

Cautionary Statement



The information in this presentation includes forward-looking statements. These statements relate to future events, such as anticipated revenues, earnings, business strategies, competitive position or other aspects of our operations or operating results. Actual outcomes and results may differ materially from what is expressed or forecast in such forward-looking statements. These statements are not guarantees of future performance and involve certain risks, uncertainties and assumptions that are difficult to predict. Factors that could cause actual results to differ from forward-looking statements include, but are not limited to, availability, cost and price volatility of raw materials and utilities; supply/demand balances; industry production capacities and operating rates; uncertainties associated with worldwide economies; legal, tax and environmental proceedings; cyclical nature of the chemical and refining industries; operating interruptions; current and potential governmental regulatory actions; terrorist acts; international political unrest; competitive products and pricing; technological developments; the ability to comply with the terms of our credit facilities and other financing arrangements; the ability to implement business strategies; and other factors affecting our business generally as set forth in the "Risk Factors" section of our Form 10-K for the year ended December 31, 2011, 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.

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.

Information Related to Financial Measures

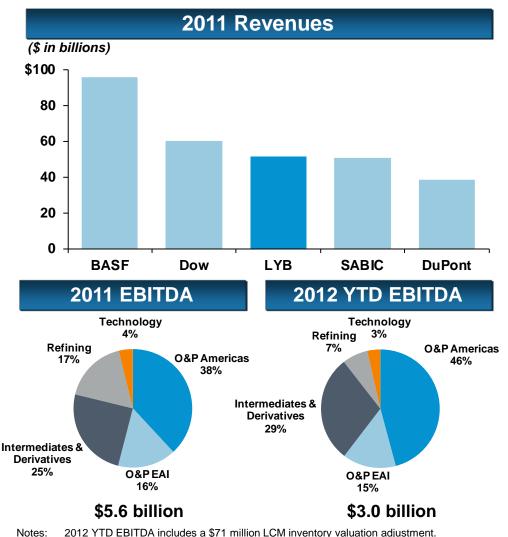


We have included EBITDA in this presentation, which is a non-GAAP measure, as we believe that EBITDA is a measure commonly used by investors. However, EBITDA, as presented herein, may not be comparable to a similarly titled measure reported by other companies due to differences in the way the measure is calculated. For purposes of this presentation, EBITDA means earnings before interest, taxes, depreciation and amortization, as adjusted for other items management does not believe are indicative of the Company's underlying results of operations such as impairment charges, reorganization items, the effect of mark-to-market accounting on our warrants. EBITDA also includes dividends from joint ventures. 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 Table 9 of our accompanying earnings release for reconciliations of EBITDA to net income.

While we also believe that net debt is a measure commonly used by investors, net debt, 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, net debt means short-term debt plus current maturities of long-term debt plus long-term debt minus cash and cash equivalents and minus restricted cash.

World-Class Scale With Leading Market Positions







2012 YTD EBITDA includes a \$71 million LCM inventory valuation adjustment.

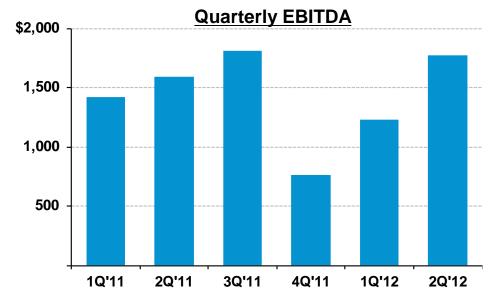
Source: Capital IQ and LYB.

Strong Financial Performance Continues

(\$ in millions, except per share data) ⁽¹⁾	2Q'12	1Q'12	2Q'11
EBITDA	\$1,774	\$1,228	\$1,593
Income from Continuing Operations	\$768	\$594	\$851
Diluted Earnings (\$ / share) from Continuing Operations	\$1.33	\$1.03	\$1.46
Net Debt / LTM EBITDA	0.4x	0.4x	NA

Quarterly EBITDA increase of 44% from 1Q'12

(\$ in millions)



⁽¹⁾ EBITDA, Income and EPS for the second quarter 2012 include a \$71 million Lower of Cost or Market inventory valuation adjustment charge. Discontinued operations had no impact on the second quarter 2012 earnings.

Key Drivers Of Business Segment Performance



Olefins & Polyolefins - Americas

U.S. natural gas / "Ethane Advantage"

Cyclical upside

Olefins & Polyolefins – EAI

Differentiated products and JV's

Restructuring

Cyclical upside

Intermediates & Derivatives

Proprietary technology

Global durable goods demand

U.S. natural gas pricing

Gasoline price vs. natural gas cost

Refining

Maya 2-1-1 spread

Cost improvements

Technology

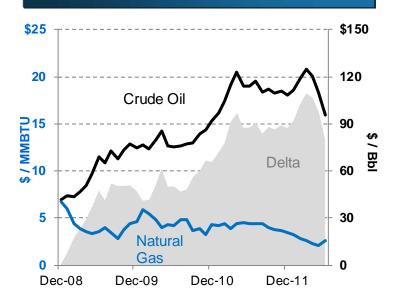
Strong catalyst sales

Excellent licensing position

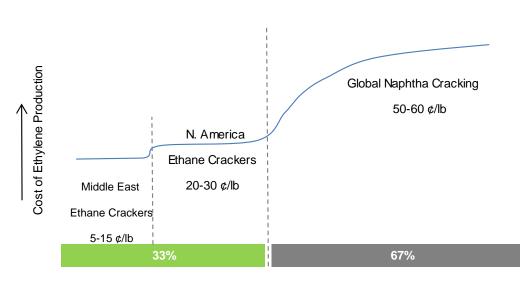
O&P Americas: Natural Gas vs. Crude is Currently the Dominant Factor







