SEIZE THE MOMENT SECURING THE FUTURE

Bank of America Merrill Lynch Basic Materials Conference

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Cautionary Statement

The statements in this presentation relating to matters that are not historical facts are forward-looking statements. These forward-looking statements are based upon assumptions of management 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; legal and environmental proceedings; tax rulings, consequences or proceedings; technological developments, and our ability to develop new products and process technologies; potential governmental regulatory actions; political unrest and terrorist acts; risks and uncertainties posed by international operations, including foreign currency fluctuations; and our ability to comply with debt covenants and 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, 2012, 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.

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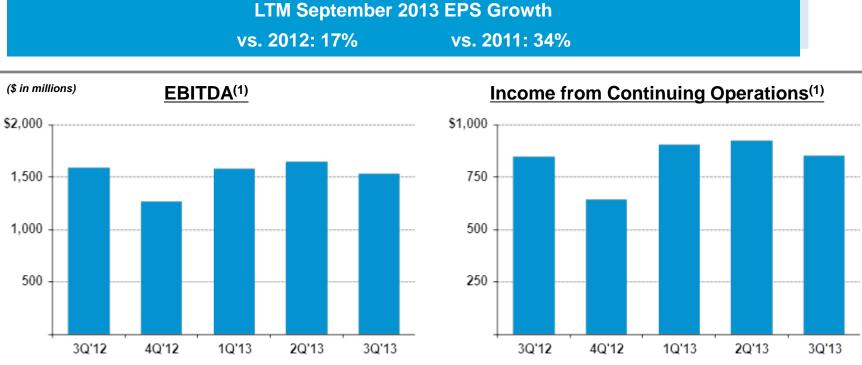
Information Related to Financial Measures

We have included EBITDA in this presentation, which is a non-GAAP measure, as we believe that EBITDA is a measure commonly used by investors. However, 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. For purposes of this presentation, EBITDA means 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. See slide # 26 for reconciliations of EBITDA to net income.

While we also believe that free cash flow (FCF) is a measure commonly used by investors, free cash flow, 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. For purposes of this presentation, free cash flow means net cash provided by operating activities minus capital expenditures.

LYB Highlights

(\$ in millions, except per share data)	LTM Sept 2013	FY 2012	FY 2011
EBITDA ⁽¹⁾	\$6,033	\$5,808	\$5,469
Income from Continuing Operations ⁽¹⁾	\$3,328	\$2,858	\$2,472
Diluted Earnings (\$ / share) from Continuing Operations	\$5.80	\$4.96	\$4.32

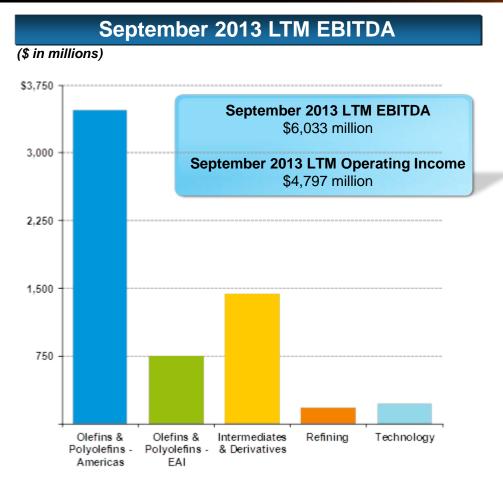


(1) EBITDA and Income from continuing operations include a pre-tax lower of cost or market inventory valuation adjustment of \$71 million in the third quarter which reversed a charge in the second quarter of 2012, due to a recovery in market price.

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World-Class Scale, Leading Market Positions



Products	Global Position
Chemicals	
Ethylene	#5
Propylene	#5
Propylene Oxide	#2
Polymers Polyolefins (PE + PP) Polypropylene Polyethylene Polypropylene Compounds	#1 #1 #4 #1
Fuels Oxyfuels	#1
Technology and R&D Polyolefins Licensing	#2

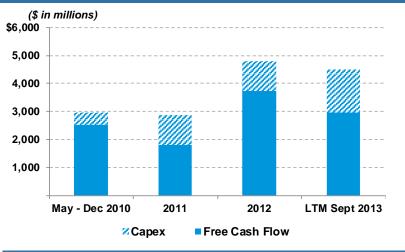
Note: Positions based on LyondellBasell wholly owned capacity and pro rata share of JV capacities as of December 31, 2012.



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Sustained Cash Generation: Share Repurchases & Dividends

Cash From Operations

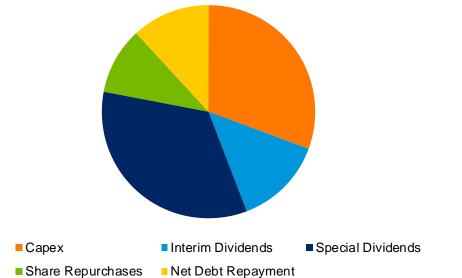


Key Statistics

Snapshot at September 30, 2013 LTM FCF: \$3.0 billion LTM Capex: \$1.5 billion Cash: \$4.4 billion Total Debt/LTM EBITDA: 1.0x Total Debt/Book Capital: 33%

Cash Deployment Since Inception⁽¹⁾

~ \$ 12 Billion



Robust Free Cash Flow generation allowed for debt repayment, large dividends (\$10.15/share⁽²⁾ from 2011 through Third Quarter 2013), and share repurchases (~ 19 million shares since May'2013 approval through Sept. 30, 2013)

(1) Cash deployment since inception through September 30, 2013 is presented in this graph.

