



S E I Z E T H E M O M E N T
— SECURING THE FUTURE —

January 31, 2014

Fourth-Quarter 2013 Earnings

Jim Gallogly, Chief Executive Officer

Karyn Ovelmen, Chief Financial Officer

Sergey Vasnetsov, SVP - Strategic Planning and Transactions

Doug Pike, VP - Investor Relations

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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 cyclicity 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

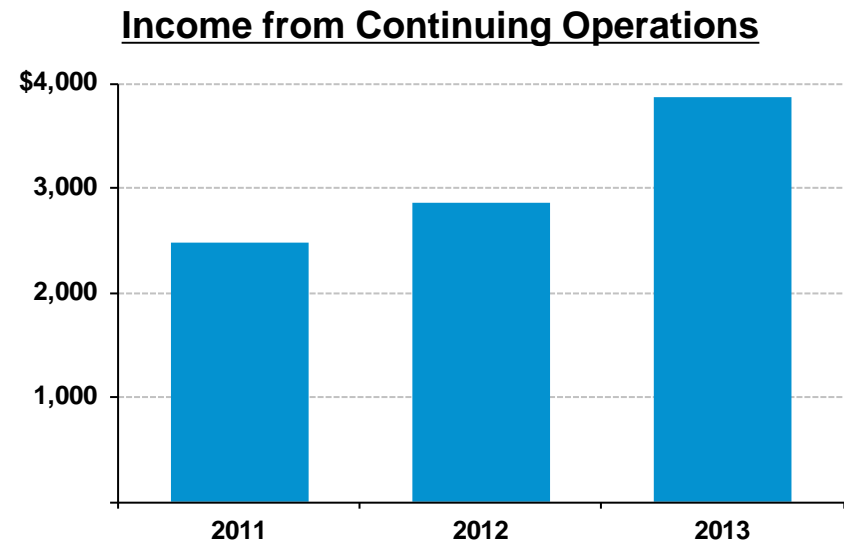
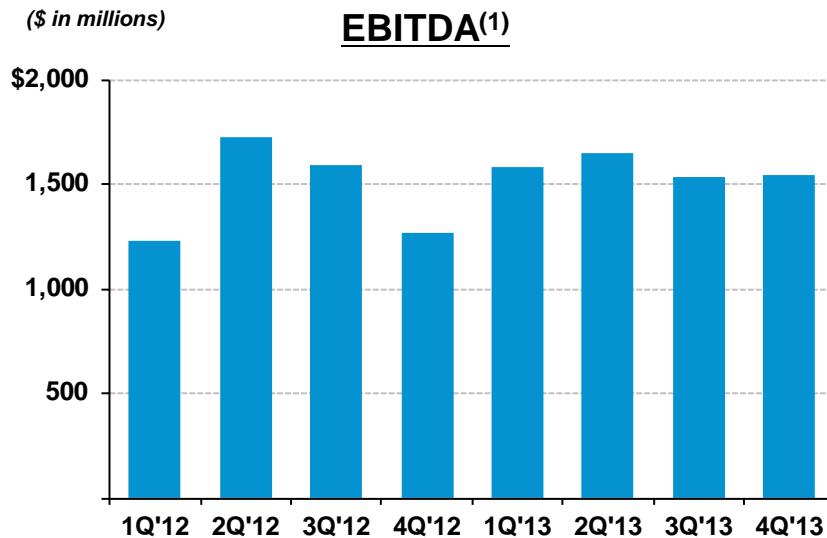
We have included EBITDA in this presentation, which is a non-GAAP measure, as we believe that EBITDA is a measure commonly used by investors. However, EBITDA, as presented herein, may not be comparable to a similarly titled measure reported by other companies due to differences in the way the measure is calculated. We calculate EBITDA as income from continuing operations plus interest expense (net), provision for (benefit from) income taxes, and depreciation & amortization. EBITDA should not be considered an alternative to profit or operating profit for any period as an indicator of our performance, or as an alternative to operating cash flows as a measure of our liquidity. See Table 9 of our accompanying earnings release 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.

Highlights

(\$ in millions, except per share data)	FY 2013	FY 2012	FY 2011
EBITDA ⁽¹⁾	\$6,311	\$5,808	\$5,469
Income from Continuing Operations	\$3,860	\$2,858	\$2,472
Diluted Earnings (\$ / share) from Continuing Operations	\$6.76	\$4.96	\$4.32

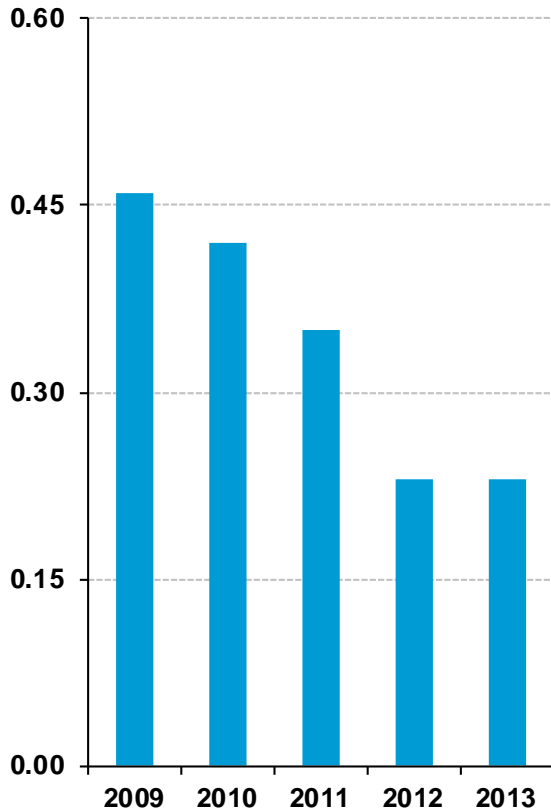
FY 2013 EPS Growth ~ 36% vs. 2012 and 56% vs. 2011



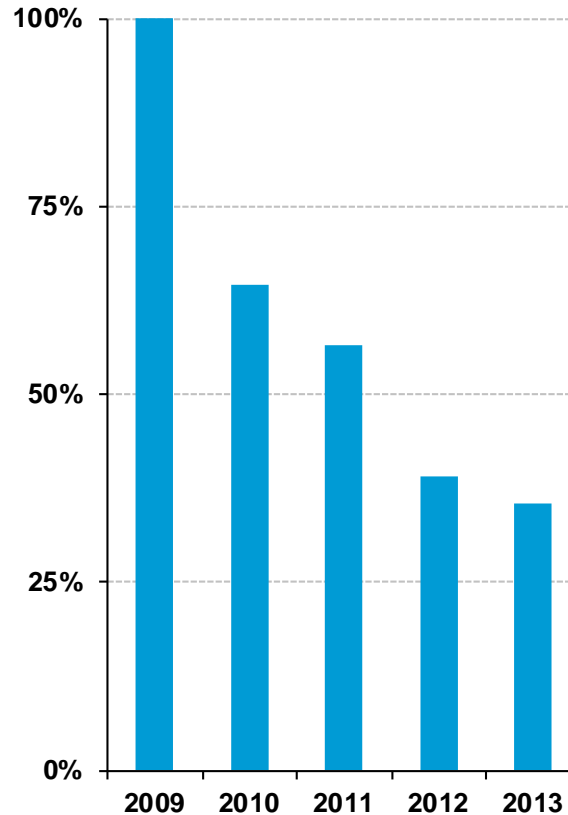
(1) EBITDA includes a pre-tax lower of cost or market inventory valuation adjustment of \$71 million in the third quarter 2012 which reversed a charge in the second quarter of 2012, due to a recovery in market prices.