Global Capacity Cost Curve

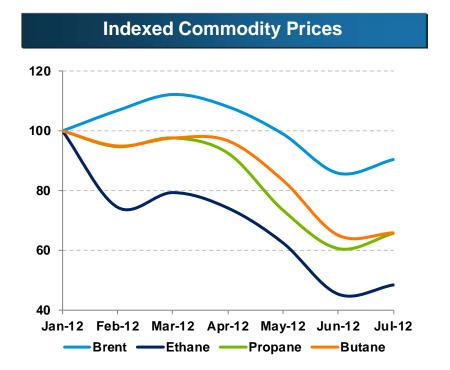


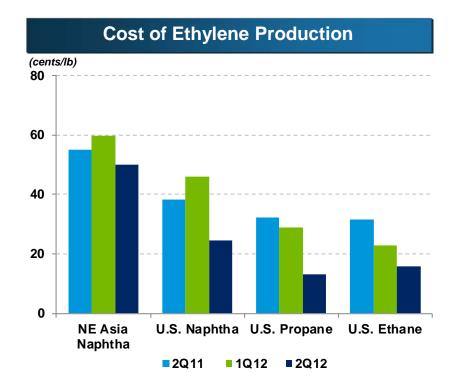
- Crude oil price increases have been as much a factor as have US natural gas price declines
- Raw material factors define regional competitiveness

Source: IHS Chemical as of July 2012.









The US ethylene production cost advantage has expanded as NGL price declines have outpaced the recent crude oil price decline

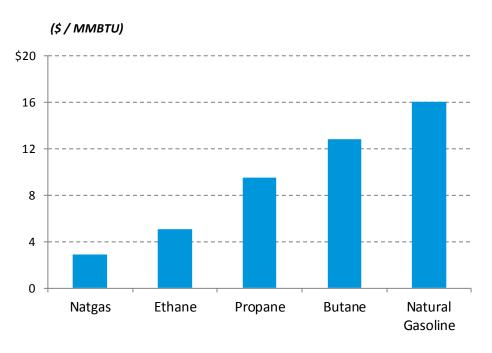
Source: IHS Chemical.

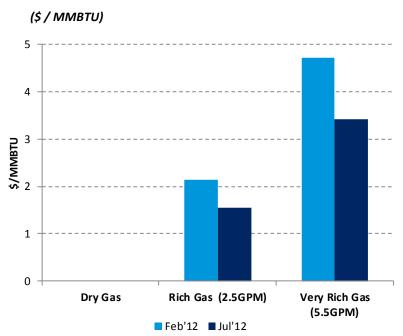
The Value of NGLs Drives Production Even at Low Natural Gas Prices



NGL Component Values vs. Natural Gas

Dry vs. Rich Gas: NGL Uplift (Margin Over Fuel Value)

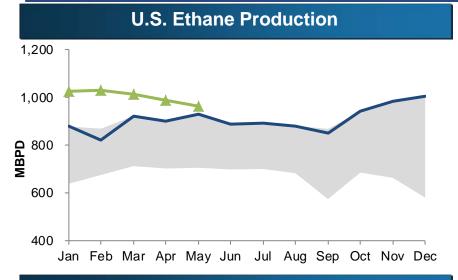


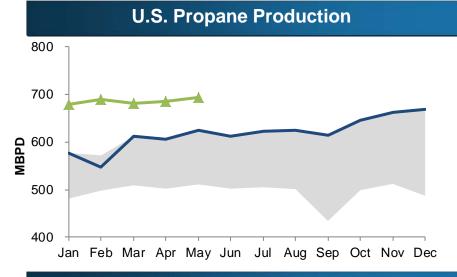


Potential for further improvements as experience develops and majors become more significant participants

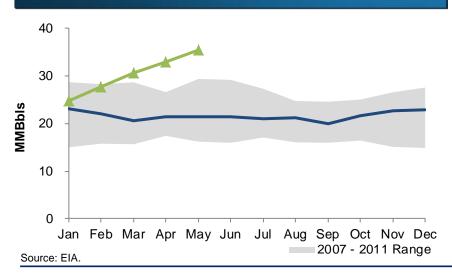
Source: IHS Chemical July 2012, LYB.

Ethane and Propane Production and Inventories at Historic Highs

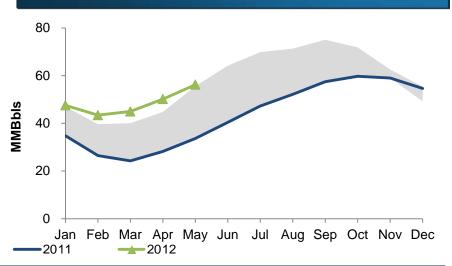












Growth and Efficiency Projects

	Scope	Investment (\$ million)	Timing (year)	Expected Value (\$ million / year)
Increase Ethane Capability	500 MM Lbs ethylene	~\$25	2012	\$100 -\$150
Expand La Porte Cracker	800+ MM Lbs ethylene	~\$350	2014	\$150 - \$250
Expand Flex Capacity	500 MM Lbs propylene	~\$125	2014	\$75 - \$125
Midwest Debottleneck	100 MM Lbs ethylene / polyethylene	~\$30	2013	\$20 - \$30

\$350 - \$550 million / $yr^{(1)}$ of additional EBITDA for ~\$500 million of investment

⁽¹⁾ Based on historic average IHS Chemical pricing.