(2) Does not include the \$0.50 per share interim dividend declared in the third quarter and paid on October 7th, 2013.



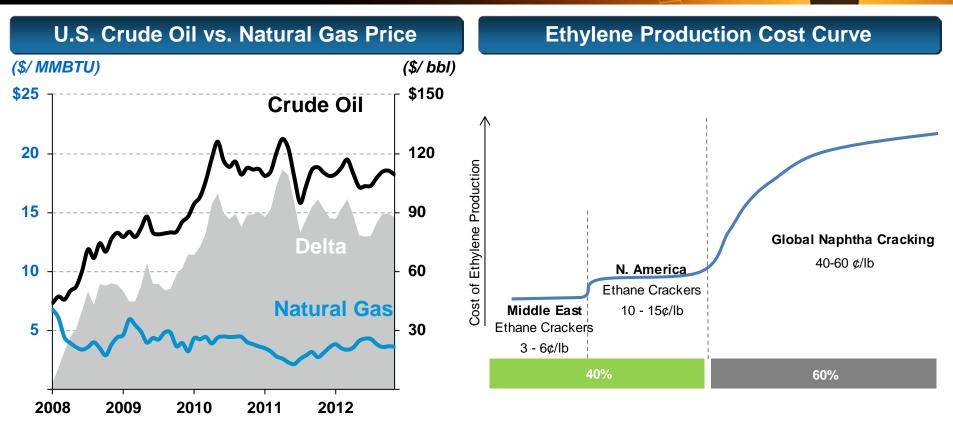
Optimizing Our Businesses

Segment	LYB Market Position	Portfolio Role
Olefins & Polyolefins – Americas	NGL advantageCyclical upside	Invest
Olefins & Polyolefins – EAI	 Commodities – naphtha based, with cyclical upside Differentiated positions in <i>Catalloy</i>, PP compounding, and JVs 	Restructure
Intermediates & Derivatives (I&D)	Proprietary technologiesNatural gas advantage	Invest
Refining	 Large, heavy crude refinery 	Sustain
Technology	Strong technology positionMaintain leadership	Optimize

In the second



Macroeconomic Background

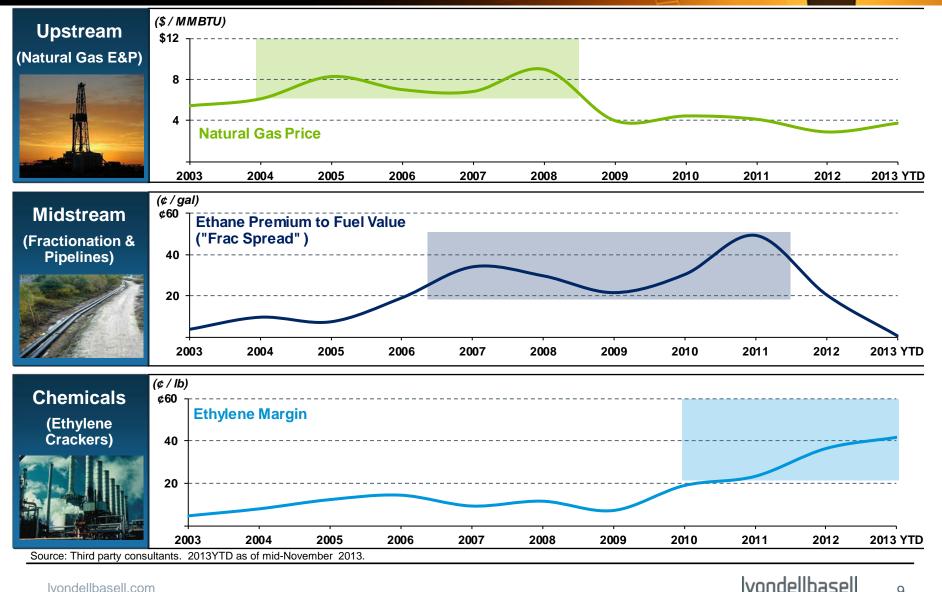


U.S. shale gas revolution significant driver of profitability in North American Olefins and Polyolefins and Intermediate and Derivatives business units

Sources: LYB estimates, third party consultants. Crude oil and natural gas data updated through mid-November 2013.



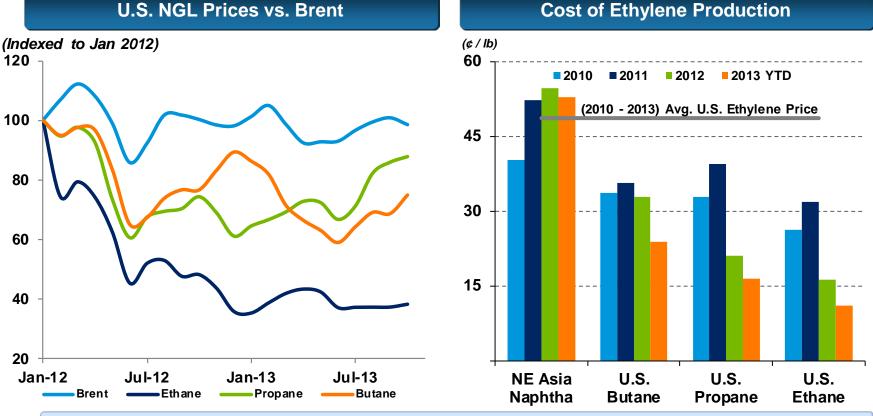
Evolution of Shale Gas Value Chain



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O&P – Americas: Fundamentals of Natural G NGLs Have Defined the Environment



- U.S. NGL advantage has grown steadily
- Cost of ethylene production from naphtha has been high but stable
- LYB has increased NGL cracking capability from ~70% in 2010 to ~ 88% in the first nine months of 2013

Source: Third party consultants. 2013 YTD as of mid-November 2013.