Health, Safety and Environmental Performance

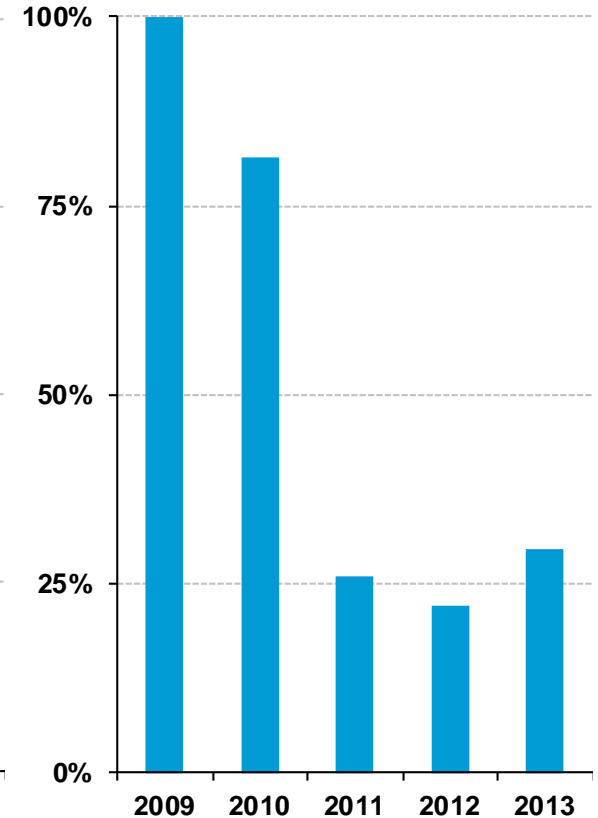
Safety - Injuries per 200,000 Hours Worked⁽¹⁾



Indexed Environmental Incidents



Indexed Process Incidents



1) Includes employees and contractors.

2013 Accomplishments

Overall

- Record earnings
- 45% total stock return vs. 32% for S&P 500⁽¹⁾
- Maintained top decile HSE performance
- Normalized fixed costs managed flat since 2009
- Growth projects on schedule

Finance

- Generated \$4.8 billion cash from operations
- Repurchased 27.4 million shares for \$1.95 billion and paid \$1.1 billion in dividends
- Increased quarterly interim dividend by 50% to \$0.60 per share
- Issued long-term bonds in an aggregate principal amount of \$1.5 billion with an average interest rate of 4.6 percent
- Received \$203 million equity income from JVs

Operations

- Increased NGL cracking to account for ~ 90% of North American ethylene production
- Our U.S. ethylene operating rate near 100% and above U.S. industry average
- Increased feedstock flexibility at our European olefin crackers
- Butadiene expansion and Methanol restart complete and online
- Construction underway on two of our ethylene expansion projects
- Canadian crude sourcing – 10% to 15% of processed crude

(\$ in millions)

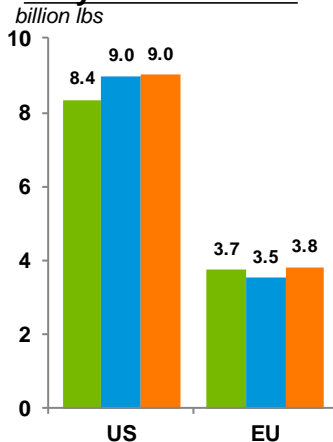
Segment EBITDA	2011 EBITDA	2012 EBITDA	2013 EBITDA	2012 - 2013 Change	2012 - 2013 Change, %
Olefins & Polyolefins - Americas	\$2,137	\$2,968	\$3,573	\$605	20%
Olefins & Polyolefins - EAI	865	548	839	291	53%
Intermediates & Derivatives	1,410	1,621	1,492	(129)	-8%
Refining	977	481	182	(299)	-62%
Technology	191	197	232	35	18%
Total	\$5,469	\$5,808	\$6,311	\$503	9%

Record financial results, continued advancement made across the company

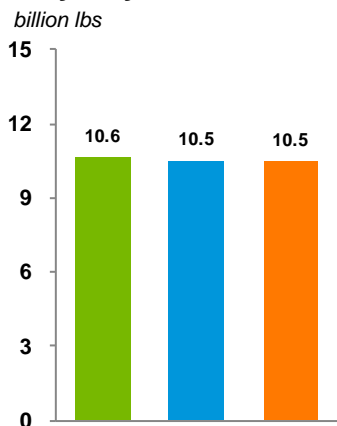
1) Total stock return based on CapIQ dividend adjusted beginning and closing prices for 2012 and 2013.

Key Volumes and Margins: 2011 - 2013

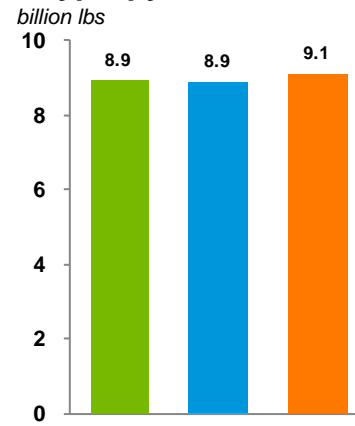
Ethylene Volumes



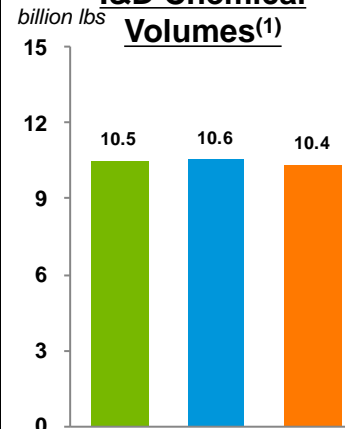
Polyethylene Volumes



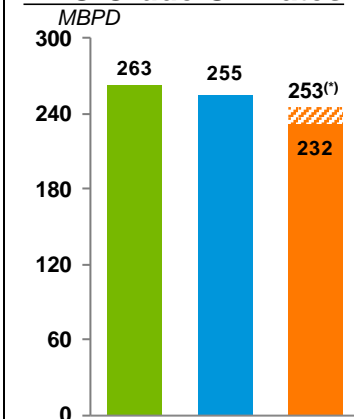
Polypropylene Volumes



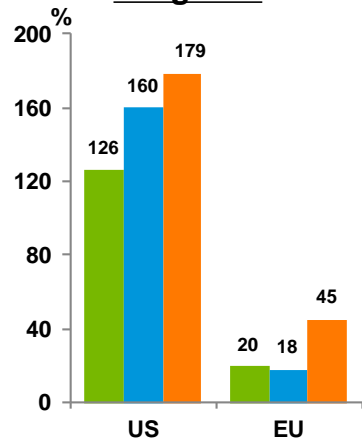
I&D Chemical Volumes(1)