La Porte Olefins Expansion Project

Size: 800+ million pound ethylene increase

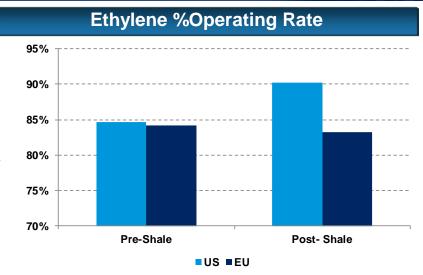
Timing: 2014

Cost: ~\$350 million

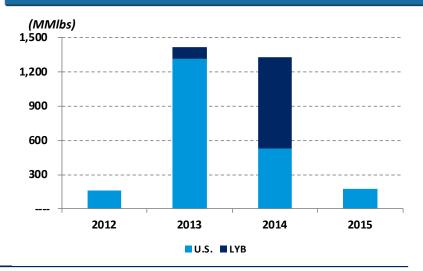
Expected EBITDA Contribution: ~ \$150 - \$250 million/yr



Source: LYB,IHS Chemical July 2012

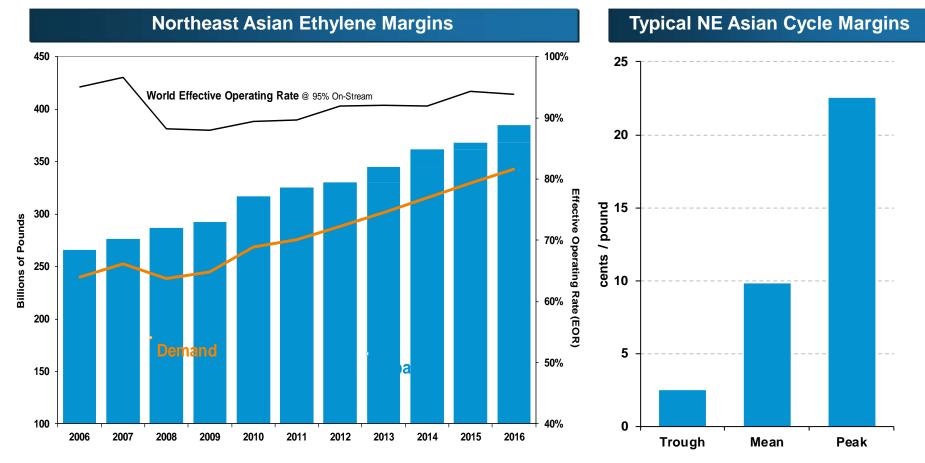


U.S. Ethylene Capacity Additions



At 2010 / 2011 Operating Rates Global Naphtha Margins Have Been Near Trough Levels





- Asian margins have been weak, Asian prices set the global price
- Significant cyclical upside

Source: IHS Chemical

O&P EAI: Earnings Drivers



EU Olefins

High cost on global basis

EU Polyethylene EU Polypropylene

- Large consuming market
- Cyclical profit

EU Butadiene

- Light cracking in US
- Europe, net exporter of C4's

Joint Ventures

- Feedstock advantage
- LYB technology deployment

PP Compounding

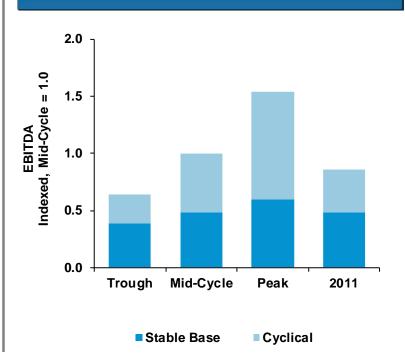
- Automotive demand
- Technical competency critical

Catalloy & PB-1

- Specialty polyolefins
- High value in use



O&P EAI EBITDA Scenarios



- Differentiated businesses provide stable profitability
- Commodities provide cyclical upside

EAI Restructuring – Increasing Earnings



Focus business management processes

 Increase efficiency by moving many functions to The Netherlands

Maximize value from existing assets

Segment markets and customers

Differentiate service between specialty and commodity segments

• Optimize cost-to-serve

Create one sales organization

Reduce channels to market

Optimize customer coverage

Simplify supply chain processes

Simplify processes

Re-balance customer service teams

Potential exists for ~\$200 million in cost savings and efficiencies

O&P EAI Butadiene Expansion Project

Size: 70KT Butadiene increase

Timing: 2013

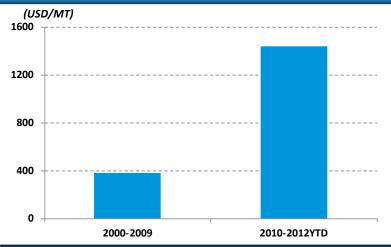
Cost: ~\$100 million

Expected EBITDA Contribution⁽¹⁾: ~\$50 - \$75 million/yr

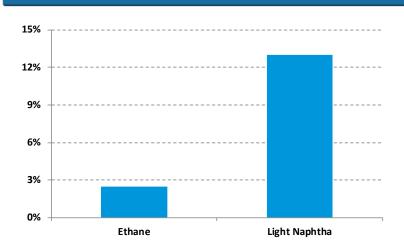


(1) Source: IHS. Data based on historic average IHS Chemical pricing.

NWE Butadiene – Naphtha Spread



Butadiene/Ethylene Production Yield

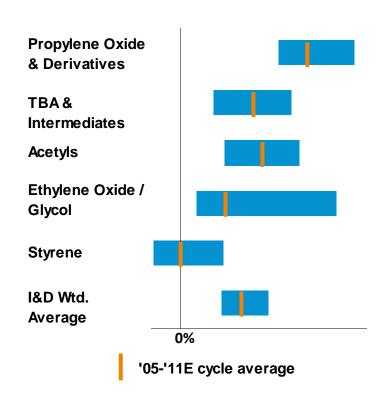


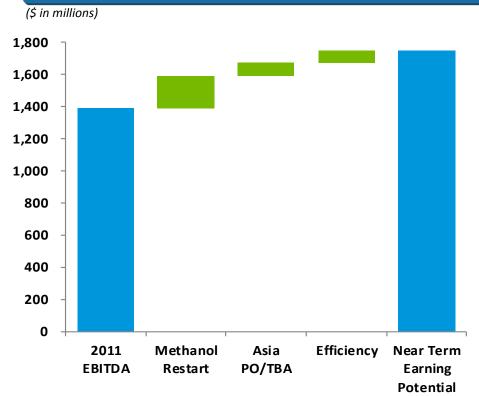
Intermediates and Derivatives: Highly Profitable Balanced Portfolio





High Return Growth and Earnings Potential





- Diverse product mix with average EBITDA profit margin of ~14%
- Propylene Oxide is a consistent segment leader in profitability
- Future benefit of \$270 \$330 million from growth / efficiency

Source: Based on company estimates of propylene and propylene oxide prices. Methanol pricing based on IHS Chemical spread between oil and gas.

