



DEDICATED TO THE SUPPORT OF EDUCATION
AND OTHER CHILDREN'S CAUSES

MARCATO

THINKING OUTSIDE THE BOX
OCTOBER 2014

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Ticker: PKG

Recent Share Price:
\$69.00

- ▲ Packaging Corp of America (PCA) is the 4th largest manufacturer of containerboard and corrugated products in North America
- ▲ The Company owns and operates 8 mills and 100 corrugated products manufacturing plants

Capitalization

- ▲ Market Capitalization: \$6.9B
- ▲ Enterprise Value: \$9.1B

Operating Statistics

- ▲ 2014E Revenue: \$5.9B
- ▲ 2014E EBITDA: \$1.2B
- ▲ 2014E EBITDA – CapEx: \$906M
- ▲ 2014E Adjusted EPS: \$4.82 ⁽¹⁾
- ▲ 2014E Maint. FCF / Share: \$6.12

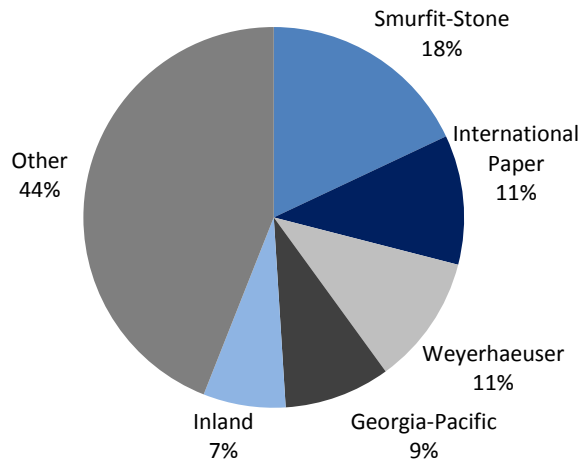
Trading Statistics

- ▲ EV / EBITDA: 7.9x
- ▲ EV / EBITDA – CapEx: 10.1x
- ▲ Adjusted P / E: 14.3x ⁽¹⁾
- ▲ Maint. FCF Yield: 9%

(1) Adjusted for amortization of intangibles, restructuring costs, M&A integration costs and one-time litigation costs