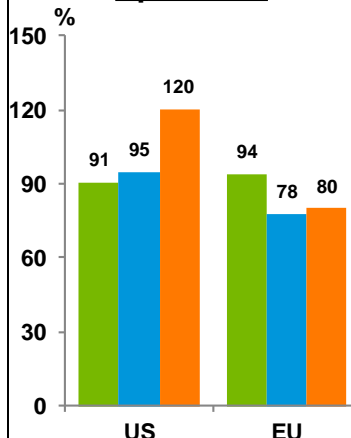
HRO Crude Oil Rates



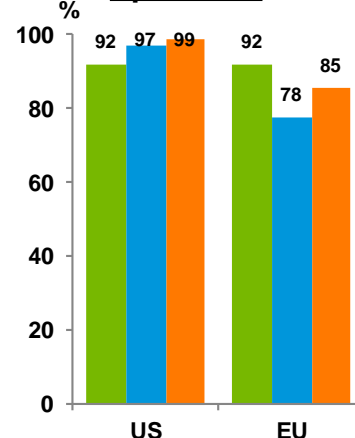
Indexed Ethylene Cash Margins(2)



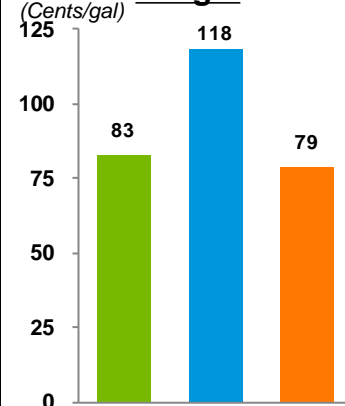
Indexed Polyethylene Spreads(3)



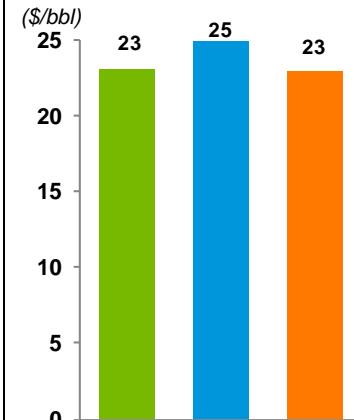
Indexed Polypropylene Spreads(3)



MTBE Raw Material Margin



Maya 2-1-1 Spreads



1) I&D volumes exclude oxyfuels

2) EU ethylene cash margins normalized to 2010 US margins. 2010 indexed margin is equal to 100%

3) Polyethylene and Polypropylene spreads indexed to 2010; 2010 indexed margins are equal to 100%

* 2013 average crude processing rate excluding the impact from Q1'13 turnaround

2011 2012 2013

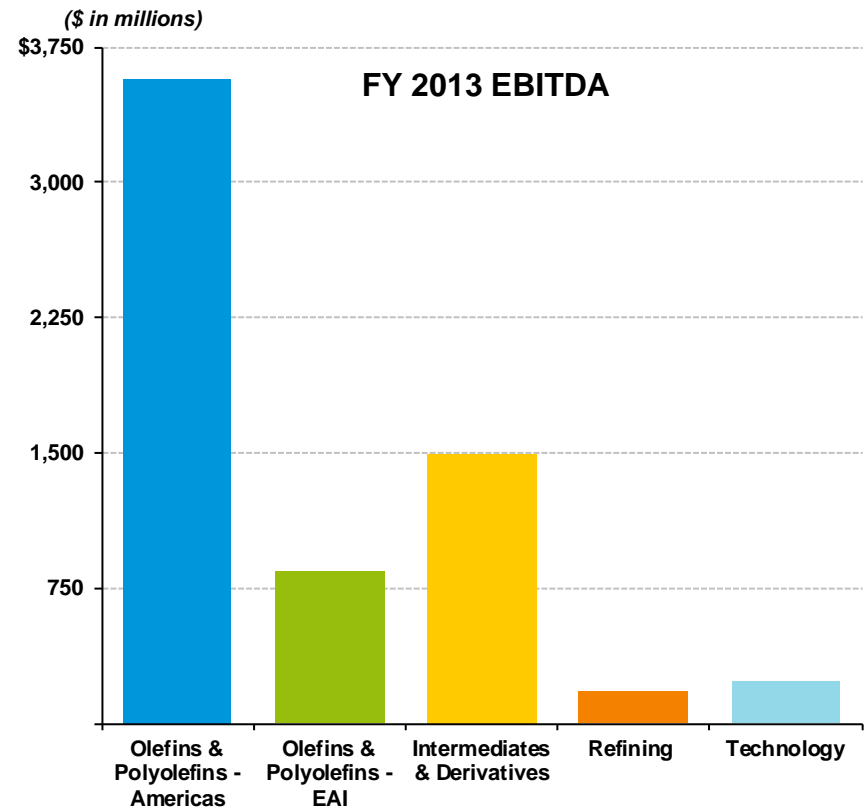
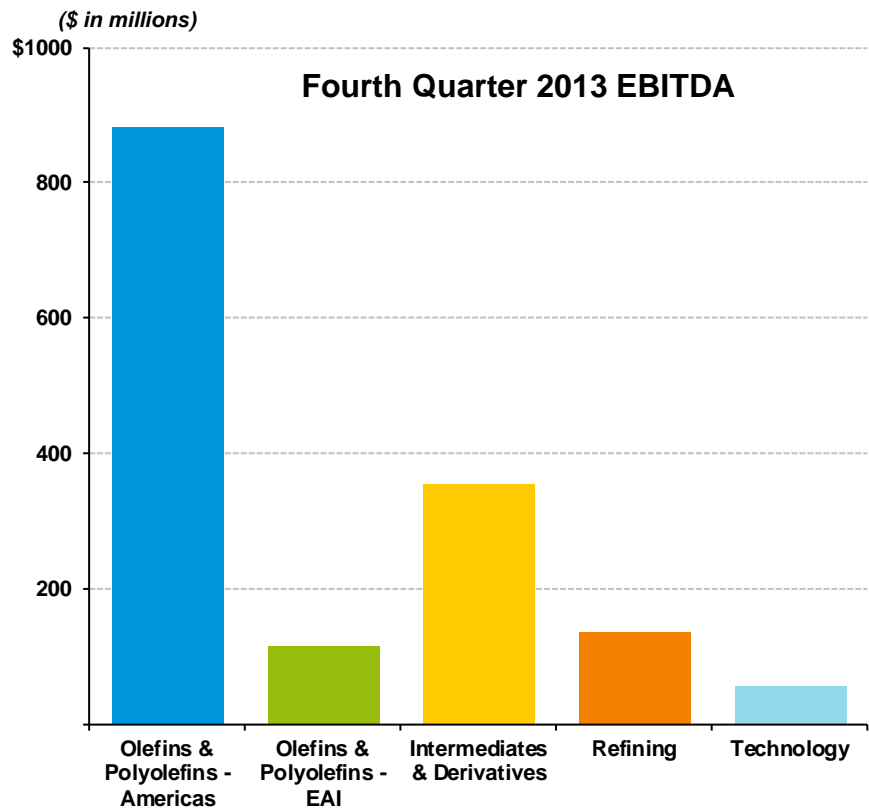
Fourth Quarter 2013 and FY 2013 Segment EBITDA