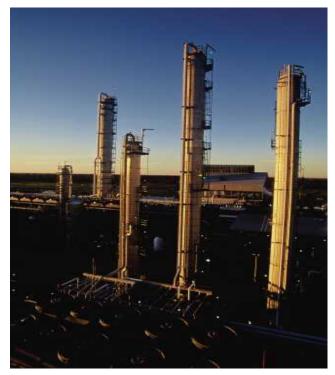
I&D Methanol Restart Project

Size: 780KT Channelview Re-start

Timing: 2013

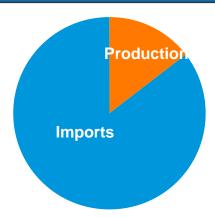
Cost: ~\$150 million

Expected EBITDA Contribution: ~ \$200 million/yr



(1) Source: IHS. Supply reflects 2011 actual data.

N. America Methanol Supply



85% of N. America supply (~ 6000KT) - Imports

Methanol Cost

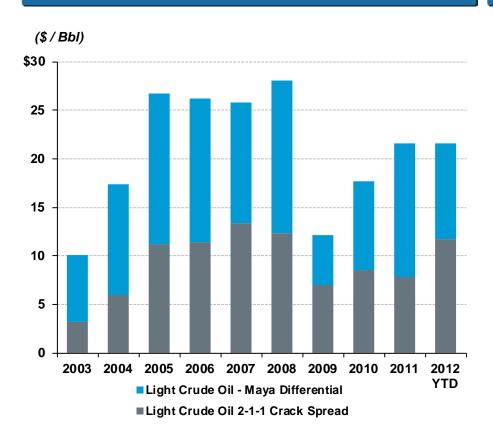


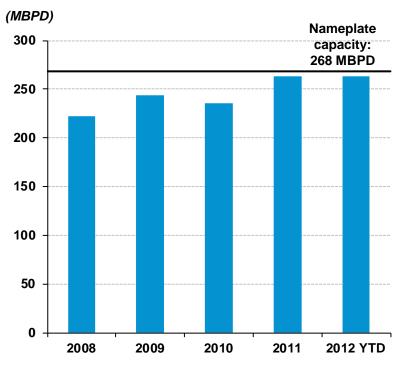
Houston Refinery Benefits from Excellent Configuration



Maya 2-1-1 Crack Spread

Houston Crude Oil Processing Rates





30 MBPD rate improvement worth ~ \$125 million annually⁽¹⁾

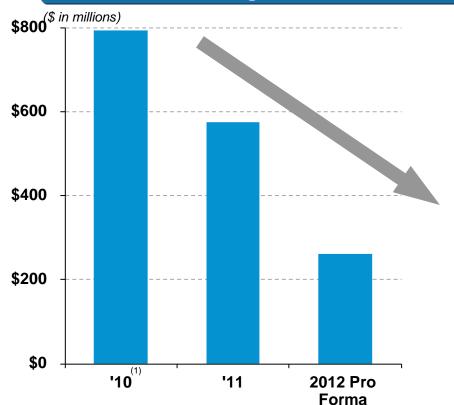
Sources: Platts - As of June 30, 2012.

Notes: Prior to 2011, WTI is the referenced light crude oil benchmark. Beginning in 2011, LLS is the referenced light crude oil benchmark.

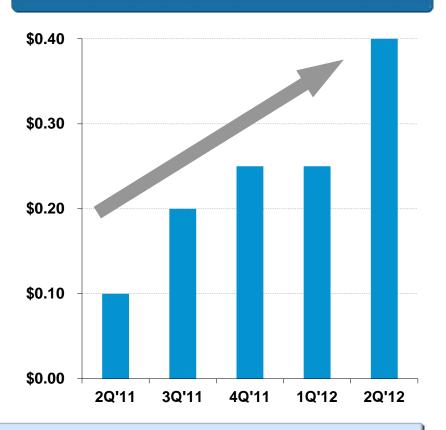
Based on average 2011 Maya 2-1-1 crack spread and company estimates on incremental gross margin.

Returning Cash to Shareholders Through Dividends

Net Interest Expense Excluding Refinancing Premiums



LYB Interim Dividend History



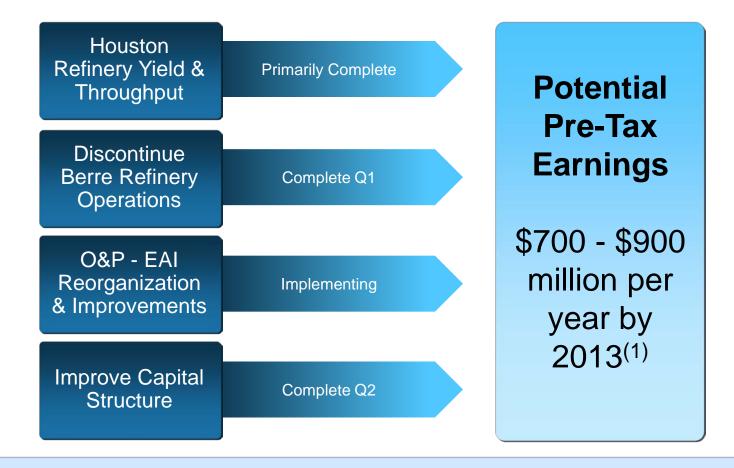
Regular dividend provides a strong yield

Source: LYB estimates.

2010 interest is for successor period (5/1 - 12/31/2010) on an annualized basis.