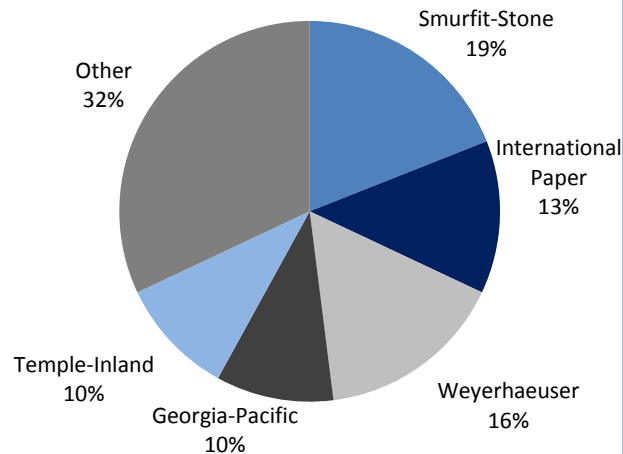
CONTAINERBOARD INDUSTRY HAS CONSOLIDATED TO 4 MAJOR PLAYERS

**2000 Market Share Concentration
(42M Tons)**



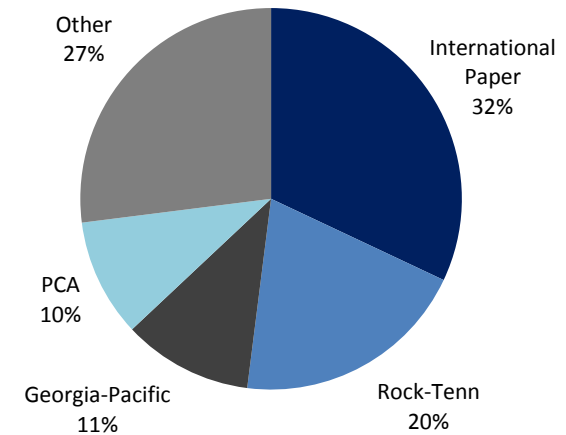
Top 4 = 49%

**2007 Market Share Concentration
(38M Tons)**



Top 4 = 58%

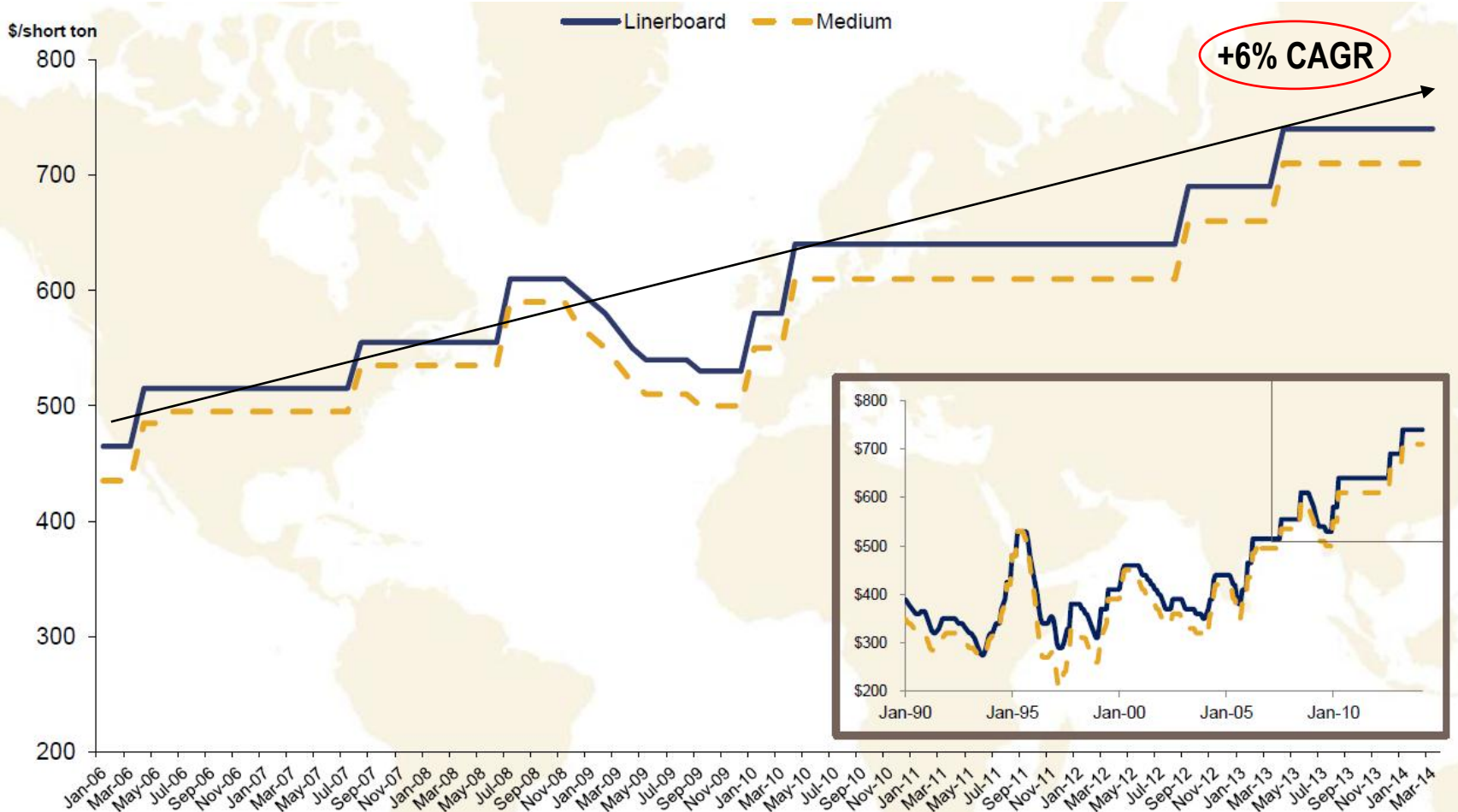
**2014 Market Share Concentration
(40M Tons)**