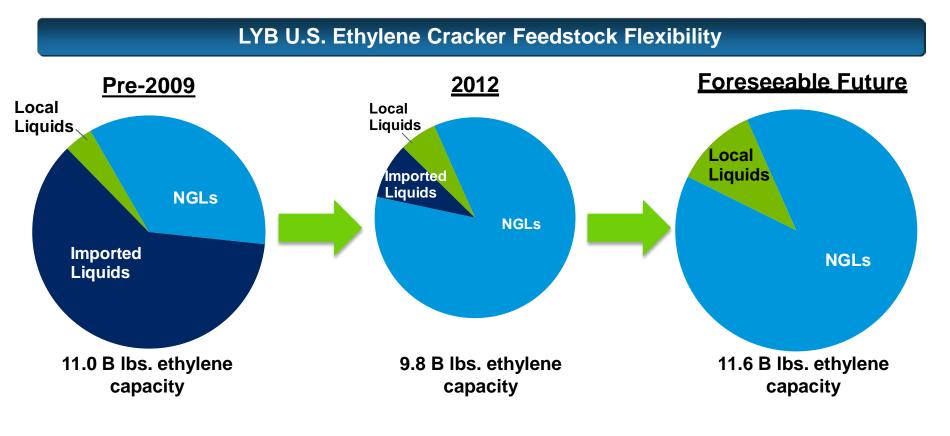
Favorable Supply/Demand Balances

U.S. Ethane Supply/Demand **Ethylene Global Operating Rates** (MBPD) 550 100% 2,100 I Forecast World Effective Supply **Operating Rate** 500 95% 1,800 Capacity / Demand (billions of pounds) (LYB View) Effective Operating Rate 90% 1,500 450 Additional Dema 85% 1,200 400 900 350 80% Base Demand (EOR) 600 Demand 300 75% 300 250 70% Capacity 0 200 65% 2011 2013 2014 2015 2010 2012 2016 2017 2008 2010 2012 2014E 2016E 2018E 2020E

- N. America effective ethylene industry operating rate ~ 95% in 2013 YTD
- Ethane production is expected to continue exceeding demand

Source: Third party consultants and LYB estimates.

O&P – Americas: Feedstock Flexibility Boosts Profitability



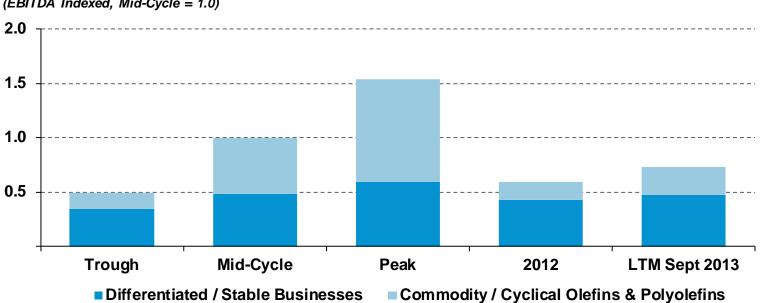
~ 88% of ethylene production in 2013 Q3 to date from NGLs

Source: LYB. Note: Percentages based on volume of feedstock consumed. Future feedstock mix is LYB estimate.



O&P – EAI: Our Recent Profits Were Primar **Generated from Our Differentiated Position**

Indexed O&P EAI EBITDA Scenarios⁽¹⁾



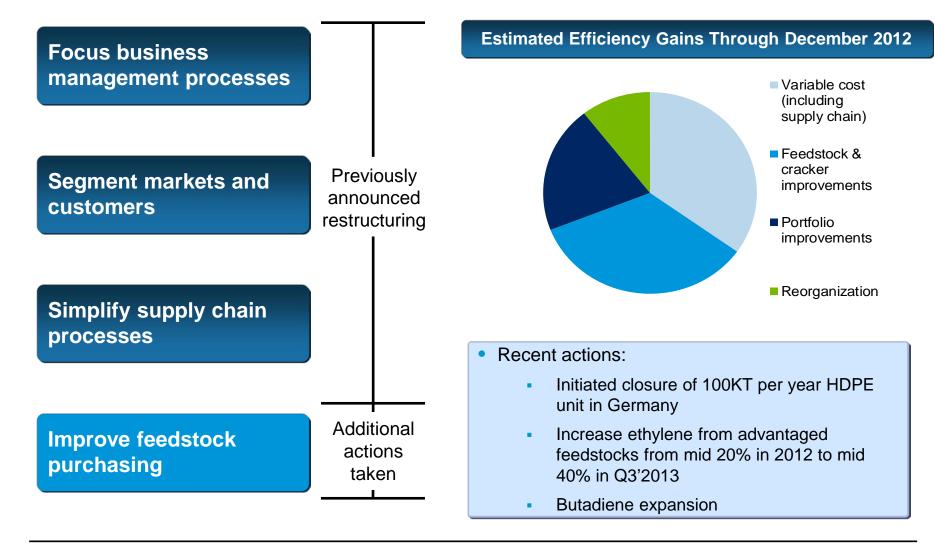
(EBITDA Indexed, Mid-Cycle = 1.0)

O&P EAI portfolio is more than European olefins and commodity polyolefins

- Global polypropylene compounds
- Middle East and Asian JVs
- Premium grades of polyolefins (Catalloy, Polybutene-1)
- Differentiated products typically can represent \$350 \$550 million per year over the cycle

(1) O&P EAI trough, mid-cycle and peak EBITDA values are based on LYB estimates.