Operational and Financial Improvements





Minimal investment for high return

(1) Company estimate based on historic industry margins and costs.

Significant High-Return Growth Opportunities



Olefins Feedstock Flexibility

Olefins Debottlenecks

Co-Product Flexibility

Propylene Oxide JV

PP Compounding Growth

Methanol Restart

Other Quick-Return Projects

Projected Spending

\$1,300 - \$1,500 million Potential Pre-Tax Earnings

\$800 - \$1,000 million per year by 2016⁽¹⁾

Average payback period less than 2 years

(1) Company estimate based on historic industry margins and costs.

Industry Trends Provide Further Upside



Olefins Cycle

Ethane Supply / Demand

Refining Industry Rationalization & Feedstock Flexibility Potential Additional Pre-Tax Earnings Through the Cycle

~\$2 - \$3 billion / year

2011 – 2012YTD Reconciliation of EBITDA to Net Income



Table 9 - Reconciliation of EBITDA to Income from Contin	ing Operations

Millons of U.S. dollars VID V		2011						2012									
Colefins & Polyclefine - Americas \$494 \$577 \$672 \$407 \$2,140 \$598 \$776 \$1,374 Colefins & Polyclefine - Europe, Asia, International Int	(Millions of U.S. dollars)		Q1		Q2		Q3		Q4		Total		Q1		Q2		YTD
Colefins & Polyclefine - Americas \$494 \$577 \$672 \$407 \$2,140 \$598 \$776 \$1,374 Colefins & Polyclefine - Europe, Asia, International Int	Segment FRITDA:			-													
College & Polycleffers - Europe, Asia, Intermediates & Derivatives 321 419 417 235 1,392 418 418 455 673 674 675		\$	484	\$	577	\$	672	\$	407	\$	2.140	\$	598	\$	776	\$	1.374
Memoralatias & Derivatives		•		•		•		•		•	, -	•		•		•	,-
Refining	International		329		273		247		45		894		101		335		436
Technology	Intermediates & Derivatives		321		419		417		235		1,392		418		455		873
Other 5 (11) (2) (24) (32) 6 (2) 4 Total EBITDA: 1,420 1,593 1,806 766 5,585 1,228 1,774 3,000 Adjustments to EBITDA: Secretary Corporator cost or market inventory adjustment Secretary Corporator Cost or market Secretary Corporator restructurings Secretary Corporator restructuring restructuring restructuring restructuring reserved reserve	Refining		190		293		427		67		977		48		161		209
Total EBITDA	Technology		91		42		45		36		214		57		49		106
Total EBITDA 1,420 1,593 1,806 766 5,585 1,228 1,774 3,002	Other		5		(11)		(2)		(24)		(32)		6		(2)		4
Adjustments to EBITDA:	Total EBITDA		1,420		1,593		1,806		766		5,585		1,228	•	1,774		3,002
Sale of precious metals	Adjustments to EBITDA:		,		,		,				,		•		•		,
Sale of precious metals																	
Sale of precious metals															71		71
Corporate restructuriungs					(41)						(41)						
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Addis					1 629		1.820		769				1 228				
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Adjusted income from continuing operations \$ 720 \$ 904 \$ 927 \$ 328 \$ 2,879 \$ 616 \$ 959 \$ 1,575 Earnings (loss) per share: Diluted earnings per share – continuing operations \$ 1.19 \$ 1.46 \$ 1.54 \$ 0.05 \$ 4.32 \$ 1.03 \$ 1.33 \$ 2.36 Adjustments to continuing operations 0.07 0.09 0.03 0.52 0.69 0.04 0.32 0.36	Tax impact of net income (loss)																
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Diluted earnings per share – continuing operations \$ 1.19 \$ 1.46 \$ 1.54 \$ 0.05 \$ 4.32 \$ 1.03 \$ 1.33 \$ 2.36 Adjustments to continuing operations 0.07 0.09 0.03 0.52 0.69 0.04 0.32 0.36	Adjusted income from continuing operations	\$	720	\$	904	\$	927	\$	328	\$	2,879	\$	616	\$	959	\$	1,575
Diluted earnings per share – continuing operations \$ 1.19 \$ 1.46 \$ 1.54 \$ 0.05 \$ 4.32 \$ 1.03 \$ 1.33 \$ 2.36 Adjustments to continuing operations 0.07 0.09 0.03 0.52 0.69 0.04 0.32 0.36	Farnings (loss) per share:												-				
continuing operations \$ 1.19 \$ 1.46 \$ 1.54 \$ 0.05 \$ 4.32 \$ 1.03 \$ 1.33 \$ 2.36 Adjustments to continuing operations 0.07 0.09 0.03 0.52 0.69 0.04 0.32 0.36	• , ,,																
Adjustments to continuing operations 0.07 0.09 0.03 0.52 0.69 0.04 0.32 0.36	• .	•	4.40	Φ.	4.40	Φ.	4.54	Φ.	0.05	Φ.	4.00	Φ.	4.00	Φ.	4.00	Φ.	0.00
	3 .	Ф		Ф		Ф		Ф		Ф		Ф		Ф		Ф	
Adjusted diluted earnings per share \$ 1.26 \$ 1.55 \$ 1.57 \$ 0.57 \$ 5.01 \$ 1.07 \$ 1.65 \$ 2.72	,																
	Adjusted diluted earnings per share	\$	1.26	\$	1.55	\$	1.57		0.57	\$	5.01	\$	1.07	\$	1.65	\$	2.72

Back-up





Cautionary Statement



The information in this presentation includes forward-looking statements. These statements relate to future events, such as anticipated revenues, earnings, business strategies, competitive position or other aspects of our operations or operating results. Actual outcomes and results may differ materially from what is expressed or forecast in such forward-looking statements. These statements are not guarantees of future performance and involve certain risks, uncertainties and assumptions that are difficult to predict. Factors that could cause actual results to differ from forward-looking statements include, but are not limited to, availability, cost and price volatility of raw materials and utilities; supply/demand balances; industry production capacities and operating rates; uncertainties associated with worldwide economies; legal, tax and environmental proceedings; cyclical nature of the chemical and refining industries; operating interruptions; current and potential governmental regulatory actions; terrorist acts; international political unrest; competitive products and pricing; technological developments; the ability to comply with the terms of our credit facilities and other financing arrangements; the ability to implement business strategies; and other factors affecting our business generally as set forth in the "Risk Factors" section of our Form 10-K for the year ended December 31, 2011, 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.