Top 4 = 73%

CONTAINERBOARD PRICES HAVE RISEN STEADILY OVER TIME

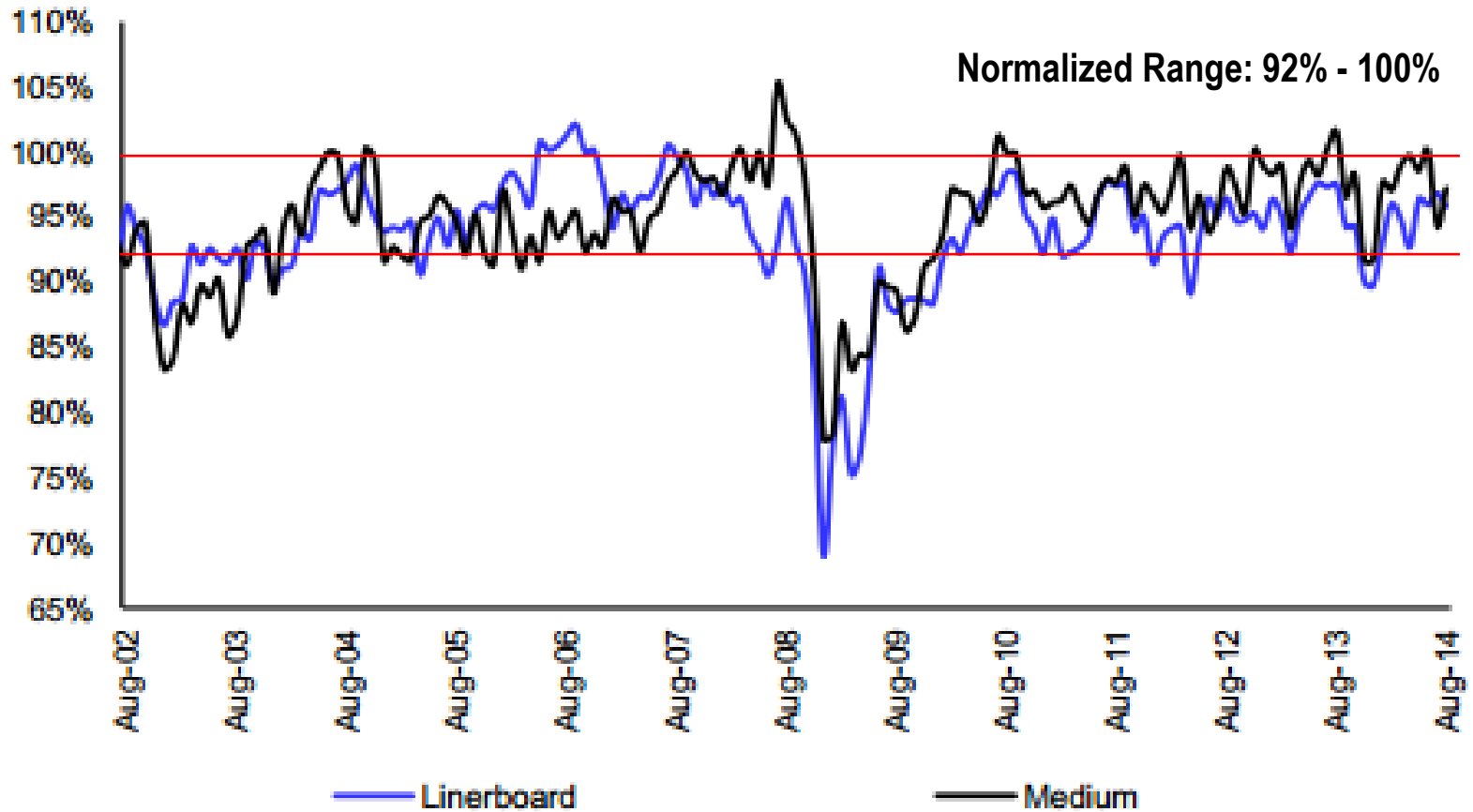
CONTAINERBOARD PRICES (\$ / TON)



