Reform to increase octane World Supply Barrels, billion
Not pursuing for our European crackers	10 0 Crude Oil Gasoline & Naphtha Condensate Distillate

Several options for ethylene utilization – pursuing value

*currently integrated w ithin LYB

Notes: 2014 ethylene capacity is based on year end 2014 capacity. 2018 includes two Channelview ethylene expansions and an ethylene expansion at Corpus Christi.

THE RIGHT PIECES IN THE RIGHT PLACES

O&P – EAI European Business Environment and Our Response

Business Environment

- Slow growth for the EU petrochemicals sector
- Europe remains a high-cost production region
- Benefits from a sophisticated end-use polyolefin mix
- A lower oil price and weakening Euro helps support the European petrochemical industry

Our Response

 Focus areas are operational excellence, cost and capital discipline

lyondellbasell

1 111

55

- Utilize advantaged local feedstocks
- Operate above industry rates
- Upgrade customer and end market mix
- Restructure business processes to improve agility and flexibility

Operate to deliver sustainable differential performance

Commodity Products	Stable/Specialty Businesses
EU Olefins	Catalloy
EU Polyethylene	Polybutene-1
EU Polypropylene	PP compounds
	Joint Ventures

- Differentiated businesses and JVs provide stable base of earnings
- Feedstock flexibility and higher than industry operating rates have been primary source of outperformance for EU olefins and polyolefins

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

```
THE RIGHT PIECES IN THE RIGHT PLACES
```

```
lyondellbasell 57
```

Efficiency Gains Offset Past Poor European Industry Environment

- Significant progress through restructuring and operating flexibility
- LYB actions have provided good profitability in a challenging market

Source: LYB and third party consultants

O&P – EAI **European LYB Olefins Differential Performance**

Western Europe Olefins Operating Rate

LYB continues capturing value through both:

- Above industry operating rates ~\$70 MM at 2014 conditions
- Processing cost advantaged raw materials ~\$220 MM at 2014 conditions

Source: LYB, IHS

70%

2010

100%

THE RIGHT PIECES IN THE RIGHT PLACES

O&P – EAI **Differentiation Within Europe Polyolefins**

Significant portions of our polymers portfolio deliver margins above commodity benchmarks

O&P - EAIJoint Venture and International Marketing

Indexed JV/Intl Mkt EBITDA (2011=100)

Cumulative JV Equity Income and Dividends

(2) LYB revenues are pro-rata from total JV annual revenues

THE RIGHT PIECES IN THE RIGHT PLACES

- Participate in Asia/ME markets through an advantaged JV asset footprint
- Significant JV capacities⁽¹⁾
 - 5.5 B lbs. olefins
 - 10.3 B lbs. PE & PP
 - 0.4 B lbs. compounding
- JV revenues:
 - \$7.2 B
 - LYB share 34%
- JV's are generating a significant source of after-tax earnings and free cash flow

O&P - EAIPP Compounds Generate Strong Returns

61

lyondellbasell

- 111

THE RIGHT PIECES IN THE RIGHT PLACES

Project Status

Project

Increase Ethane

Midwest Ethylene / PE

Capabilities

EU Butadiene Expansion ⁽²⁾	155	~\$100	Q2 2013	\$40 – 50	\$40 – 50		
Matagorda PE	220	~\$20	Q2 2014	\$5 — 10	\$30 - 40		
La Porte Ethylene	800	~\$500	Q3 2014	\$220 – 280	\$170 – 230		
Channelview Ethylene I	250	~\$200	Q2 2015	\$70 – 90	\$50 – 70		
Corpus Christi Ethylene	800	~\$600	Q2 2016	\$220 – 280	\$170 – 230		
Channelview Ethylene II	550	~\$300	2017 – 18	\$150 – 190	\$120 – 160		
PE / Metathesis Capacity	~1,000	TBD	TBD	TBD	TBD		
 A 2.5 Billion pound ethylene expansion program Potential EBITDA @ 2011-2014 benchmark margins: ~ \$800 – 1,050 MM Potential EBITDA for projects not yet operating: ~ \$450 – 550 MM⁽¹⁾ 							
Source: LYB Analysis, HS (benchmark prices) (1) Based on 2011-2014 benchmark prices.							

Timing

2012

2013

Based on 2011-2014 The EU Butadiene expansion benefits from a fixed margin and thus the potential EBITDA benefit has not changed

THE RIGHT PIECES IN THE RIGHT PLACES

Scope

(MM lbs.)

500

120

Investment

(\$ million)

~\$25

~\$25

O&P Summary

- Forecasted ethylene chain operating rates increase vs. 2010-14
 - In range of potential tight supply / demand and cyclical upturn
 - Capacity additions in 2017-18 cause temporary "bumps in the road" but not a "detour"
- Industry environment and LYB portfolio generate more stability than may be appreciated
- LYB expansion plans are on track

Q1'15 Margins

\$10 - 30

\$20 - 30

Potential EBITDA (\$ million / year)

2011 - 2014

Avg. Margins

\$80 - 100

\$30 - 40

63

lyondellbasell

111

Technology

Key Messages

- Stable Earnings History
- Leading Global Market Position
- ~45% EBITDA Margin⁽¹⁾
- Focused Research Program

Position Within the Portfolio					
Segment	LYB Market Position	Priority	2014 EBITDA		
Technology	Strong technology positionMaintain leadership	Focus	\$0.2 B		

Note: EBITDA margin as of 2014 full year results. The Technology segment EBITDA was not impacted by the 2014 LCM adjustment. (1) For definitions please see slide 105.

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 65

Intermediates and Derivatives

Pat Quarles Executive Vice President

THE RIGHT PIECES IN THE RIGHT PLACES

Intermediates and Derivatives

Key Messages

- Stable earnings history
- Technology and raw material advantaged
- Grow propylene oxide position

Robust and Diversified Portfolio

Very competitive positioning relative to our peers

0%

I&D

I&D

0.0

Source: LYB, Capital IQ (1) EBITDA is as reported by Capital IQ or in Company Filings and could include adjustments and therefore not be on the same basis. I&D EBITDA excludes the LCM impact. One peer did not restate financial information back to 2011 following a reorg and therefore the average for this peer was based on the average of 2012 – 2014. Notes: Peers include Celanese, Dow Performance Materials and Chemicals, Eastman and Huntsman. EBITDA Margin = EBITDA / Revenue.