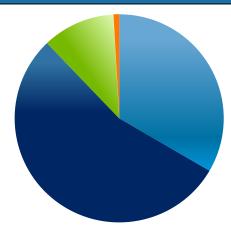
O&P – EAI: Significant Progress Through Restructuring and Improved Operations



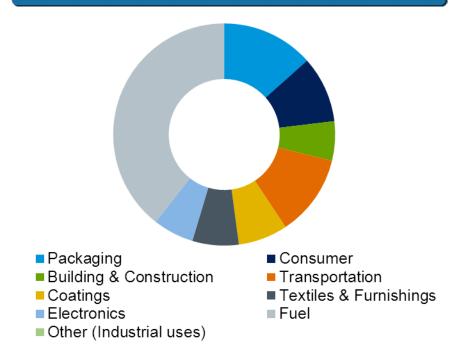
I&D: Businesses Key Advantages

	РО	C4's / Oxyfuels	Acetyls	EO & Derivatives
Proprietary Technology	\checkmark	\checkmark	\checkmark	
Advantaged NGL / Crude Oil Price Ratio		\checkmark	\checkmark	\checkmark

2012 Intermediates & Derivatives EBITDA



2012 Sales by End Use⁽¹⁾



Proprietary Technology
 Proprietary Technology + Natural gas opportunities
 Natural gas and NGL opportunities
 Undifferentiated

(1) Estimated based on LYB 2012 Intermediates and Derivatives third party sales, and third party industry estimates of products end uses.



I&D: Profitability Drivers for Propylene Oxide

Key Drivers

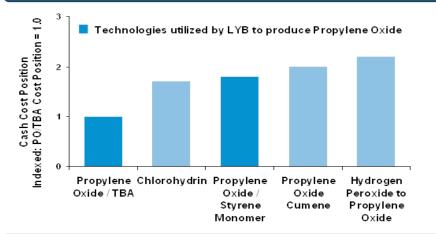
- Propylene oxide demand growth
 - 5% per year globally
 - 9% per year in Asia
- High barrier to entry

Sources of LYB Competitive Advantage

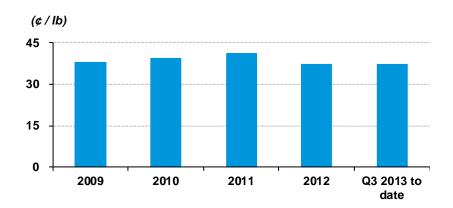
- Large global system
- Proprietary low cost technology

Source: Third party consultants and LYB 2012 data and estimates.

Economics of PO Technologies



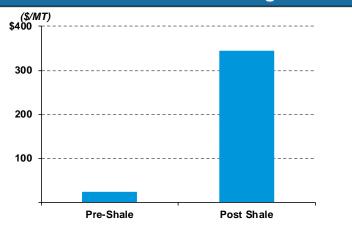
Propylene Glycol Raw Material Margin



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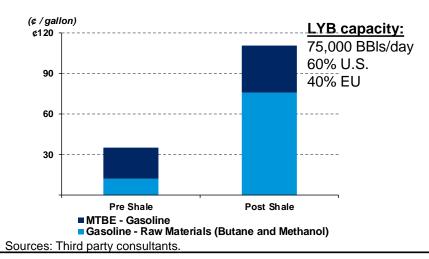
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I&D Benefits from Shale Gas Development – Methanol & Oxyfuels



Methanol Cash Margins

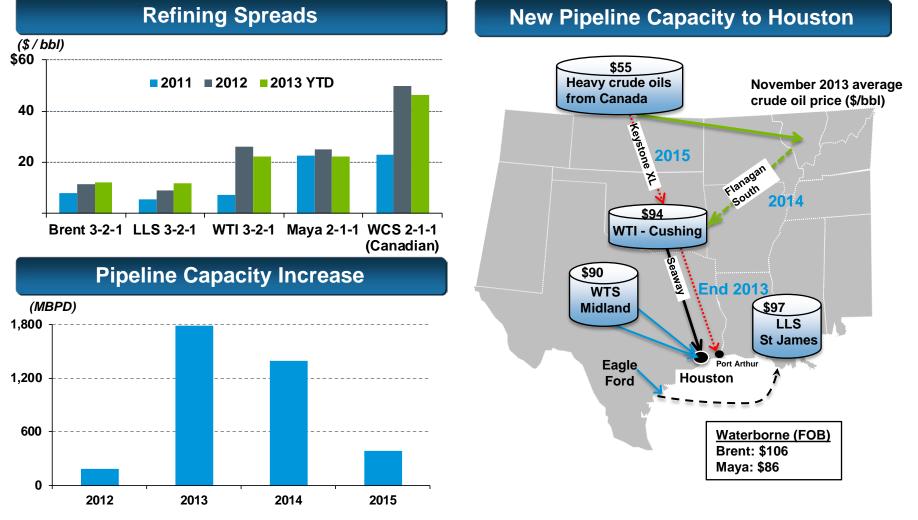
MTBE Spread Factors



ethanol Unit Restart, Channe



Refining: Profitability Has Been Driven by Geography and Complexity



Source: Bloomberg and Wall Street research. Notes: Maya 2-1-1 based on LLS pricing. WCS refers to west Canadian select vs. Gulf Coast products. 2013 YTD as of mid-November 2013.