Source: International Paper Roadshow Presentation, September 2014

INDUSTRY UTILIZATION IS CURRENTLY ~98% VS. NORMAL LEVELS OF 92% - 100%

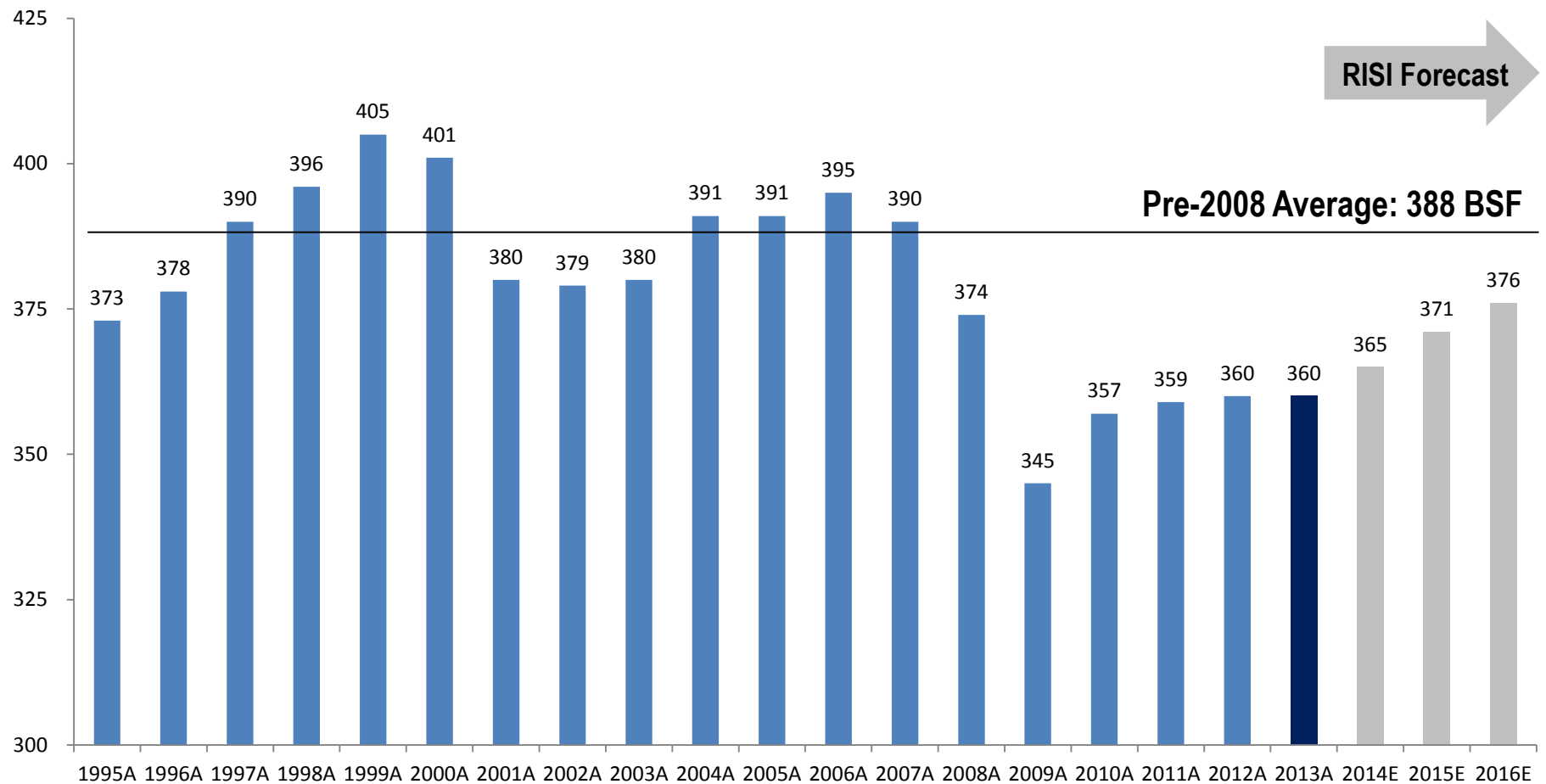
CONTAINERBOARD CAPACITY UTILIZATION