Peers

Peers

Segment Diversity: a Platform for Stable Profitability

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 70

LYB Acetyls Benefits from Shale Gas

- Access to low cost Natural Gas creates value
- LYB has proprietary technology in Acetic Acid & Vinyl Acetate Monomer
- Fully integrated system
- LYB has portfolio agility to maximize the value of methanol into ethers, acetyls or the merchant market
- U.S. to remain a net importer of methanol in the near to mid-term

Global Methanol Cost Curve

LYB Practices the Leading Technologies

Middle Class Expansion Drives Propylene Oxide Demand

- Over the next decade, the "middle class" is expected to grow from 35% to ~40% of the global population
- The area of focus for tomorrow's "middle class" is in Asia Pacific
 - Expected to account for ~90%+ of global Middle class growth 2015-2030
- Typical "middle class" expenditures include:
 - Cars
 - Housing
 - Furnishing

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 74

Source: IHS, LYB estimates

North America

Europe

ME & Africa

Asia Pacific

Central & South America

A Growing Middle Class Drives Demand

3.2 B

2020

Population

3.5

3.0

2.5

2.0

1.5

1.0

0.5

0.0

1.8 B

2009

Billions

Source: Wolfensohn Center for Development/Brookings Institute

Co-Products Add Significant Value

Growth Drivers

Grows with tires and lube

Octane/Gasoline Demand Increasing global fuel standards

Legislation for biofuels

Octane/Gasoline Demand

Increasing global fuel standards

GDP Growth

additives

Tertiary Butyl Alcohol (TBA) is a coproduct of PO production

- TBA is a precursor for:
 - 1. Oxyfuels (MTBE and ETBE)
 - 2. Isobutylene
- Oxyfuels are high octane gasoline blending components.
- ETBE is a bio alternative
- Isobutylene is used in the manufacture of synthetic rubber and lubricant additives

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 76

Oxyfuel Demand

- Oxyfuels benefit from high octane value, low vapor pressure, and low sulfur content
- Oxyfuel demand is a function of fuel quality improvements with growth in gasoline consumption
 - Emerging markets, lead removal and air quality
 - Mature markets, NOX and sulfur emission reductions
 - Growing supply of low octane, high vapor pressure components
- Mid-term growth potential estimated to be > 28 MBPD

Fuel	Octane (R+M)/2	Vapor Pressure (RVP)	Sulfur (PPM)
Gasoline	87-93	7 - 13	10 - 30
МТВЕ	110	8	< 10
ETBE	111	4	< 10
Naphtha	70 - 75	8-12	30 - 100

LYB Upgrades Low Cost Feedstock into

Premium Gasoline Blending Components

Products

Isobutylene

MTBE

ETBE

Feedstock

Butane

Methanol

Ethanol

otlek NI

Global Gasoline and Oxyfuel Demand

Source: IHS, EIA

Oxyfuel Profitability

45x

40x

35x

30x

25x

20x

15x

10x 5x

0x

્રે

Source: LYB, IHS

Source: LYB

Oil to Gas Ratio

2002

~29 M BPD Oxyfuel equivalent

Expected start-up: 2019

~1.0 Billion Ibs. PO

Status:

Capacity:

THE RIGHT PIECES IN THE RIGHT PLACES

U.S. MTBE Upgrade Value ¢/gallon 160 Methanol Upgrade Butane Upgrade Blend Premium 140 120 100 80 60 40 20 '86 – '08 Average: 8.5x 2010 0 2014 2000

Fos Caban, France

Pounds, millions Barrels per Day, thousands 120 4,000 100 3,000 80 +35% 60 2,000 +40% 40 1,000 20 2013 Post 2013 Post Completion Completion

- The I&D segment has been a strong and stable generator of earnings and cash flow
 - LYB enjoys proprietary technology, advantaged feedstock with derivative and geographic diversity.
 - The diversity and agility create a platform for segment profit stability
- Acetyls well positioned due to U.S. natural gas and ethylene integration
- PO demand is driven by middle class expansion. Oxyfuel demand is driven by fuel quality improvement with gasoline consumption.
 - Combined PO and Oxyfuel growth is equivalent to one world scale plant annually
- LYB has announced plans for a new US GC PO/TBA plant with a potential start-up in 2019

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 80

Refining and Global Projects

Kevin Brown Executive Vice President

THE RIGHT PIECES IN THE RIGHT PLACES

Refining

Key Messages

- Expanded processing and logistics flexibility to process a broader range of crude oil
- Continuous focus on safety, reliability, yield improvements, and cost discipline
- Heavy crude refining generates positive cash flow and provides sustainable value
- 2011 2014 EBITDA⁽¹⁾ less Capital Expenditure = ~\$1.4 billion

Position Within the Portfolio							
Segment	LYB Market Position	<u>Priority</u>	2014 EBITDA (ex. LCM)				
Refining	Refining • Large, heavy crude refinery • Adding more Canadian crude		\$0.4 B				
Source: LYB (1) EBITDA excludes the impact of LCM adjustments.							

Response to Market Trends

Market Trends

- Canadian heavy crude and U.S. crude oil growth provide an advantage for U.S. refiners
- Growing supplies of heavy Latin American crudes must compete for declining share of U.S. imports
- Global refined product demand creates export opportunities

Response

- Focusing on operations
 - Expanding operating windows (more sulfur capacity, increased light ends recovery)
 - Capital and cost discipline, improving reliability
- Diversifying our crude supply
 - Secured lowest cost pipeline space to deliver tar sands oils to Houston
 - Replaced Venezuelan supply with other Latin American barrels
- Expanding product export capability

Business focused on maximizing free cash flow

THE RIGHT PIECES IN THE RIGHT PLACES

Evolution of Crude Selection at Houston Refinery

A Crude Selection Story MBPD Venezuela crude supply contract ended 250 in mid -2011 Initially replaced with other south American crudes 200 Expanded use of advantaged domestic, Canadian, and other Latin American 150 crudes Demonstrated capability to shift among 100 crude oils, whether light or heavy, sour or sweet 50 # Crudes **API Gravity** Sulfur Content Processed

+ 13%

Source: LYB

+ 120%

+ 2.7 pts.