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Cash Deployment Hierarchy

		Current Status	Comments
	Base Capex	\$700 - \$800 million/yr	 First priorities for cash
Foundation	Interim Dividend	~\$330 million/yr \$0.60/share ⁽¹⁾ per quarter	 Fund through the cycle with cash flow from operations
	Growth Capex	~\$750 million per year over next 2 years	 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



Growth and Operational Improvement Programs

Opportunities	Capital Investments	Pre-tax Earnings
Operational Improvements	Minimal	~ \$250 – 400 Million
Complete & Active Growth Projects	~ \$1,490 Million	~ \$1,140 - \$1,320 Million
Possible/ Developing Growth Projects	~ \$440 Million	~ \$300 - \$410 Million

At September 2013 LTM conditions, our growth and improvement programs are expected to generate an additional \$1.7 – 2.1 billion pre-tax earnings per year by 2017

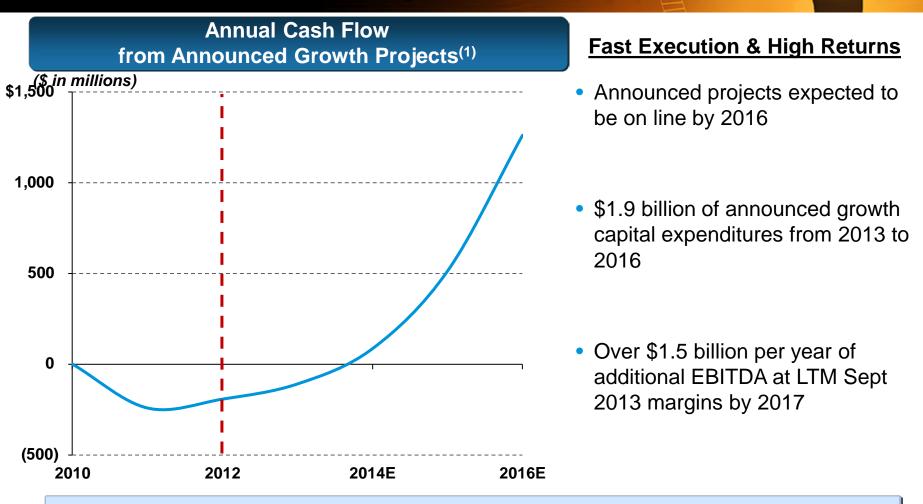
(1) Costs are based on company estimates and earnings values are based on LTM September 2013 industry benchmark margins.

Projects Completed and Active

Project	Cost (\$Million)	Start-up	Potential Pre-Tax Earnings (\$ Million/year)							
Increase Ethane Capability	~\$25	2012	\$120 - \$140							
Midwest Debottlenecks	~\$25	2012	\$30 - \$40							
EU Butadiene Expansion	~\$100	Mid 2013	\$40 - \$50							
Methanol Restart	~\$170	Late 2013	\$250 - \$260							
PE Debottleneck	~\$20	Early 2014	\$10 - \$20							
La Porte Expansion	~\$420	Mid 2014	\$300 - \$350							
Channelview Expansion	~\$200	Early 2015	\$90 - \$110							
Corpus Christi Expansion	~\$530	Late 2015	\$300 - \$350							
Total	~ \$1,490		~ \$1,140 - \$1,320							
	Complete In Construction Permit Pending									

(1) Costs are based on company estimates and values are based on LTM September 2013 industry benchmark margins.

Importance of Capital Project Selection

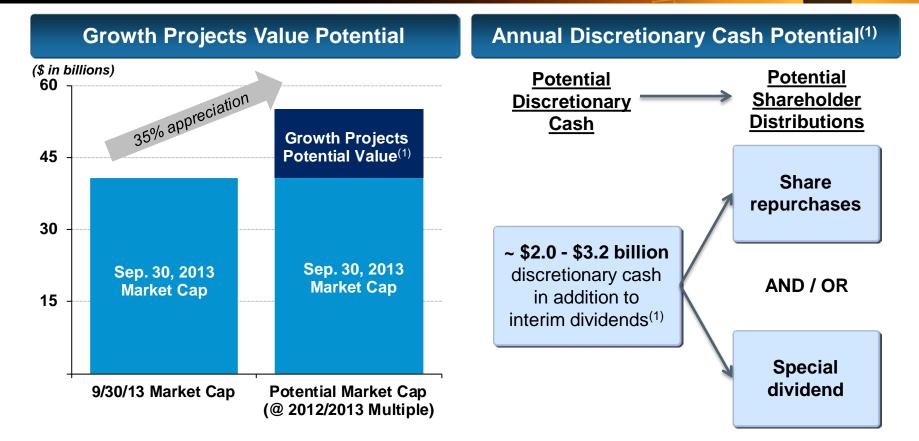


Capital project portfolio selected for optimum use of cash to maximize returns

(1) EBITDA estimates assume LTM September 2013 benchmark margins for future periods. Cash flow defined as EBITDA less depreciation, cash taxes and capital expenditures.



Value from Both Growth and Cash Distributions



Significant potential shareholder return from both growth investments and discretionary cash distributions

(1) Based on: Sep. 30, 2013 market capitalization, growth projects potential values at constant LTM September 2013 industry benchmark margins, the increase in 2013 interim dividends and interest on new debt issuance.