Source: Deutsche Bank Research, September 2014

DEMAND FOR CORRUGATED PRODUCTS ARE STILL CYCLICALLY DEPRESSED

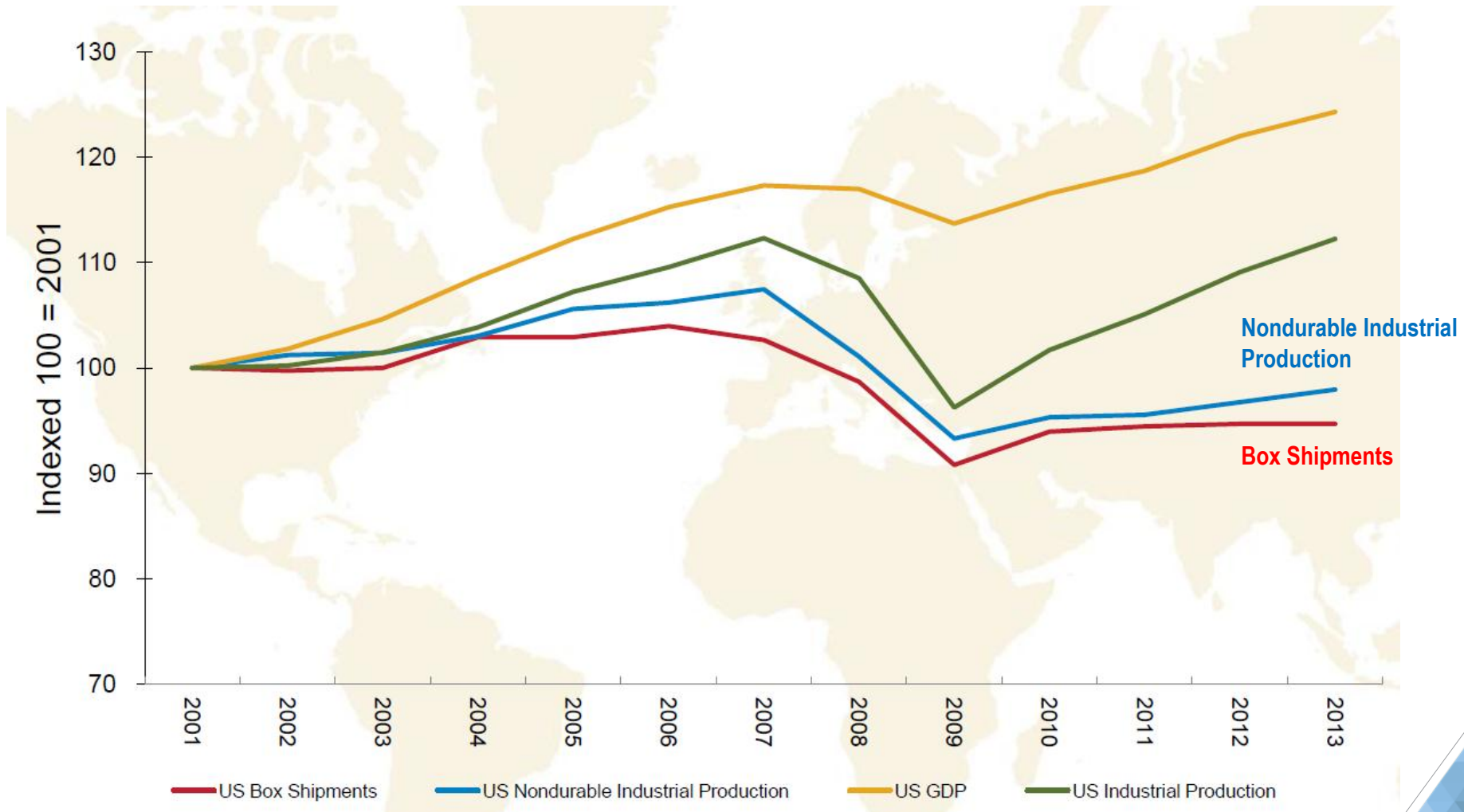
US CORRUGATED PRODUCT DEMAND (BSF)