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.

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 earnings before interest, taxes, depreciation and amortization, as adjusted for other items management does not believe are indicative of the Company's underlying results of operations such as impairment charges, reorganization items, the effect of mark-to-market accounting on our warrants. EBITDA also includes dividends from joint ventures. 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 Table 9 of our accompanying earnings release for reconciliations of EBITDA to net income.

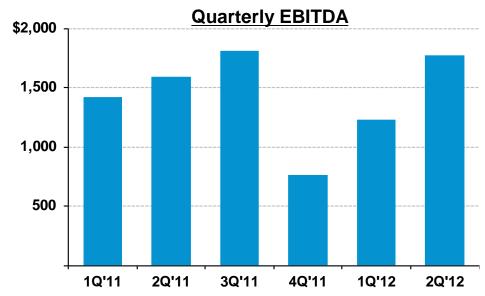
While we also believe that net debt is a measure commonly used by investors, net debt, as presented herein, may not be comparable to a similarly titled measure reported by other companies due to differences in the way the measure is calculated. For purposes of this presentation, net debt means short-term debt plus current maturities of long-term debt plus long-term debt minus cash and cash equivalents and minus restricted cash.

Highlights

(\$ in millions, except per share data) ⁽¹⁾	2Q'12	1Q'12	2Q'11
EBITDA	\$1,774	\$1,228	\$1,593
Income from Continuing Operations	\$768	\$594	\$851
Diluted Earnings (\$ / share) from Continuing Operations	\$1.33	\$1.03	\$1.46
Net Debt / LTM EBITDA	0.4x	0.4x	NA

Quarterly EBITDA increase of 44% from 1Q'12

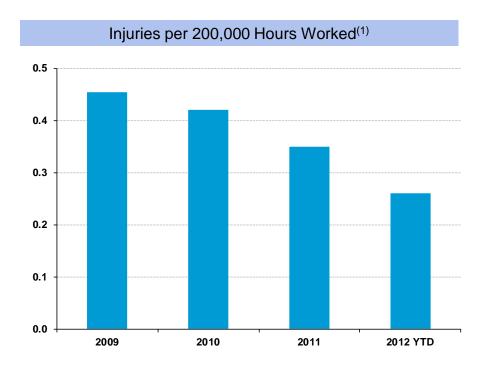
(\$ in millions)



⁽¹⁾ EBITDA, Income and EPS for the second quarter 2012 reflect a \$71million Lower of Cost or Market inventory valuation adjustment charge. Discontinued operations had no impact on the second quarter 2012 earnings.

LyondellBasell Safety Performance





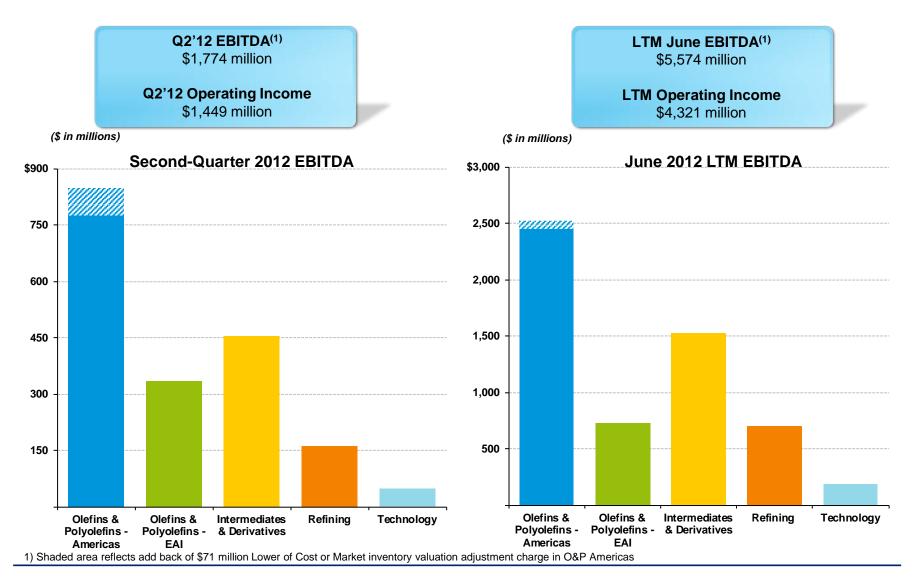
- Continued good safety results
- Significant first half 2012 contractor activity related to maintenance turnarounds



¹⁾ Includes employees and contractors. YTD as of June 2012.