Creating Flexibility

-	10
111	Į) (
The second secon	

	Plan	Execute			Benefit
	2011 & earlier	2012	2013	2014	2015 & beyond
Crude logistics capability	Pipeline commitments	Conway, OK → Houston	Connections Texas produc	to West ction	Alberta → Houston
Light-ends processing		Expanded during turnaround			
Sulfur processing		Incre low cos	Increased capacity via low cost oxygen enrichment		
Coking capacity		Larger coke drums installed during turnaround			
Cost reductions	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
Coking capacity Cost reductions	√	Larger coke drums installed during turnaround ✓ ✓ ✓ ✓		√	

Source: LYB

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 85

Crude Yields and By-Products

- The yields on a barrel of crude fall into three general categories:
 - Clean Products (highest value)
 - By-Products with crude-related pricing
 - By-Products with fuel-value pricing
- The 2-1-1 crack relates to clean fuels only and requires RIN cost.
- Higher crude / low natural gas price magnifies unfavorable byproduct impact on refining margins.

Focus on Cost and Capital Discipline

Manufacturing operating cost per refinery throughput indexed to 2010 dollars.
 Capital Expense indexed to 2010 Capital Expense.

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 87

Regulatory Update

- Renewable Fuel Standard (RFS) compliance achieved by:
 - RIN purchases
 - Renewable diesel production
 - Gasoline and diesel exports (RIN exempt)
- Tier 3 Gasoline Regulation
 - U.S. nationwide gasoline sulfur specification dropping from 30-ppm (Tier 2) to 10-ppm
 - Tier 3 investment expected to be about \$50 million
 - Expanding product export capability

Annual RIN Costs

Summary

Update on Olefins Expansion Projects

La Porte	Channelview	Corpus Christi
800 MM pounds per year	• 250 MM pounds per year	800 MM pounds per year
Complete Sept 2014	 ~90% complete 	 ~40% complete
Final cost: \$500 million	 Startup June 2015 	 Startup Q2 2016
	Est. cost: ~\$200 million	Est. cost: ~\$600 million

Project Costs

Greenfield Ethylene Cracker Costs

Houston Area Welding Costs⁽¹⁾ USD per hour 35 30 25 20 2010 2011 2012 2013 2014 Source: Industrial Info Resources

- Recent shale field activity declines beginning to stabilize markets
- Engineering costs: labor shortages and inexperienced staffs
- Skilled labor: years of significant wage increases
- Peak industrial labor demand in 2016 17

lyondellbasell 91 111

Summary

Refining

- Now positioned to maximize value within our existing system
 - Reliability investments now largely completed
 - Modifications made to expand operating window

THE RIGHT PIECES IN THE RIGHT PLACES

- Industry infrastructure advanced to provide supply flexibility
- Generated EBITDA⁽¹⁾ less capital of \$1.4 billion during the period 2011-2014

Projects

- Current projects benefitting from prior experience
- Projects proceeding as planned
- Reduced oil field activity is beginning to soften construction pressure but costs continue to escalate, although at a slower pace

(1) Excludes the impact of the 2014 LCM adjustments

A Strong Foundation: The Right Pieces in the Right Places

Bob Patel Chief Executive Officer

THE RIGHT PIECES IN THE RIGHT PLACES

In Summary: Our Principal Focus is Consistent

Principal Focus	Priority Uses of Cash						
 Environmental, Health, and Safety Performance: GoalZero 	 Base Maintenance Capex 						
 Operational Excellence Flexible, Low-cost Operator	 Interest Dividend Advantaged organic growth Further shareholder returns 						
 Capital Discipline 							
Align Pay with Performance	Consideration Given to Opportunities, if:						
	On a risk adjusted basis:						
 Advantaged Growth 	 Makes us a better company 						
	 Our strengths create unique value 						
Consistent Priorities	 Can be done without negatively impacting our principal focus 						

The Right Pieces...Outperforming

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 95

A High Performing Portfolio: EBITDA Across Time

lyondellbasell 96

Each Business is Operated to Maximize Results

<u>Segment</u>	LYB Market Position	Priority	2014 EBITDA (ex. LCM)
Olefins & Polyolefins – Americas	NGL advantageIncreasing capacity	Invest	\$4.2 B
Olefins & Polyolefins – EAI	 Commodities – naphtha based, with cyclical upside Advantaged feedstock Differentiated polymers 	Optimize	\$1.4 B
Intermediates & Derivatives (I&D)	Proprietary technologiesNatural gas advantage	Invest	\$1.6 B
Refining	Large, heavy crude refineryProcessing Canadian crude	Optimize	\$0.4 B
Technology	Strong technology positionMaintain leadership	Focus	\$0.2 B ⁽¹⁾
(1) The Technology Segment was not impact	cted by the 2014 LCM adjustment.		