Source: International Paper Roadshow Presentation, September 2014

BOX SHIPMENTS CORRELATE WITH NON-DURABLE INDUSTRIAL PRODUCTION

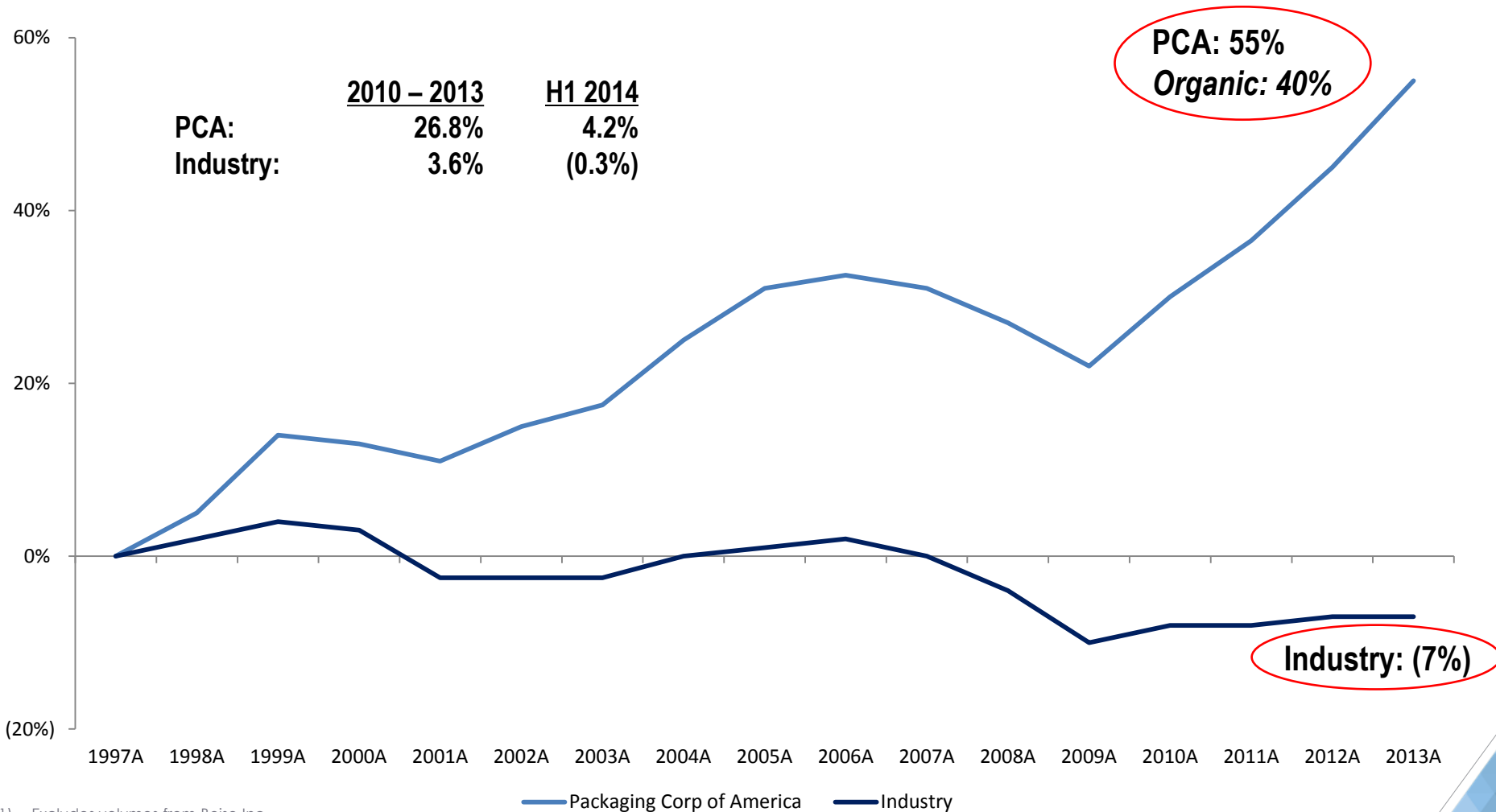
ECONOMIC INDICATORS AND US BOX DEMAND



Source: International Paper Roadshow Presentation, September 2014

PCA VOLUMES HAVE OUTPACED THE INDUSTRY BY A WIDE MARGIN