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Appendix

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Reconciliation of Segment Information to Consolidated Financial Information

Reconciliation of Segment Information to Consolidated Financial Information

	2012										20	13						
(Millions of U.S. dollars)		Q1		Q2		Q3		Q4		Total		Q1		Q2		Q3		YTD
Sales and other operating revenues:																		
Olefins & Polyolefins - Americas	\$	3,349	\$	3,283	\$	3,217	\$	3,085	\$	12,934	\$	3,244	\$	3,251	\$	3,315	\$	9,810
Olefins & Polyolefins - Europe, Asia, International		3,898		3,575		3,448		3,600		14,521		3,800		3,708		3,594		11,102
Intermediates & Derivatives		2,485		2,285		2,637		2,251		9,658		2,282		2,217		2,452		6,951
Refining		3,203		3,496		3,272		3,320		13,291		2,468		3,077		3,177		8,722
Technology		119		115		124		140		498		134		132		124		390
Other		(1,320)		(1,506)		(1,425)		(1,299)		(5,550)		(1,259)		(1,282)		(1,510)		(4,051)
Continuing Operations	\$	11,734	\$	11,248	\$	11,273	\$	11,097	\$	45,352	\$	10,669	\$	11,103	\$	11,152	\$	32,924
Operating income (loss):																		
Olefins & Polyolefins - Americas	\$	519	\$	700	\$	738	\$	693	\$	2,650	\$	821	\$	872	\$	759	\$	2,452
Olefins & Polyolefins - Europe, Asia, International		3		203		15		(94)		127		93		189		78		360
Intermediates & Derivatives		370		390		424		246		1,430		323		285		371		979
Refining		10		124		114		86		334		(17)		(16)		(37)		(70)
Technology		38		30		31		23		122		50		39		35		124
Other				2		6		5		13		(3)		(5)		1		(7)
Continuing Operations	\$	940	\$	1,449	\$	1,328	\$	959	\$	4,676	\$	1,267	\$	1,364	\$	1,207	\$	3,838
Depreciation and amortization:																		
Olefins & Polyolefins - Americas	\$	65	\$	71	\$	69	\$	76	\$	281	\$	75	\$	69	\$	73	\$	217
Olefins & Polyolefins - Europe, Asia, International		69		69		63		84		285		77		76		78		231
Intermediates & Derivatives		47		48		49		50		194		48		50		50		148
Refining		38		37		36		37		148		36		37		45		118
Technology		18		19		18		18		73		17		20		16		53
Other						1		1		2				2				2
Continuing Operations	\$	237	\$	244	\$	236	\$	266	\$	983	\$	253	\$	254	\$	262	\$	769
EBITDA: ^(a)																		
Olefins & Polyolefins - Americas	\$	595	\$	781	\$	814	\$	778	\$	2,968	\$	898	\$	951	\$	841	\$	2,690
Olefins & Polyolefins - Europe, Asia, International		115		305		102		26		548		225		295		204		724
Intermediates & Derivatives		417		432		475		297		1,621		373		338		427		1,138
Refining		48		160		150		123		481		20		20		8		48
Technology		56		50		49		42		197		66		59		52		177
Other		(4)		(1)		(1)		(1)		(7)		3		(11)		(1)		(9)
Continuing Operations	\$	1,227	\$	1,727	\$	1,589	\$	1,265	\$	5,808	\$	1,585	\$	1,652	\$	1,531	\$	4,768
Capital, turnarounds and IT deferred spending:	-		=		-		_		_	-	-		_		_		_	
Olefins & Polyolefins - Americas	\$	102	\$	135	\$	126	\$	105	\$	468	\$	122	\$	122	\$	218	\$	462
Olefins & Polyolefins - Europe, Asia, International		60		39		60		95		254		63		46		44		153
Intermediates & Derivatives		18		24		44		73		159		106		141		119		366
Refining		38		27		24		47		136		93		67		36		196
Technology		9		8		12		14		43		7		6		7		20
Other		2		3		1		(1)		5				5		(1)		4
Total		229		236		267		333		1,065		391		387		423		1,201
Deferred charges included above		(1)		(3)		(1)				(5)								
Continuing Operations	\$	228	\$	233	\$	266	\$	333	\$	1,060	\$	391	\$	387	\$	423	\$	1,201
<u> </u>																		

(a) See slide 26 for EBITDA calculation.

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Reconciliation of EBITDA to Income from Continuing operations

	 2012						2013											
(Millions of U.S. dollars)	 Q1		Q2		Q3		Q4	 Total		Q1		Q2	Q3		YTD			
Net income attributable to the Company shareholders	\$ 600	\$	770	\$	846	\$	632	\$ 2,848	\$	901	\$	929 \$	853	\$	2,683			
Net income (loss) attributable to non-controlling interests	(1)		(2)		(2)		(9)	(14)		(1)		(2)	(2)		(5)			
(Income) loss from discontinued operations, net of tax	 (5)				7		22	 24		6		(4)	3		5			
Income from continuing operations	594		768		851		645	2,858		906		923	854		2,683			
Provision for income taxes	301		306		435		285	1,327		357		410	339		1,106			
Depreciation and amortization	237		244		236		266	983		253		254	262		769			
Interest expense, net	 95		409		67		69	 640		69		65	76		210			
EBITDA	\$ 1,227	\$	1,727	\$	1,589	\$	1,265	\$ 5,808	\$	1,585	\$	1,652 \$	1,531	\$	4,768			