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 97

Olefins and Polyolefins Segments: Differential Results and Position

Differential Results

	Inde	xed O&F	PEAI EB	ITDA So	enario	5 ⁽¹⁾		
2.0	4 Indexed, A	NPCpule + 1.8					Commodity Products	Stable/Specialty Businesses
							EU Olefins	Catalloy
1.0					_		EU Polyethylene	Polybutene-1
0.5	-		-				EU Polypropylene	PP compounds
1								Joint Ventures
		Comme Different	odity / Cyclica ntiated / Stabl	i Olefina & Pr o Businosses	olyciefins			
•	Differe	ntiated bu	usinesse	s and J	/s provid	le stable b	ase of earnings	
• .	Feedst	ock flexib of outper	ility and rforman	higher ti ce for EL	han indu I olefins :	stry opera and polvol	ting rates have be efins	en primary

Differential and Stable Base

Supply and Demand

Q1'15 Margins \$10 - 30 \$20 - 30 \$40 - 50 \$30 - 40
\$10 - 30 \$20 - 30 \$40 - 50 \$30 - 40
\$20 - 30 \$40 - 50 \$30 - 40
\$40 - 50 \$30 - 40
\$30 - 40
\$170 - 230
\$50 - 70
\$170 - 230
\$120 - 160
TBD
м
1

Growing Advantaged Positions

I&D, Refining and Technology

Intermediates and Derivatives HILL 3111 Segment Diversity: a Platform for Stable Profitability Evolution of Crude Selection at Houston Refinery ogy Propyl A Crude Selection Initially replaced with other south American crudes HE RIGHT PIECES IN THE RIGHT PLACES RIGHT PLACES **Refining: Pieces in** Segment Diversity and Stability Place to Perform 可用 HUU Planned U.S. Gulf Coast PO/TBA Plant Technology Capacity: ~1.0 Billion lbs. PO
 ~29 M BPD Oxyfuel equir Expected start-up: 2019 Stable Earnings History ivolent Leading Global Market Pos ~45% EBITDA Margin⁽¹⁾ eering, site selection considerations are wel Focused Research Program RIGHT PLACE **Growing PO and Oxyfuels Technology: Steady** and High Margin lyondellbasell 99 THE RIGHT PIECES IN THE RIGHT PLACES 1 111

Projects are Moving Forward: Largest Gains Ahead

Status of Growth Projects

					(\$ million / year)			
Project	Scope (million Lbs.)	Start-up	Cost (\$million)		2011-14 Avg. Margins	Q1' 15 Margins		
Increase Ethane Capability	500	2012	~\$25		\$80 - 100	\$10-30		
Midwest Ethylene / PE	120	2012	~\$25		\$30 - 40	\$20 - 30		
EU Butadiene Expansion ⁽²⁾	155	Mid 2013	~\$100		\$40 - 50	\$40 - 50		
Methanol Restart	250 MM Gal.	Dec. 2013	Dec. 2013 ~\$180		\$200 – 230	\$190 - 220		
PE Debottleneck	220	Early 2014	~\$20		\$5 – 10	\$30-40		
La Porte Expansion	800	Mid 2014	~\$500		\$220 - 280	\$170 - 230		
Channelview Expansion (I)	250	Mid 2015	~\$200		\$70 – 90	\$50 – 70		
Corpus Christi Expansion	800	Early 2016	~\$600		\$220 – 280	\$170 – 230		
Channelview Expansion (II)	550	2017	~\$300		\$150 – 190	\$120 - 160		
New PO/TBA Plant	1,000 PO 29 MBPD Oxyfuels	2019	TBD		\$500 – 550	\$380 - 430		
PE / Metathesis Capacity	~1,000	TBD	TBD		TBD	TBD		
Total			~\$1,950		\$1,515 – 1,820	\$1,180 – 1,490		

Source: LYB, Chemical Data and IHS.

Potential EBITDA assumes 100% utilization and is based on third party consultant industry margins for Q1 2015, and 2011-2014 average as of April 13, 2015.
 The EU Butadiene expansion benefits from a fixed margin and thus the potential EBITDA benefit has not changed.

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 101 1 111

The Right Pieces in the Right Places

Continuity

Performance

Cash Generation

Shareholder Friendly

Opportunities Now and Ahead

Advantaged Positons

Differentiation and Balance

Strong Operations

Transparent and Open

- Our Priorities and Focus are Unchanged
- Leading the Industry
- Leading our Peers
- **Consistent Policy**
- **Projects Coming Online**
- Favorable Oil to Gas Environment
- Polymers Mix and I&D Technology
- **Consistently Reliable**
- This is Your Company

THE RIGHT PIECES IN THE RIGHT PLACES

Appendix

THE RIGHT PIECES IN THE RIGHT PLACES

- CAGR: Compound Annual Growth Rate = (Ending Value / Beginning Value)^A(1 / # of Years)-1 [27]
- Capital: Total Debt + Total Equity [31]
- D&A: Depreciation and Amortization [28, 30]
- Dividend Yield: Annual Dividends per Share / Price Per Share [33, 42]
- *EBITDA: Earnings before Interest, Taxes and Depreciation and Amortization = Revenue COGS SG&A R&D + D&A + Equity Income [28, 30]
- *EBITDA Margin: EBITDA / Revenue [69]
- Effective tax rate = Provision for Income Taxes / Income Before Taxes [8, 31]
- *Enterprise Value = Market Value of Common Stock + Market Value of Preferred Equity + Market Value of Debt + Minority Interest Cash and Investments [42]
- *Free Cash Flow = Cash from Operations Capital Expenditures [28, 29]
- *Free Cash Flow Yield = (Cash from Operations Capital Expenditures) / Market Capitalization [29]
- *Net Operating Assets = Year-end Accounts Receivable + Goodwill + Long Term Investments + Inventory + Net PP&E Accounts Payable [30]
- *Net Debt = Current Maturities of Long-Term Debt + Short-Term Debt + Long-Term Debt Cash and Cash Equivalents Short-Term Securities [14]
- *NOPAT: Net Operating Profit After Taxes = Operating Income x (1 Effective Tax Rate) [31]
- *NOPAT Margin: Net Operating Profit After Taxes / Revenue [31]
- Operating Income = Revenue COGS SG&A R&D
- *Operating Margin: Operating Income (as defined above) / Revenue [31]
- R&D: Research and Development [28, 30]
- ROIC: Return on Invested Capital = NOPAT / Capital [31]
- SG&A: Sales, General and Administrative [28, 30]