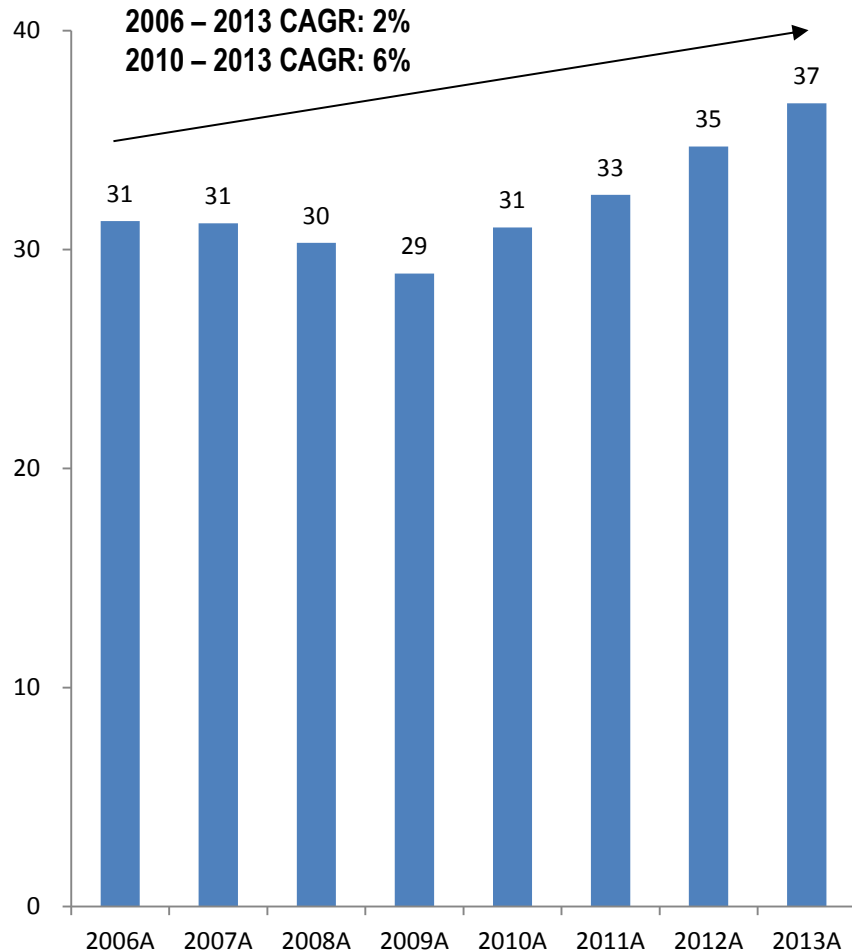
CORRUGATED PRODUCTS VOLUME GROWTH (% CUMULATIVE CHANGE) ⁽¹⁾



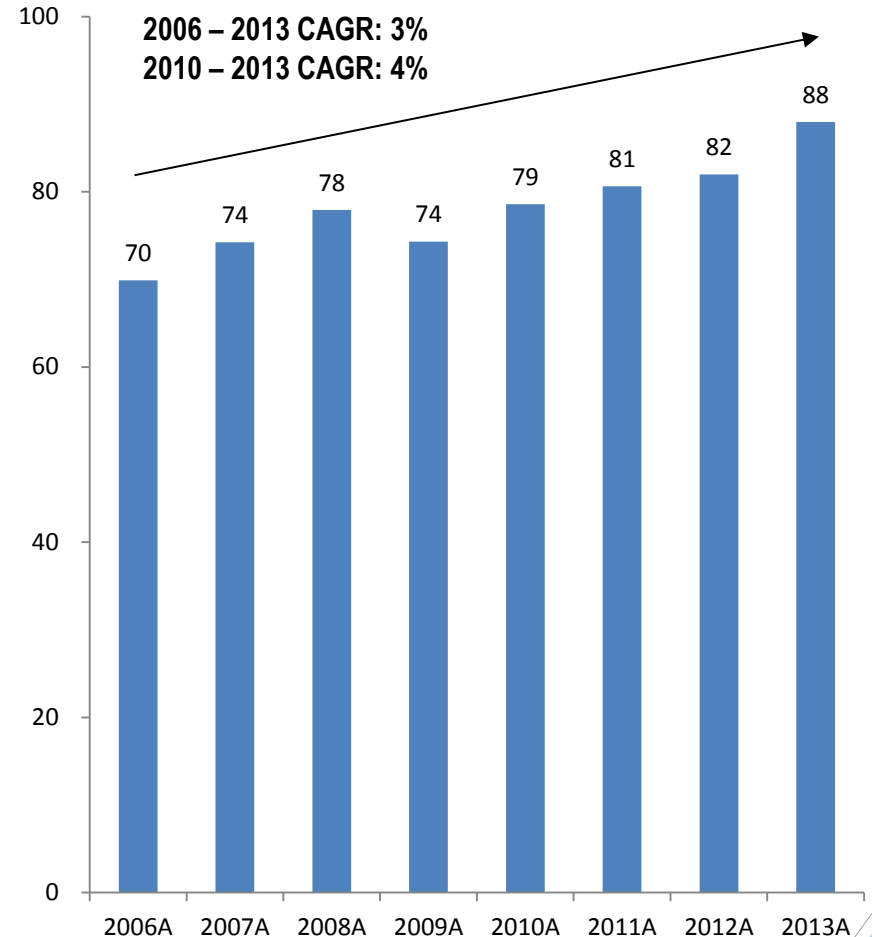
(1) Excludes volumes from Boise Inc.
Source: PCA Investor Presentation, August 2014

PCA EXHIBITS STRONG VOLUME AND PRICE / MIX TRENDS

PCA CORRUGATED SHIPMENTS (BSF)