Second-Quarter 2012 and Last-Twelve-Months (LTM) Segment EBITDA

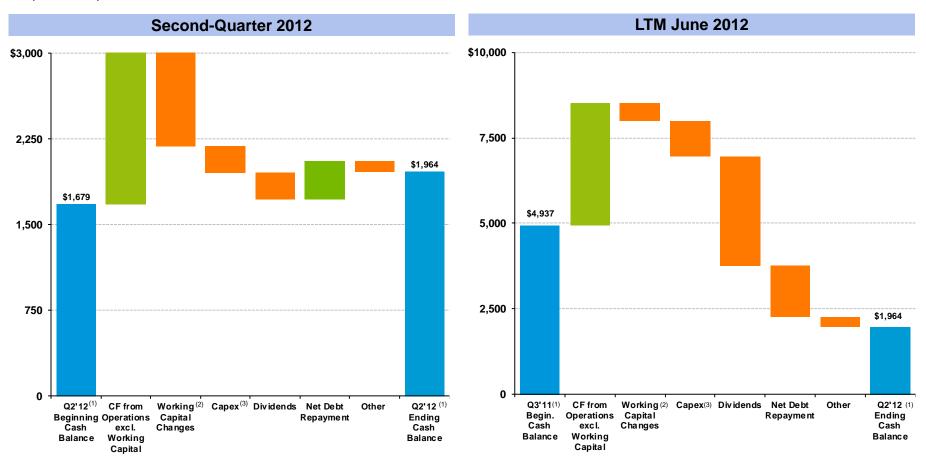




Cash Flow



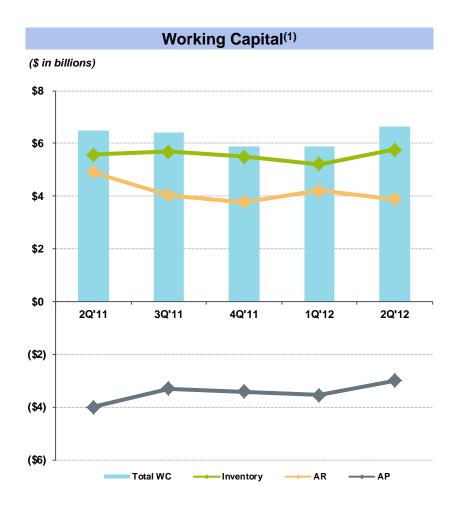
(\$ in millions)



- 1) Beginning and ending cash balance includes cash, cash equivalents and restricted cash.
- 2) Includes inventories, accounts payable and accounts receivable.
- 3) Includes capital and maintenance turnaround spending.

Working Capital and Key Financials Statistics





Key Statistics

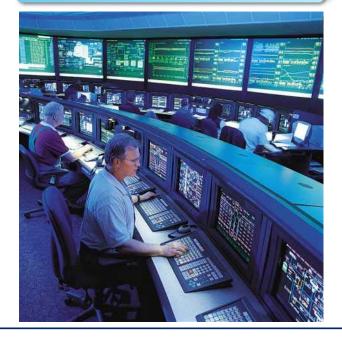
Snapshot at June 30, 2012

Liquidity: \$4.4 billion

Debt: \$4.4 billion

Cash: \$2.0 billion

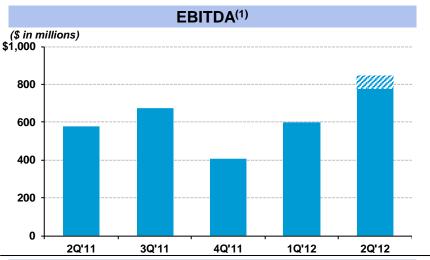
Net Debt/LTM EBITDA: 0.4x



¹⁾ Figures depicted represent end of quarter balances.

Olefins & Polyolefins - Americas Highlights and Business Drivers - 2Q'12







U.S. Olefins

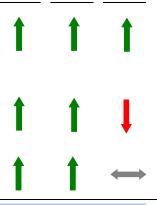
- Ethylene price down 6¢/lb
- Cost of Ethylene down 13¢/lb
- ~85% of ethylene from NGLs
- Hurricane Ike insurance settlement
- Channelview turnaround completed

Polyethylene

• Spread up 3¢/lb

Polypropylene (includes Catalloy)

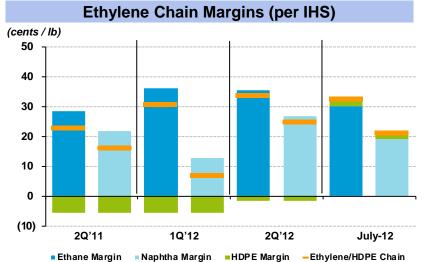
Modest margin improvement

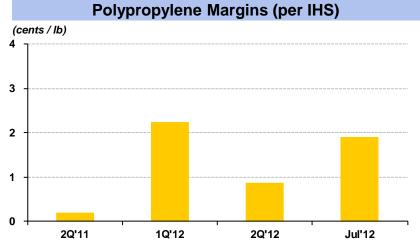


Margin

Volume

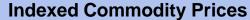
EBITDA

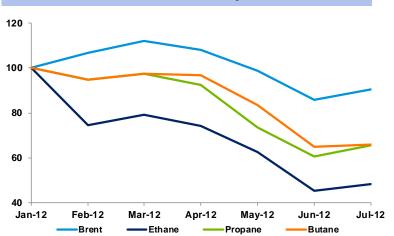




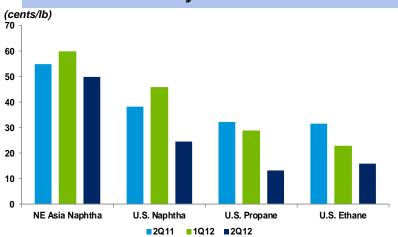
¹⁾ Shaded area refers to \$71million Lower of Cost or Market adjustment (LCM)

Olefins Benchmark Margins





Cost of Ethylene Production



U.S. Gulf Coast Ethylene Margin

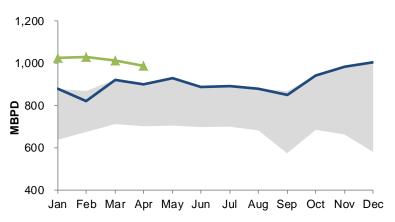


Source: IHS.