* See reconciliations in the Appendix

Peer Groups

- Americas Peers: CP Chemical O&P segment, Dow Performance Plastics segment, INEOS O&P North America segment and Westlake Olefins segment. [48]
- Asian Chemicals: Asahi Kasei, Formosa Petrochemical, Formosa Plastics, LG Chem, Lotte Chemical, Mitsubishi Chemical, Nan Ya Plastics, Petronas Chemicals, PTT Global Chemical, Showa Denko, Sinopec Shanghai Petrochemical and Sumco [29]
- EAI Peers: Borealis and INEOS O&P Europe segment. [48]
- European Chemicals: Air Liquide, Arkema, BASF, Clariant, Evonik, Lanxess, Linde and Solvay [29, 31, 32]
- Middle Eastern Chemicals: Advanced Petrochemical, Alujain, Chemanol, Industries Qatar, Nama, Petrochem, Petro Rabigh, Tasnee, SABIC, Sahara, Saudi Kayan, Sipchem, SIIG and Yansab [29]
- U.S. Chemicals: Airgas, Air Products, Axiall, Celanese, Cytec, Dow, DuPont, Eastman, Huntsman, Monsanto, PPG, Praxair and Westlake [29,30, 31, 32]
- U.S. Public Petrochemical Peers: Celanese, Dow, Eastman, Huntsman and Westlake [27,28]

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 106

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 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 the LCM rule, consistent with GAAP. 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 alternative to operating cash flows as a measure of our liquidity. We have also presented financial information herein exclusive of adjustments for LCM.

Descriptions of and reconciliations for our non-GAAP measures can be found in this Appendix or on our website at www.lyb.com/investorrelations.

EBITDA Excluding LCM Adjustments

Reconciliation of EBITDA Excluding LCM Adjustments to EBITDA - 2011 Through 2014

	For the Twelve Months Ended December 31,									
In Million of Dollars		2011		2012		2013		2014	Inci C fro	remental Thange om 2011
EBIIDA Excluding LCM Adjustments:										
Olefins & Polyolefins - Americas	\$	2,137	\$	2,968	\$	3,573	\$	4,190	\$	2,053
Olefins & Polyolefins - EAI		865		548		839		1,410		545
Intermediates & Derivatives		1,410		1,621		1,492		1,552		142
Refining		977		481		182		409		(568)
Technology		191		197		232		232		41
Other		(111)		(7)		(7)		17		128
Total		5,469		5,808		6,311		7,810		2,341
Less:										
LCM Adjustments:										
Olefins & Polyolefins - Americas		-		-		-		279		279
Olefins & Polyolefins - EAI		-		-		-		44		44
Intermediates & Derivatives		-		-		-		93		93
Refining		-		-		-		344		344
Technology		-		-		-		-		-
Other		-		-		-		-		-
Total		-		-		-		760		760
EBITDA:										
Olefins & Polyolefins - Americas		2,137		2,968		3,573		3,911		1,774
Olefins & Polyolefins - EAI		865		548		839		1,366		501
Intermediates & Derivatives		1,410		1,621		1,492		1,459		49
Refining		977		481		182		65		(912)
Technology		191		197		232		232		41
Other		(111)		(7)		(7)		17		128
Total	\$	5,469	\$	5,808	\$	6,311	\$	7,050	\$	1,581

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 108

Last Twelve Months EBITDA

Reconciliation of Last Twelve Months (LTM) EBITDA Excluding LCM Adjustments to LTM EBITDA

	Year Decer	· Ended nber 31,	т	hree Mor	T M	Last welve onths		
			Ma	rch 31,	Ma	arch 31	Ma	arch 31
In Million of Dollars	2	014		2014		2015		2015
EBITDA Excluding LCM Adjustments:								
Olefins & Polyolefins - Americas	\$	4,190	\$	(736)	\$	1,074	\$	4,528
Olefins & Polyolefins - EAI		1,410		(356)		357		1,411
Intermediates & Derivatives		1,552		(375)		381		1,558
Refining		409		(129)		154		434
Technology		232		(76)		76		232
Other		17		4		2	_	23
Total		7,810	_	(1,668)		2,044		8,186
Less:								
LCM Adjustments:								
Olefins & Polyolefins - Americas		279		-		43		322
Olefins & Polyolefins - EAI		44		-		-		44
Intermediates & Derivatives		93		-		44		137
Refining		344		-		5		349
Technology		-		-		-		-
Other		-		-		-		-
Total		760	_	-		92	_	852
EBITDA:								
Olefins & Polyolefins - Americas		3,911		(736)		1,031		4,206
Olefins & Polyolefins - EAI		1,366		(356)		357		1,367
Intermediates & Derivatives		1,459		(375)		337		1,421
Refining		65		(129)		149		85
Technology		232		(76)		76		232
Other		17		4		2		23
Total	\$	7,050	\$	(1,668)	\$	1,952	\$	7,334

Reconciliation of Net Income to EBITDA

												Last Twelve
	For the Twelve Months Ended December 31,							Three Mo March 31	March 31	Months March 31		
In Million of Dollars		2011		2012		2013		2014	2014	2014	2015	2015
Net Income Attributable to the Company Shareholders	\$	2,147	\$	2,848	\$	3,857	\$	4,174	\$ 4,174	\$ (945)	\$ 1,166	\$ 4,395
Net Loss Attributable to Non-Controlling Interests		(7)		(14)		(4)		(6)	(6)	1	(2)	(7)
(Income) Loss from Discontinued Operations		332		24		7		4	4	1	3	8
LCM Adjustments, After Tax		-		-		-		483	483		58	541
Income from Continuing Operations Excluding LCM Adjustments		2,472		2,858		3,860		4,655	4,655	(943)	1,225	4,937
Less:												
LCM Adjustments, After Tax		-				-		(483)	(483)		(58)	(541)
Income from Continuing Operations		2,472		2,858		3,860		4,172	4,172	(943)	1,167	4,396
Provision for Income Taxes		1,059		1,327		1,136		1,540	1,540	(383)	440	1,597
Depreciation and Amortization		931		983		1,021		1,019	1,019	(256)	287	1,050
Interest expense, net		1,007		640		294		319	319	(86)	58	291
Add:												
LCM Adjustments, Before Tax		-		-		-		760	760	-	92	852
EBITDA Excluding LCM Adjustments		5,469		5,808		6,311		7,810	7,810	(1,668)	2,044	8,186
Less:												
LCM Adjustments, Before Tax								760	760		92	852
EBITDA	\$	5,469	\$	5,808	\$	6,311	\$	7,050	\$ 7,050	\$ (1,668)	\$ 1,952	\$ 7,334