Q4'13 EBITDA
\$1,543 million

Q4'13 Operating Income
\$1,264 million

FY 2013 EBITDA
\$6,311 million

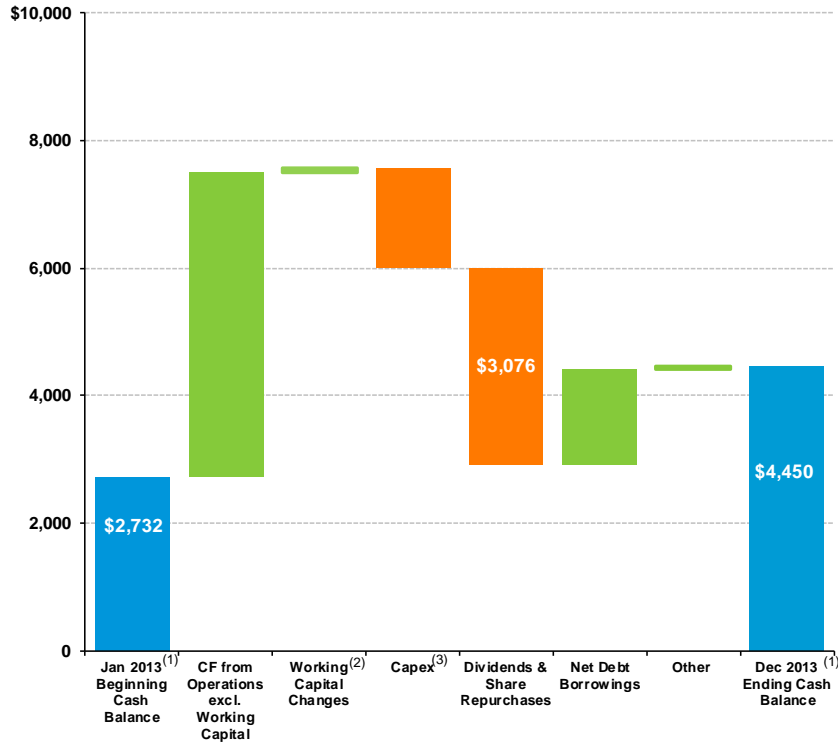
FY 2013 Operating Income
\$5,102 million



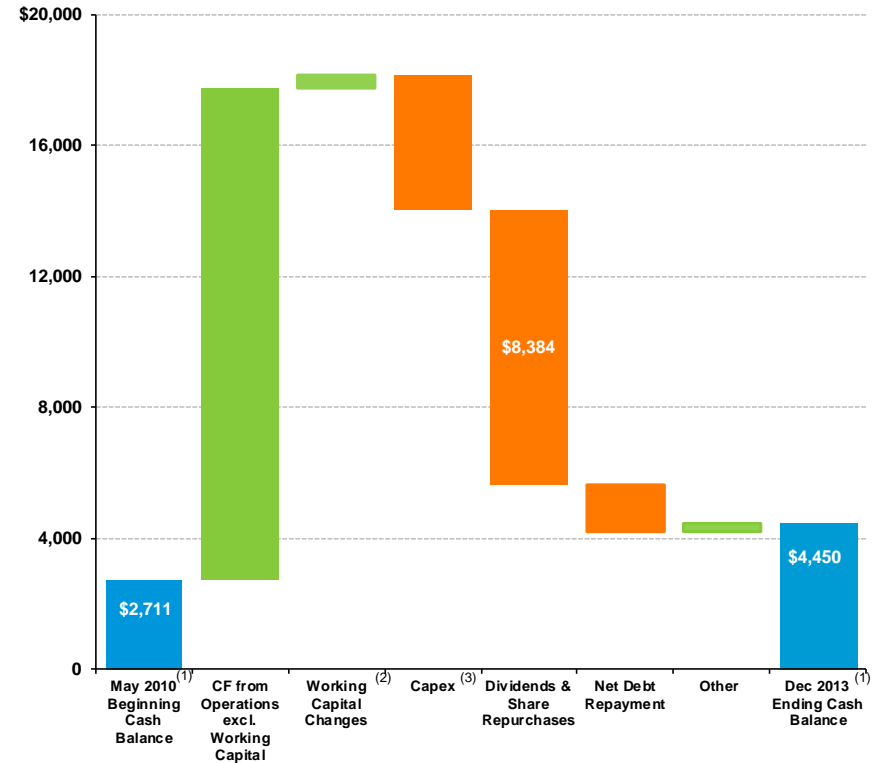
Cash Flow

(\$ in millions)

FY 2013



May 2010 – December 2013



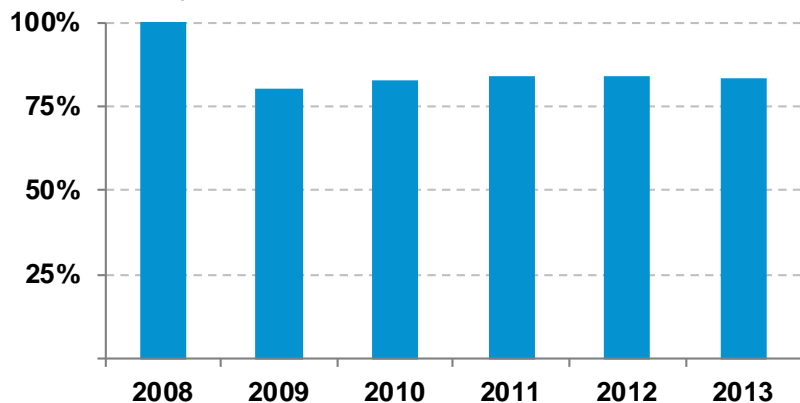
~ \$8.4 billion in dividends and share repurchases since inception

1) Beginning and ending cash balances include cash and cash equivalents; 2) Includes accounts receivable, inventories, and accounts payable; 3) Includes capital and maintenance turnaround spending.