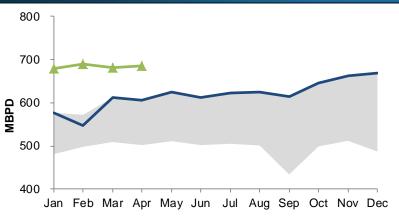
Ethane and Propane Production and Inventories at



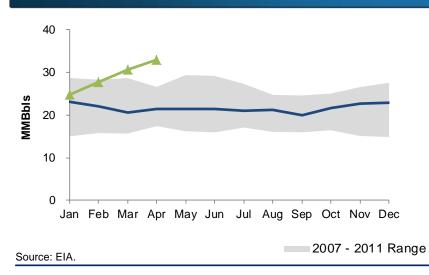




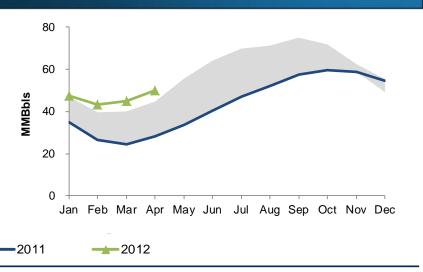
U.S. Propane Production



U.S. Ethane Inventory

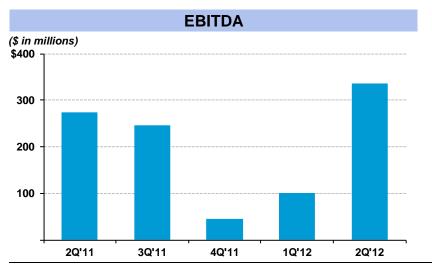


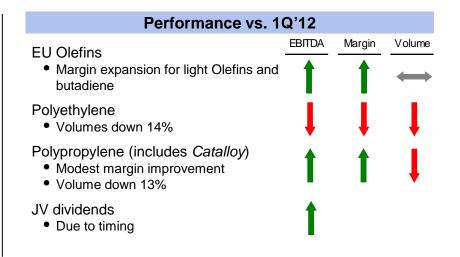
U.S. Propane Inventory

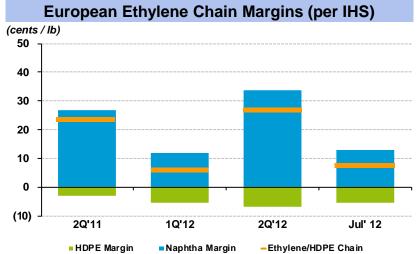


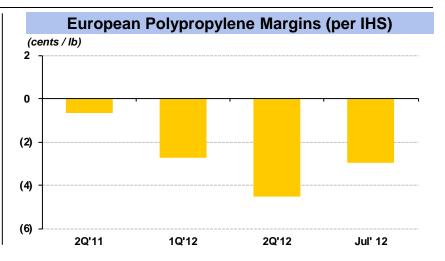
Olefins & Polyolefins - Europe, Asia, International Highlights and Business Drivers - 2Q'12





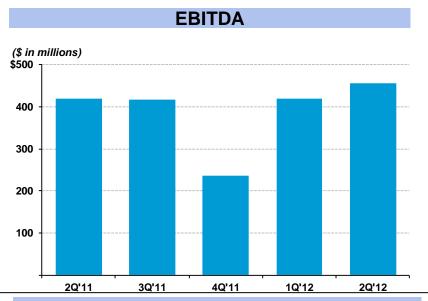






Intermediates & Derivatives Highlights and Business Drivers - 2Q'12





Performance vs. 1Q'12

Propylene Oxide and Derivatives

• Steady underlying businesses results

First China JV dividend



Intermediates

• Improved PO co-products margins

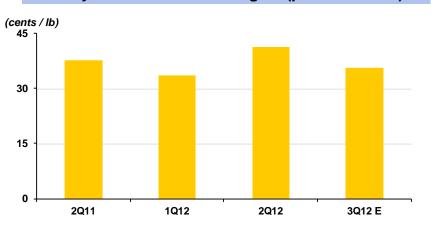


Oxyfuels

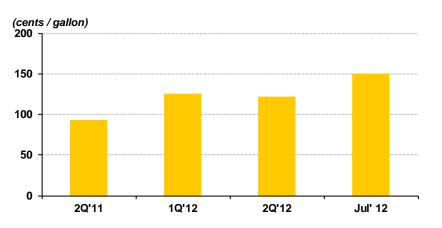
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Hurricane Ike Insurance Setllement

P-Glycol Raw Material Margins (per Chemdata)

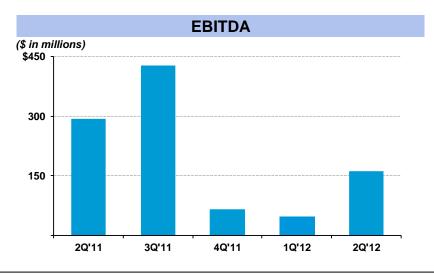


EU MTBE Raw Material Margins (per Platts)



Refining Highlights and Business Drivers - 2Q'12





Performance vs. 1Q'12

Houston Refinery

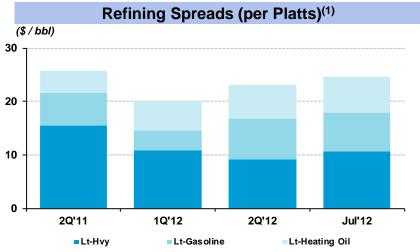
• Q2 crude throughput: 267 MBPD

• Maya 2-1-1: \$23.16/bbl

Hurricane Ike insurance settlement

EBITDA Margin Volume

Berre refinery discontinued operations





¹⁾ Light Louisiana Sweet (LLS) is the referenced light crude.

Second-Quarter Summary and Outlook



Second-Quarter Summary

- Strong Olefins results
 - Feedstock cost decline outpaced price declines
 - Continued U.S. NGL advantage
- Channelview turnaround complete
- Steady results in Intermediates and Derivatives, including Oxyfuels
- Closed debt refinancing
- Interim quarterly dividend increased to 40 cents per share

Near-Term Outlook

- O&P Americas chain margin remains advantaged
- European olefins/polyolefins weaken, consistent with EU economic uncertainties, while differentiated businesses continue to perform
- Intermediates & Derivatives remain steady
- Projects are progressing as scheduled