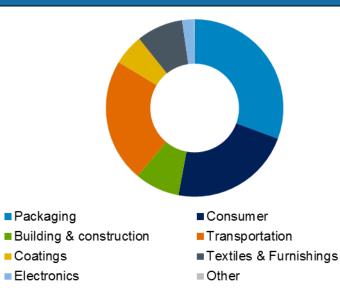
	2011												
(Millions of U.S. dollars)		Q1		Q2	Q3		Q4		Total				
Net income (loss) attributable to the Company shareholder	\$	663	\$	804 \$	895	\$	(215)	\$	2,147				
Net loss attributable to non-controlling interests		(3)		(1)	-		(3)		(7)				
Loss from discontinued operations, net of tax		22		48	17		245		332				
Income from continuing operations		682		851	912		27		2,472				
Provision for (benefit from) income taxes		263		388	506		(98)		1,059				
Depreciation and amortization		215		224	237		255		931				
Interest expense, net		156		163	146		542		1,007				
EBITDA	\$	1,316	\$	1,626 \$	1,801	\$	726	\$	5,469				

LYB Has Diverse Footprint and End Uses

\$60,000 50,000 40,000 30,000 20,000 10,000 2011 2012 North America Europe ROW

Sales by Region

2012 Chemical Sales by End Use⁽¹⁾



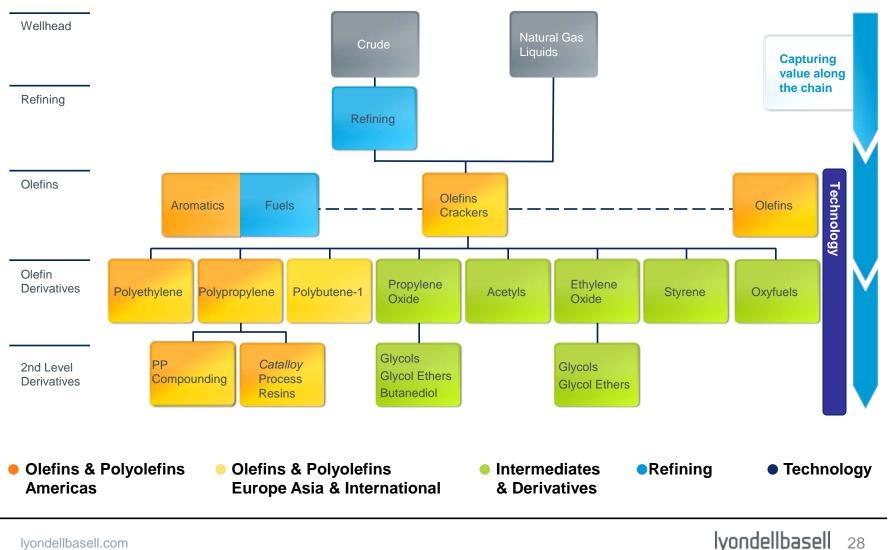
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N. America sales represent ~ 55% of total company revenues

(1) Estimated based on LYB 2012 third party chemical sales (O&P and Intermediates & Derivatives segments excluding olefin fuel products and oxyfuel sales) and third party industry volume estimates of product end uses.

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Diversified and Vertically Integrated Portfolio



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Olefins & Polyolefins – Americas

- Largest light olefins producer in North America
 - #1 propylene, #2 ethylene
 - Significant competitive advantage with scale, feedstock supply flexibility and vertical integration
- Third largest polyethylene producer in North America
 - Broad product portfolio provides market diversification and differential economics
- Largest polypropylene producer in North America
 - Advantaged propylene position due to high degree of integration
 - Catalloy adds specialty component

Product Position and Footprint

<u>Product</u> Light Olefins	Facilities 6 Crackers	Capacity(1)NA9.8 Bn lbs (ethylene)	Ranking #1
Polypropylene	4 sites ⁽²⁾	4.4 Bn lbs	#1
Polyethylene	6 sites	5.9 Bn lbs	#3



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Market leading positions + U.S. Natural Gas Liquids Advantage

Sources: Third party consultant, LYB.

(1) - Includes LYB wholly owned capacity and 100% of JV capacity as of December 31, 2012.

(2) - Includes Indelpro JV.

Olefins & Polyolefins - Europe, Asia, International

Moderate olefins position

- Medium-size light olefins player in Western Europe
- Large scale polymer position
 - Largest polyethylene producer in Western Europe
 - #1 high density polyethylene
 - #3 low density polyethylene
 - Largest polypropylene producer in Western Europe with *Catalloy* adding to differentiation capability
 - Largest PP Compounds producer globally
- Significant Joint Ventures
 - 8 JVs in Middle East and Asia-Pacific

Product Position and Footprint

Product	Facilities	Capacity ⁽¹⁾	W.E. Ranking
Ethylene	5 Crackers (1 JV)	6.5 Bn Ibs	#6
Butadiene	2 sites	550 Mn lbs	#4
Polypropylene	16 sites (7 JVs)	13.0 Bn lbs	#1
Polyethylene	6 sites (2 JVs)	7.2 Bn Ibs	#1
PP Compounding	16 sites (3 JVs)	2.6 Bn Ibs	#1



Differentiated positions have provided steady results

Sources: Third party consultant, LYB.

(1) - Includes LYB wholly owned capacity and 100% of JV capacity as of December 31, 2012.