Key Financial Statistics

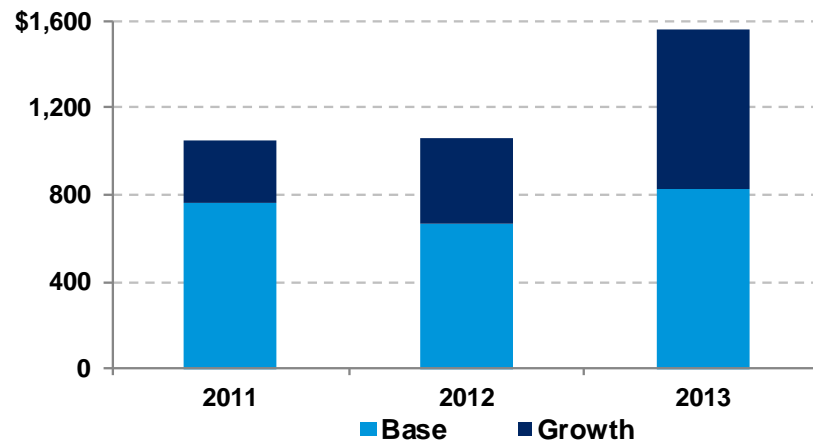
Indexed Cash Fixed Cost⁽¹⁾

(Indexed to 2008)



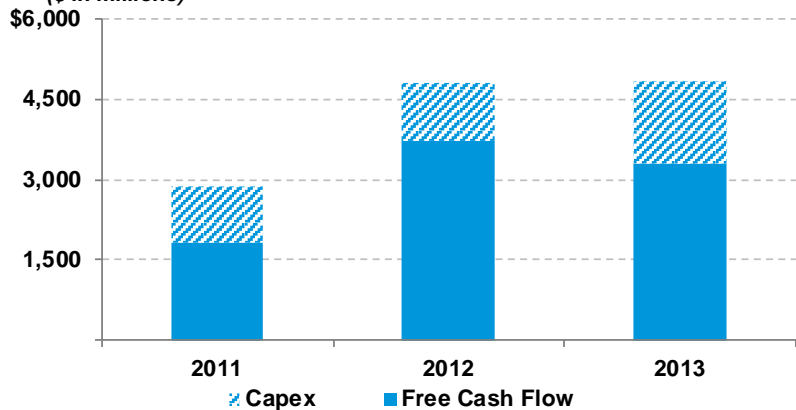
Capital Expenditures

(\$ in millions)



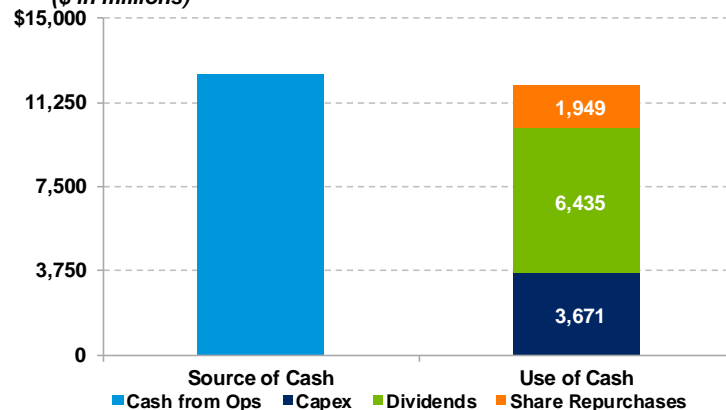
Free Cash Flow⁽²⁾

(\$ in millions)