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 110

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	the Two	elve Month	is Ended December 31,				
	 2011		2012		2013		2014	
Diluted Earnings Per Share from Continuing Operations Excluding LCM Adjustments	\$ 4.32	\$	4.96	\$	6.76	\$	8.92	
Less:								
LCM Adjustments	 -		-		-		0.92	
Diluted Earnings Per Share from Continuing Operations	\$ 4.32	\$	4.96	\$	6.76	\$	8.00	

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

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

Reconciliation of Free Cash Flow as a Percent of EBITDA - 2011 Through 2014

	For the Years Ended December 31,									
In Million of Dollars	2011			2012		2013	2014		201	1 - 2014
Net Cash Provided by Operating Activities	\$	2,860	\$	4,787	\$	4,835	\$	6,048	\$	4,633
Less:										
Capital Expenditures		1,050		1,060		1,561		1,499		1,293
Free Cash Flow	\$	1,810	\$	3,727	\$	3,274	\$	4,549	\$	3,340
EBITDA	\$	5,469	\$	5,808	\$	6,311	\$	7,050	\$	6,160
Free Cash Flow as a Percent of EBITDA		33%	_	64%	_	52%	_	65%		54%

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 112

Free Cash Flow as a Percent of 2014 Market Capitalization

Reconciliation of Free Cash Flow as a Percent of 2014 Market Capitalization - 2011 Through 2014

	 For	the `	lears End	ded D	ecember	31,		A	werage
In Million of Dollars	2011	2012			2013		2014	201	1 - 2014
Net Cash Provided by Operating Activities	\$ 2,860	\$	4,787	\$	4,835	\$	6,048	\$	4,633
Less:									
Capital Expenditures	 1,050		1,060		1,561		1,499		1,293
Free Cash Flow	\$ 1,810	\$	3,727	\$	3,274	\$	4,549	\$	3,340
Market Capitalization at December 31, 2014								\$	39,748
Average 2014 Market Capitalization						\$	49,123		
Free Cash Flow as a Percent of Market Capitalization						_	9%		8%

Reconciliation of Ratio of Total Debt to EBITDA and EBITDA Excluding LCM

	For the Twelve Months Ended December 31,										
In Million of Dollars	2	011		2012		2013		2014			
Current Maturities of Long-Term Debt	\$	4	\$	1	\$	1		4			
Short-Term Debt		48		95		58		346			
Long-Term Debt		3,980		4,304		5,776		6,757			
Total Debt		4,032		4,400		5,835		7,107			
Divided by:											
EBITDA		5,469		5,808		6,311		7,050			
Ratio of Total Debt to EBITDA		0.7x		0.8x		0.9x		1.0x			
LCM Adjustment				-				760			
EBITDA excluding LCM	\$	5,469	\$	5,808	\$	6,311	\$	7,810			
Ratio of Total Debt to EBITDA excluding LCM		0.7x		0.8x		0.9x		0.9x			

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 114

Ratio of Net Debt to EBITDA

Reconciliation of Ratio of Net Debt to EBITDA and EBITDA Excluding LCM

For the Twelve Months Ended December 31,											
2011	2012	2013	2014								
\$ 4	\$ 1	\$ 1	\$ 4								
48	95	58	346								
3,980	4,304	5,776	6,757								
4,032	4,400	5,835	7,107								
1,065	2,732	4,450	1,031								
	-		1,943								
1,065	2,732	4,450	2,974								
2,967	1,668	1,385	4,133								
5,469	5,808	6,311	7,050								
-	-	-	760								
\$ 5,469	\$ 5,808	\$ 6,311	\$ 7,810								
0.54x	0.29x	0.22x	0.59x								
0.54x	0.29x	0.22x	0.53x								
	Fe 2011 \$ 4 48 3,980 4,032 1,065 - 1,065 2,967 5,469 - \$ 0.54x 0.54x	For the Twelve Month 2011 2012 \$ 4 \$ 1 48 95 $3,980$ $4,304$ 4,032 $4,400$ $1,065$ $2,732$ - - - 1,065 $2,732$ $2,967$ $1,668$ 5,469 $5,808$ $ -$ \$ $5,469$ $5,808$ $ 0.54x$ $0.29x$ $0.29x$ $0.29x$	For the Twelve Months Ended December 2011 2012 2013 \$ 4 \$ 1 \$ 1 48 95 58 $3,980$ $4,304$ $5,776$ 4,032 4,400 5,835 $1,065$ $2,732$ $4,450$ 1,065 $2,732$ $4,450$ $ -$ 1,065 $2,732$ $4,450$ $ -$ 1,065 $2,732$ $4,450$ $ 2,967$ $1,668$ $1,385$ $5,469$ $5,808$ $6,311$ $ 5,469$ $5,808$ 8 $6,311$ $ 5,469$ $5,808$ 8 $6,311$ $ 0,54x$ $0.29x$ $0.22x$ $0.22x$								

Reconciliation of Ratio of EBITDA and EBITDA Excluding LCM to Net Interest Expense

		For	the Tw	elve Month	s Endec	l December	31,	
In Million of Dollars	20)11	1	2012		2013		2014
EBITDA	\$ 5,469		\$	\$ 5,808		6,311	\$	7,050
LCM Adjustment		-		-		-		760
EBITDA excluding LCM		5,469		5,808		6,311		7,810
Divided by:								
Interest expense		1,044		655		309		352
Interest income		37		15		15		33
Net interest expense		1,007		640		294		319
Less:								
Premiums and charges related to prepayments of debt		443		294		-	_	-
Adjusted net interest expense	\$	564	\$	346	\$	294	\$	319
Ratio of EBITDA to Net Interest Expense		9.7x		16.8x		21.5x		22.1x
Ratio of EBITDA excluding LCM to Net Interest Expense		9.7x		16.8x		21.5x		24.5x