Intermediates & Derivatives (I&D)

- Leading propylene oxide position and technology
 - #2 propylene oxide producer worldwide
- Several products benefit from natural gas vs. crude oil
 - Acetyls
 - Ethylene oxygenates
 - HP-Isobutylene
 - Oxyfuels

Product Position and Footprint Capacity⁽¹⁾ Products Facilities **Propylene Oxide** 7 Sites 5.2 Bn lbs 1 Site 1.2 Bn lbs Acetic Acid **Ethylene Glycol** 1 Site 0.7 Bn lbs Isobutylene 3 Site 1.4 Bn lbs Oxyfuels 4 Sites 75,000 bbls/day Styrene 4 Sites 6.4 Bn lbs



I&D – A robust and diversified portfolio

Sources: Third party consultant, LYB. (1) - Includes LYB wholly owned capacity and 100% of JV capacity as of December 31, 2012.



Refining

- Independent gulf coast refinery
 - Crude capacity of 268 MBPD
 - Nelson complexity index of 12.5
- Process heavy, high sulfur crude oil
 - Typically sold at discount
- Benchmark spread
 - Maya 2-1-1
 - Diesel production approximately equal to gasoline

Houston Refinery

Refinery Units	Number of Units	<u>Capacity</u>
Crude	2	268 MBPD

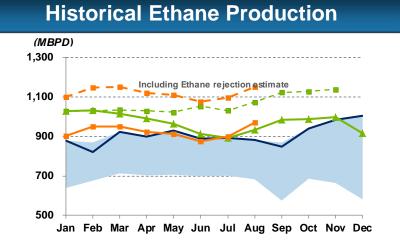


World class, high conversion, highly integrated refinery

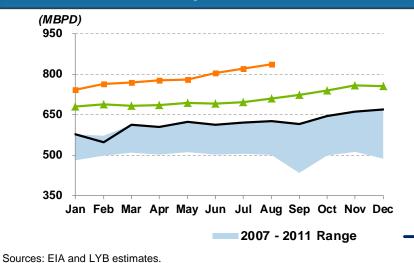


Production and Inventories Remain Near Record Levels

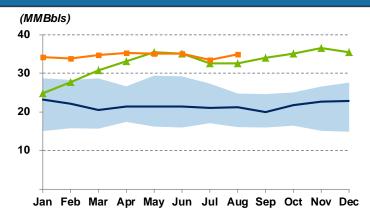
2011



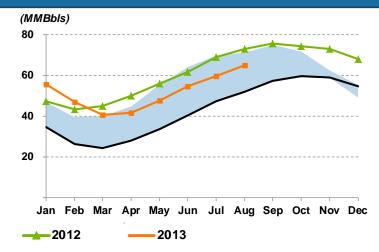
Historical Propane Production



Historical Ethane Inventory



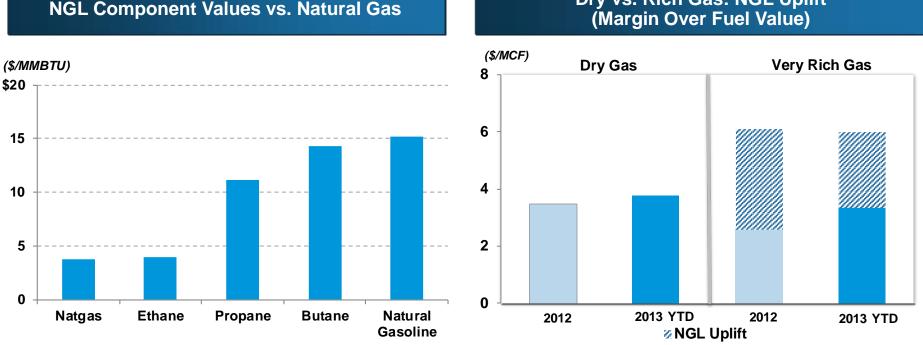
Historical Propane Inventory



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O&P – Americas: The Value of NGLs Driv **Production Even at Low Natural Gas Prices**



NGL Component Values vs. Natural Gas

Dry vs. Rich Gas: NGL Uplift

NGLs provide significant additional value to gas producers

Source: Third party consultants, LYB. Data as of mid-November 2013.

I&D: Globally Diversified End Uses

Propylene Oxide & Derivatives	Acetyls	Ethylene Oxide & Derivatives	Co-Products: Oxyfuels, Isobutylene and Styrene		
Home and auto cushioning Food packaging		Surfactants	Gasoline blending		
Insulation foams Textiles		Antifreeze	Lube & fuel additives		
Polyester composites Coatings		 Industrial coatings 	• Tires		
Coatings Safety glass		Polyester	Polyester composites		
Automotive parts			 Food packaging 		
Spandex					
Durables Non-Durables	Durables Non-Durables	Durables Non-Durables	Durables Non-Durables		
U.S. EU Asia	U.S. EU	U.S. Asia	U.S. EU Asia		

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Note: estimated based on LYB 2012 Intermediates and Derivatives third party sales by region, and third party industry estimates of products end uses.

Possible/Developing Growth Projects

Project	Cost (\$Million)	Start-up	Potential Pre-Tax Earnings (\$ Million/year)
PP Compounding Growth	~ \$40	2013 - 2016	\$70 - \$90
PO/TBA Joint Venture	MOU	2016	\$70 - \$90
Olefins NGL Recovery	~ \$200	2016	\$110 - \$130
Possible New PE line	~ \$200	Late 2016	\$50 - \$100
Total	~ \$440		~ \$300 - \$410

Additional strong projects under development

(1) Capital costs are based on preliminary 2013 company estimates and values are based on September 2013 LTM industry benchmark margins.