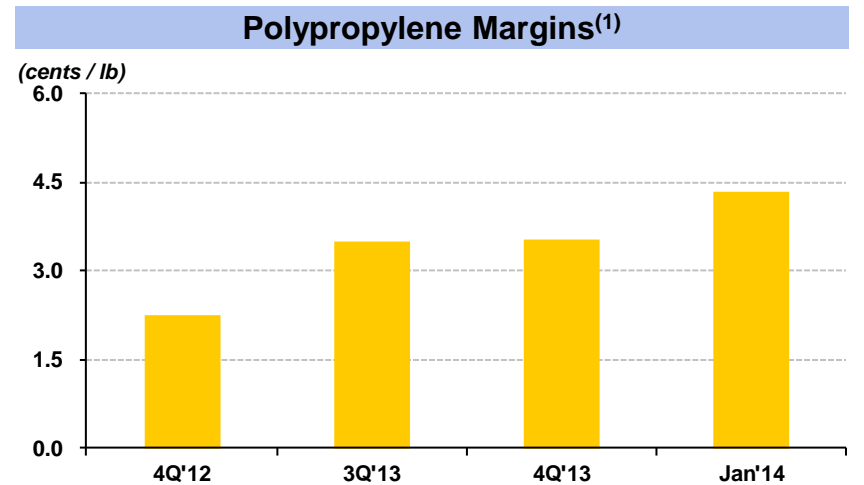
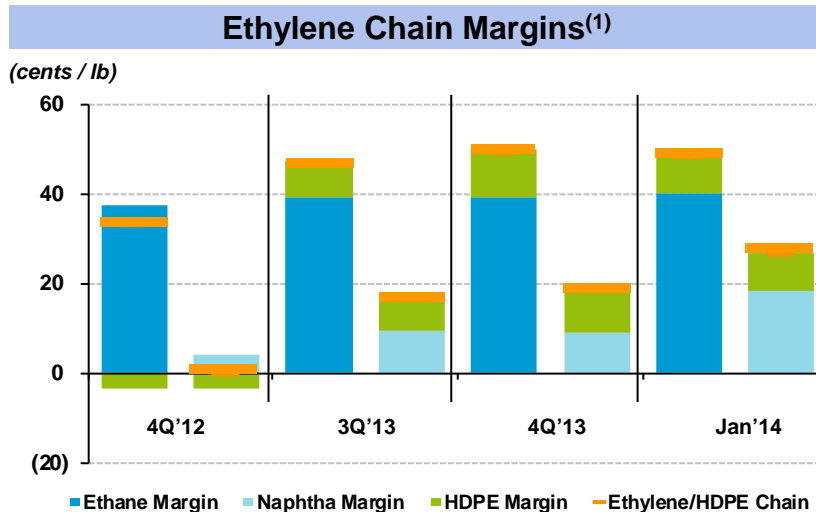
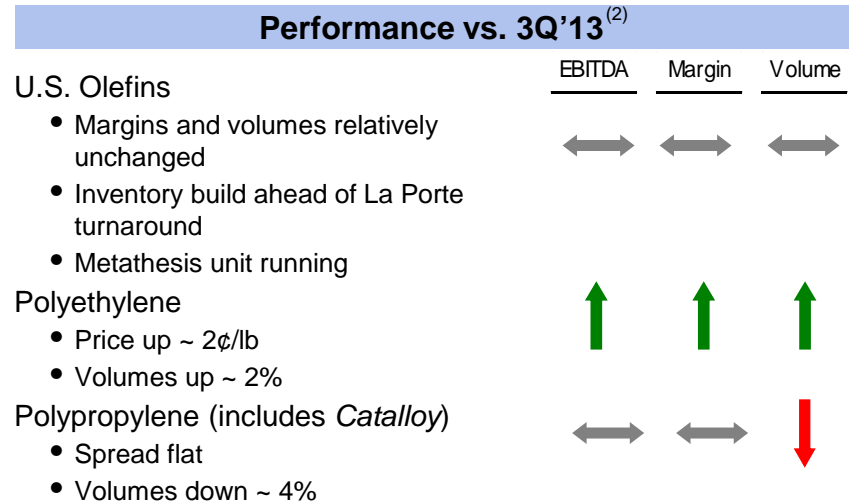
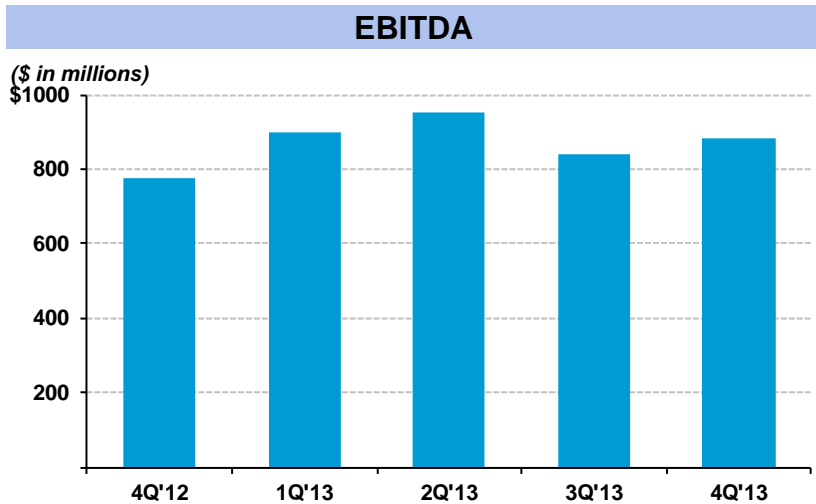
2011 – 2013 Cash Deployment

(\$ in millions)



1) Cash fixed costs include costs related to compensation, travel, insurance, third party services, maintenance, marketing, selling, and administration; 2) Free Cash Flow = net cash provided by operating activities – capex

Olefins & Polyolefins - Americas Highlights and Business Drivers - 4Q'13

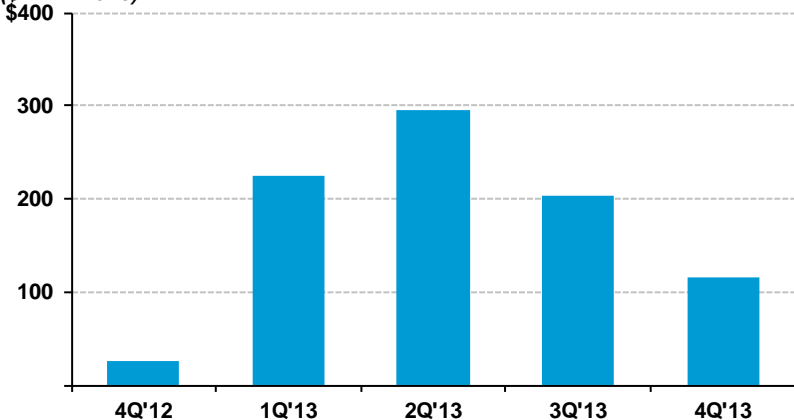


1) Source: quarterly average industry data from third party consultants; 2) The direction of the arrows reflects our underlying business metrics.

Olefins & Polyolefins - Europe, Asia, International Highlights and Business Drivers - 4Q'13

EBITDA

(\$ in millions)

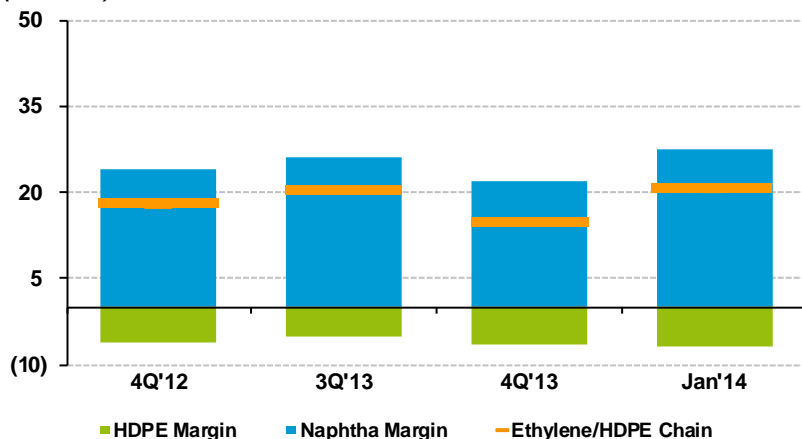


Performance vs. 3Q'13⁽²⁾

	EBITDA	Margin	Volume
EU Olefins			
• Margin compression – higher naphtha and LPG prices	↓	↓	↓
• Operating rate ~ 85%			
Polyethylene			
• Spread down ~ 1¢/lb	↓	↓	↓
• Volumes down ~ 4%			
Polypropylene (includes <i>Catalloy</i>)			
• Spread flat	↓	↔	↓
• Volumes down ~ 5%			
JV equity income	↓		

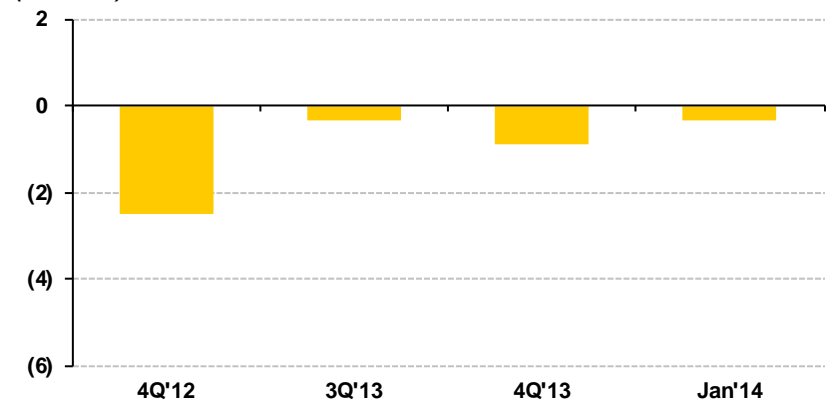
European Ethylene Chain Margins⁽¹⁾

(cents / lb)