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 116

Ratio of EBITDA to Net Operating Assets

Reconciliation of Ratio of EBITDA to Net Operating Assets

	 For	the `	Years En	ded D	ecember	• 31,		
In Million of Dollars	2011		2012		2013		2014	2011 vs 2014
EBITDA	\$ 5,469	\$	5,808	\$	6,311	\$	7,050	
Accounts Receivable	3,778		3,904		4,030		3,448	
Goodwill	585		591		605		566	
Investments and Long-Term Receivables	2,043		2,363		2,114		2,064	
Inventory	5,499		5,075		5,279		4,517	
Property, Plant and Equipment, Net	7,333		7,696		8,457		8,758	
	 19,238		19,629		20,485		19,353	
Less:								
Accounts Payable	 3,414		3,285		3,572		3,064	
Net Operating Assets	\$ 15,824	\$	16,344	\$	16,913	\$	16,289	
Ratio of EBITDA to Net Operating Assets	 34.6%						43.3%	8.7%

Reconciliation of EBITDA per Pound of Ethylene Capacity

	For	the	Years En	ded D	ecember	31,	
In Million of Dollars Unless Otherwise Indicated	 2011	2012		2013			2014
EBITDA:							
O&P-Americas	\$ 2,137	\$	2,968	\$	3,573	\$	3,911
O&P-EAI	865		548		839		1,366
Annual Ethylene Capacity (Millions of Pounds):							
O&P-Americas	9,590		9,750		9,870		10,670
O&P-EAI	4,829		4,829		4,829		4,829
EBITDA per Pounds of Ethylene Capacity:							
O&P-Americas	22.3¢		30.4¢		36.2¢		36.7¢
O&P-EAI	17.9¢		11.3¢		17.4¢		28.3¢

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 118

Refining: EBITDA ex. LCM less Capital Expenditures Technology: EBITDA Margin

Reconciliation of Refining Segment EBITDA Excluding LCM in Excess of Capital Expenditures

In Million of Dollars	2011		11 2012		2013		2014		201	1 - 2014
EBITDA excluding LCM Less:	\$	977	\$	481	\$	182	\$	409	\$	2,049
Capital Expenditures		224		136		209		123		692
EBITDA excluding LCM in Excess of Capital Expenditures	\$	753	\$	345	\$	(27)	\$	286	\$	1,357

Reconciliation of 2014 EBITDA Margin for the Technology Segment

	For t E Decer	he Year nded mber 31,
In Million of Dollars	2	2014
EBITDA	\$	232
Divided by:		
Revenue		497
EBITDA Margin		47%

Reconciliation of Intermediates & Derivatives Segment EBITDA Excluding LCM in Excess of Capital Expenditures

			Average							
In Million of Dollars	2011		11 2012		2013		2014		201	1 - 2014
EBITDA excluding LCM Less:	\$	1,410	\$	1,621	\$	1,492	\$	1,552	\$	1,519
Capital Expenditures EBITDA excluding LCM in Excess of Capital Expenditures	\$	101 1,309	\$	159 1,462	\$	443 1,049	\$	241 1,311	\$	236 1,283

Reconciliation of Intermediates & Derivatives Segment Average EBITDA Excluding LCM Margin

		Average								
In Million of Dollars	2011		2012		2013		2014		2011 - 2014	
EBITDA excluding LCM	\$	1,410	\$	1,621	\$	1,492	\$	1,552	\$	1,519
Divided by:										
Revenues		9,500		9,658		9,472		10,130		9,690
EBITDA excluding LCM Margin		15%		17%		16%		15%		16%

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 120

LYB and LYB Chem Operating Margin and NOPAT Margin

Calculation of 2014 LYB and LYB Chem Operating Margin

		Less: Refining								
In Million of Dollars	LYB	S	egment	LY	BChem					
Revenues	\$ 45,608	\$	11,710	\$	33,898					
Operating Income	5,736		(106)		5,842					
Operating Margin	12.6%				17.2%					

Calculation of LYB and LYB Chem NOPAT Margins

		For	the Y	ear Ended	Dece	mber 31, 2	014	
In Million of Dollars	LYB Effective Income Tax Rate			LYB	R	Less: efining egment	LY	B Chem
Revenues			\$	45,608	\$	11,710	\$	33,898
Operating Income				5,736		(106)		5,842
Income from Continuing Operations Before Income Taxes	\$	5,712						
Provision for Income Taxes		1,540						
Effective Income Tax Rate		27%		27%				27%
Net Operating Profit After Tax (NOPAT)				4,190				4,267
Divided by:								
Revenues				45,608				33,898
NOPAT Margin			_	9.2%				12.6%

LYB Return on Invested Capital and Enterprise Value to EBITDA

Calculation of LYB Return on Invested Capital (ROIC)

For the Year Ended December 31, 2014	
	27%
	4,190
	8,344
	4
	346
	6,757
	15,451
	27.1%
	\$

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

In Million of Dollars except for common shares outstanding			
Common Shares Outstanding, March 31, 2015	475,379,537		
Multiplied by:			
Closing Share Price, March 31, 2015	\$	87.80	
Market Capitalization	\$	41,738	
Add:			
Current Maturities of Long-Term Debt		4	
Short-Term Debt		514	
Long-Term Debt		7,749	
Less:			
Cash		1,616	
Short-Term Investments		1,478	
Net Debt		5,173	
Non-Controlling Interests		28	
Enterprise Value		46,939	
Divided by:			
Last 12 Months EBITDA		7,334	
Ratio of Enterprise Value to EBITDA		6.4	

THE RIGHT PIECES IN THE RIGHT PLACES

lyondellbasell 122

Bhavesh V. (Bob) Patel Chief Executive Officer Chairman, Management Board

Bhavesh V. (Bob) Patel is chief executive officer of LyondellBasell, a position he assumed on January 12, 2015.

Patel joined LyondellBasell in March 2010 as senior vice president, Olefins & Polyolefins (O&P) – Americas, where he

successfully restructured the business to take advantage of the shale gas expansion in the U.S. In November 2010, he was named senior vice president, O&P – Europe, Asia and International (O&P EAI).