European Polypropylene Margins⁽¹⁾

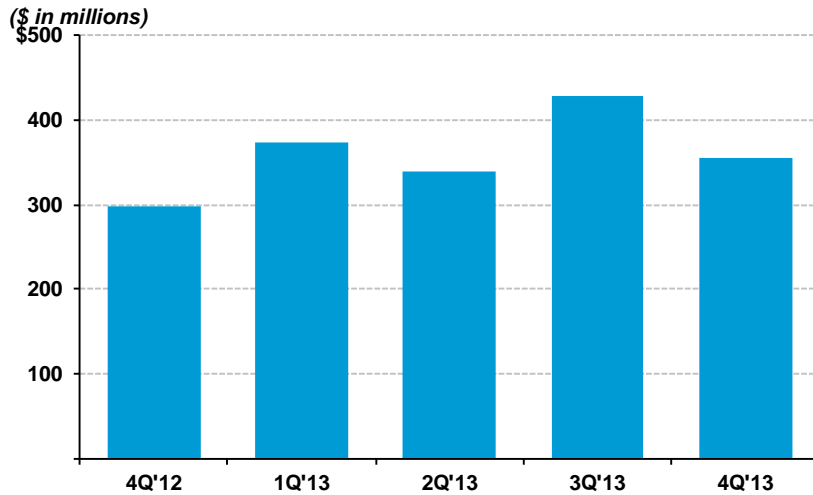
(cents / lb)



1) Source: quarterly average data from third party consultants; 2) The direction of the arrows reflects our underlying business metrics.

Intermediates & Derivatives Highlights and Business Drivers - 4Q'13

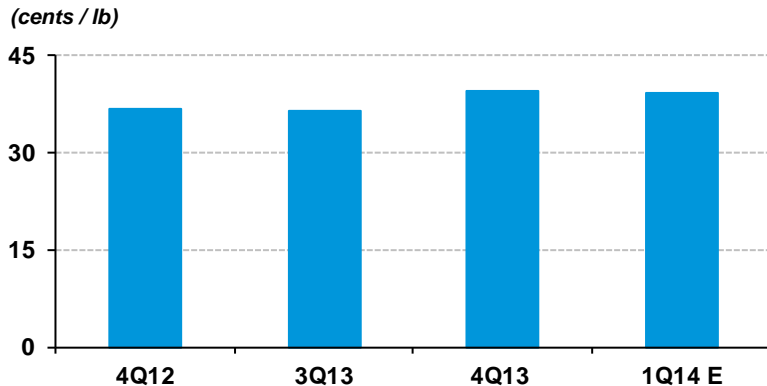
EBITDA



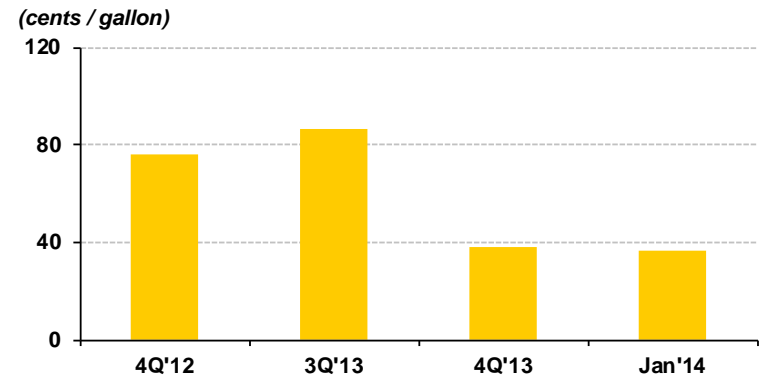
Performance vs. 3Q'13⁽²⁾

	EBITDA	Margin	Volume
Propylene Oxide and Derivatives	↑	↔	↑
• Higher deicer sales			
Intermediates	↔	↓	↑
• Lower styrene margins			
• Methanol restart			
Oxyfuels	↓	↓	↓
• Seasonal volume and margin decline			

P-Glycol Raw Material Margins (per Chemdata)⁽¹⁾



EU MTBE Raw Material Margins (per Platts)⁽¹⁾

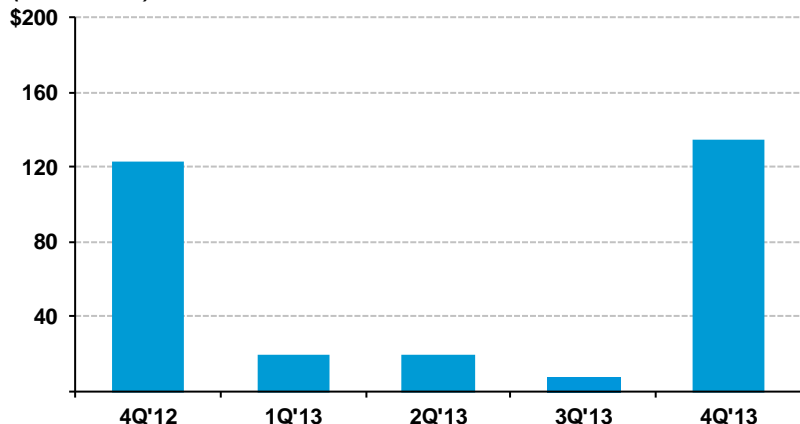


1) Data represents quarterly average; 2) The direction of the arrows reflects our underlying business metrics.

Refining Highlights and Business Drivers - 4Q'13

EBITDA

(\$ in millions)



Performance vs. 3Q'13⁽²⁾

Houston Refinery

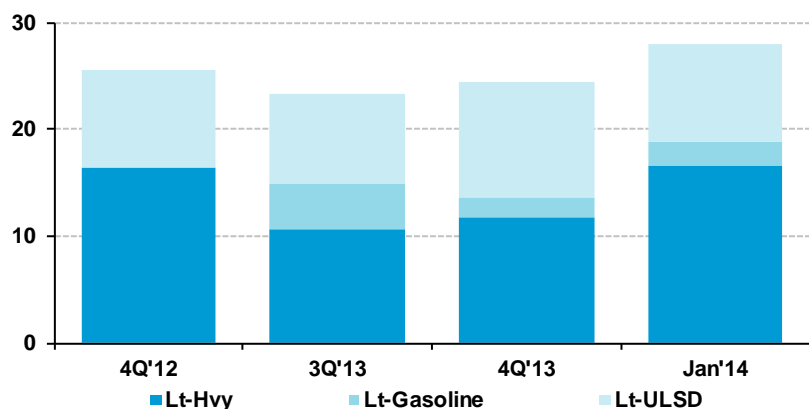
- Crude throughput: 239 MBPD
- Maya 2-1-1: \$24.32 bbl
- RINs cost down \$24 million

EBITDA	Margin	Volume
↑	↑	↓



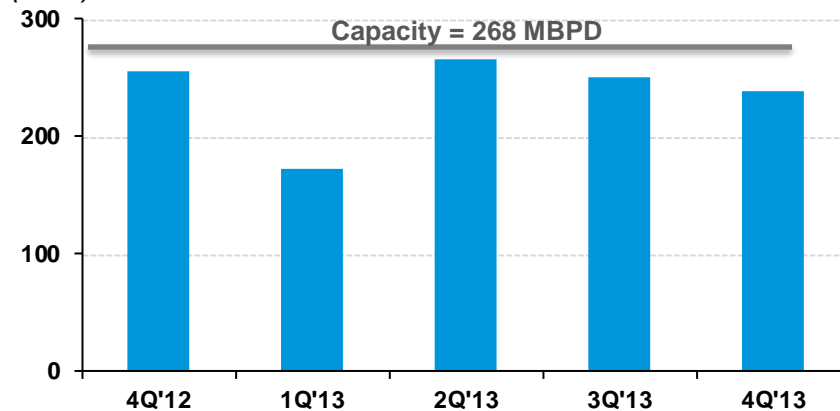
Refining Spreads (per Platts)⁽¹⁾

(\$ / bbl)



Refining Throughput

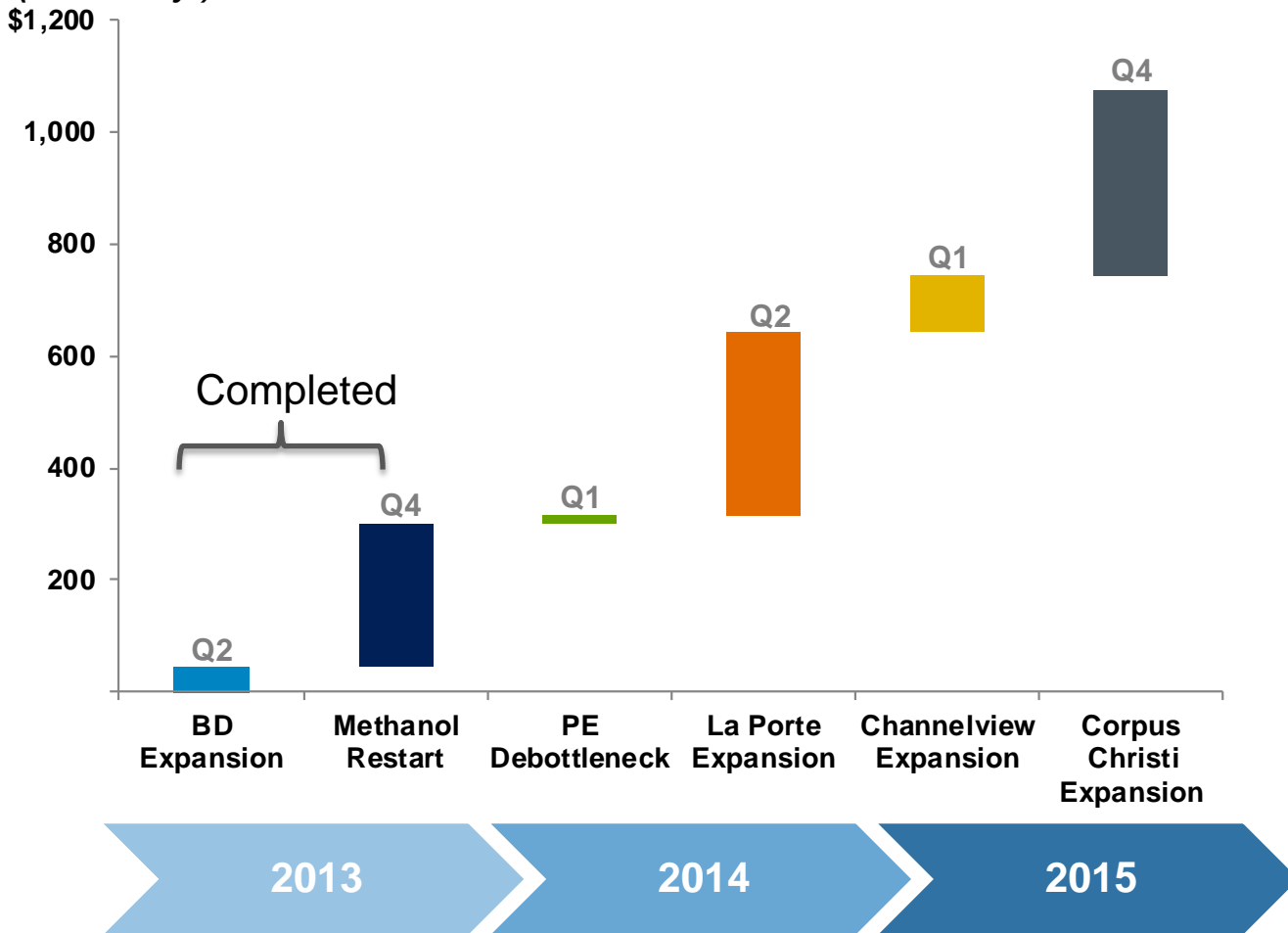
(MBPD)



1) Light Louisiana Sweet (LLS) is the referenced light crude. Data represents quarterly average; 2) The direction of the arrows reflects our underlying business metrics.

Projects Annual Potential Values & Completion Timeline

Annual Potential Value⁽¹⁾
(\$ Million/ yr)



1) Annual potential values are based on LTM September 2013 industry benchmark margins.

Fourth-Quarter Summary and Outlook

Fourth-Quarter Summary

- **Continued strength in O&P – Americas results**
 - Building inventory in preparation for La Porte turnaround
- **Business declines driven by seasonal impacts such as**
 - Lower European polyolefin volumes
 - Lower oxyfuels margins and volumes
- **Improved refining results**
- **Methanol project completion and restart of operations**
- **Increased interim dividend by 20% to \$0.60 per share**

Near-Term Outlook

- **U.S. NGL advantage continues**
- **La Porte turnaround and expansion scheduled to begin in late Q1'2014, estimate ~ 80 days**
- **January Maya 2-1-1 crack spread ~ \$28 per barrel**
- **Growth projects remain on schedule**
 - Polyethylene expansion project target completion in 1Q'2014