Patel was promoted to executive vice president of O&P EAI in October 2013 and given additional responsibility for the Company's manufacturing operations outside of the Americas. As executive vice president, Patel led the Company's outperformance of its peers in Europe and Asia by streamlining operations, shifting to advantaged feedstocks and operating plants more reliably.

In April of 2014, Patel was appointed by shareholders to the Company's Management Board and became its chairman when he assumed the role of CEO in early 2015. The Company's Management Board is responsible for overall management of the Company and the implementation of corporate strategy.

Prior to joining LyondellBasell, Patel was general manager, olefins and natural gas liquids for Chevron Phillips Chemical Company, where he was responsible for all aspects of one of the company's largest business lines. He also served as general manager, Asia-Pacific region, based in Singapore, where he led all of the company's activities in the region. Prior to Chevron Phillips Chemical, Patel joined Chevron Corporation in 1990, where he worked for it and its affiliates for over 20 years.

Patel serves on the executive committee and the board of directors of the American Chemistry Council.

Patel received a Bachelor of Science degree in chemical engineering from Ohio State University. He also holds a Masters in Business Administration from Temple University.

Sergey Vasnetesov Senior Vice President Strategic Planning and Transactions

Sergey Vasnetsov is senior vice president, strategic planning and transactions for LyondellBasell, one of the world's largest plastics, chemicals and refining companies.

Vasnetsov has a broad and deep knowledge of the global chemicals industry. Prior to joining LyondellBasell in August 2010, he served as managing director and head of the global chemical research group for Barclays Capital.

Vasnetsov began his industrial career as a senior chemist at Union Carbide's corporate polyolefin catalysts research and development center in Bound Brook, N.J. He then transitioned to investment banking, serving over 14 years as a senior research analyst for the global petrochemical industry. For nine consecutive years, he was recognized as one of the top industry analysts by Institutional Investor Magazine.

Vasnetsov graduated with a Master of Science degree in kinetics and catalysis from the University of Novosibirsk in Russia and also was a George Soros Scholar at Oxford University (UK). He later earned a master's in business administration (MBA) in finance from Rutgers University. He is based in Houston, Texas.

Tim Roberts Executive Vice President Global Olefins and Polyolefins

Timothy (Tim) Roberts is executive vice president of the Olefins and Polyolefins – Global (O&P – Global) segment for LyondellBasell, one of the world's largest plastics, chemicals and refining companies.

Roberts is responsible for the company's olefins and polyolefins businesses and joint ventures worldwide. The O&P – Global segment produces and markets ethylene and its co-products, polyethylene, polypropylene and Catalloy process resins.

Roberts was named executive vice president of O&P – Global in January 2015. He has been a member of the Company's Management Board since April 2014, and had previously served as executive vice president O&P – Americas. He joined LyondellBasell in June 2011 as senior vice president of O&P – Americas. Prior to joining the Company, Roberts was vice president of planning and development for Chevron Phillips Chemical. He previously served as president and CEO of Americas Styrenics LLC, a joint venture between The Dow Chemical Company and Chevron Phillips Chemical.

Roberts worked for Chevron Phillips, its predecessors and joint ventures for more than 20 years. During that time he held a number of management positions with increasing responsibilities including general manager of styrenics and specialty chemicals, director of capital projects and country manager in Qatar.

Roberts received his Bachelor of Science degree from Ball State University. He is based in Houston, Texas.

Pat Quarles Executive Vice President I&D, Supply Chain, and Procurement

Patrick (Pat) Quarles is executive vice president of the Intermediates and Derivatives (I&D) segment and the Supply Chain and Procurement functions for LyondellBasell, one of the

world's largest plastics, chemicals and refining companies. The I&D segment produces propylene oxide and its co-products and derivatives, acetyls, ethylene oxide and its derivatives, and oxyfuels.

Quarles was named executive vice president I&D, Supply Chain and Procurement in January 2015 and has been a member of the Company's Management Board since April 2014. He had previously served as senior vice president – I&D since 2009.

Quarles started his career with ARCO/Union Carbide in 1990 and has held various positions in sales, marketing and business management. Prior to 2008, Quarles was vice president of performance chemicals for Lyondell, with global responsibilities for the solvents, chemical C4's, acetyls and butanediol businesses. He also previously served as director of business performance and analysis and director of investor relations for Lyondell.

Quarles earned a Bachelor of Science degree in mechanical engineering from Clemson University in 1989 and a Master of Management degree from The J. L. Kellogg Graduate School of Business at Northwestern University in 1995. He is based in Houston, Texas.

Kevin Brown Executive Vice President

Manufacturing and Refining

Kevin W. Brown is executive vice president of Manufacturing and Refining for LyondellBasell, one of the world's largest plastics,

chemicals and refining companies. He is responsible for all of the

Company's manufacturing sites worldwide, as well as for leading the company's refining business, global engineering services and global projects.

Brown was named executive vice president – Manufacturing and Refining in January 2015. Prior to this role, he had served as senior vice president – Refining since 2009.

Prior to joining LyondellBasell in October 2009, Brown was executive vice president, operations for Sinclair Oil Corporation, and also served on the company's board of directors. In this position, he had responsibility for the corporation's refining, pipeline, terminal and trucking divisions. Additionally, he directed the corporate environmental, engineering, health and safety function; crude oil supply department; the process and planning department and the oil corporation's downstream construction activities. He was previously the operations manager and refinery manager of Sinclair's Tulsa refinery. Brown began his career with Texaco's refining operations in Louisiana and Texas.

Brown currently serves on the executive committee of the American Fuel & Petrochemical Manufacturers (AFPM) and was previously chairman and vice chairman of the association. He is a member of the Arkansas Academy of Chemical Engineers and the University of Arkansas' Dean's Advisory Council and serves on the university's Campaign Arkansas.

Brown received a Bachelor of Science degree in chemical engineering from the University of Arkansas. He is based in Houston, Texas.