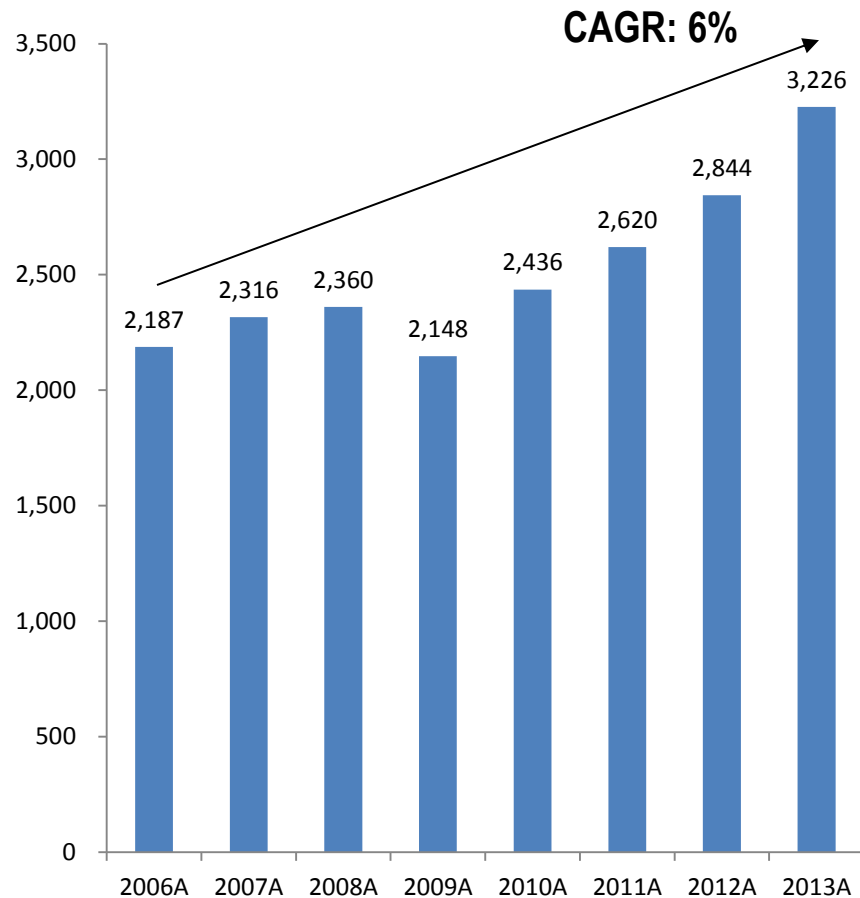


PCA REVENUE PER SHIPMENT (\$MM / BSF)

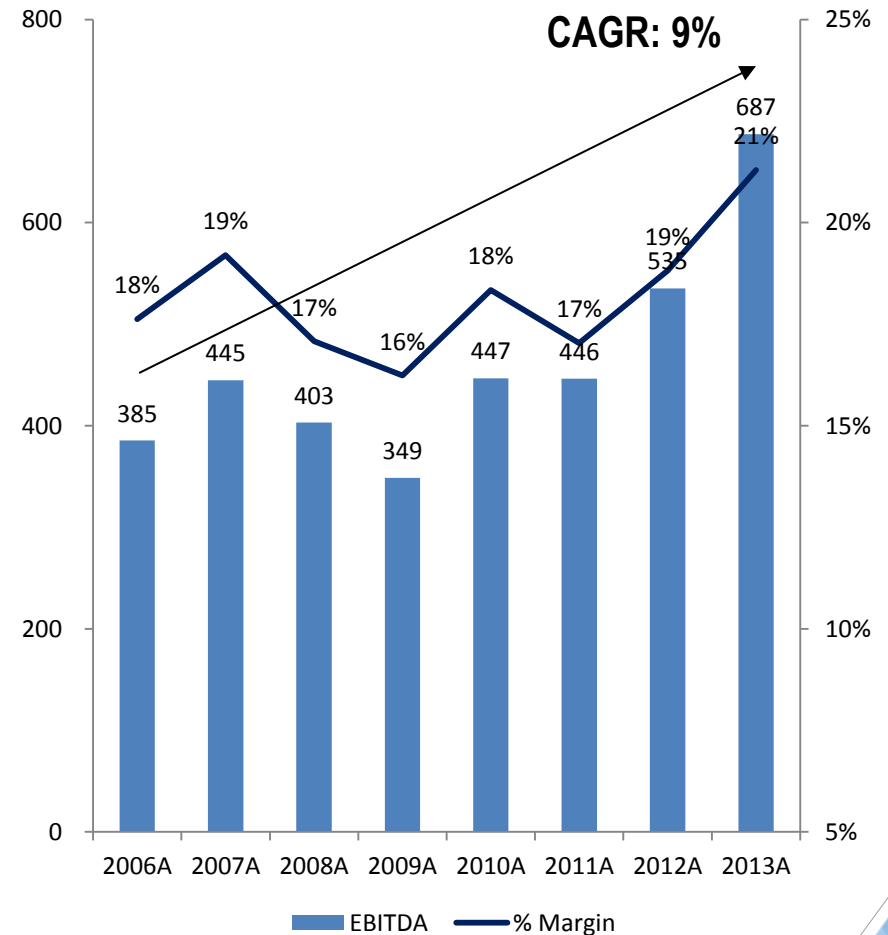


PCA STANDALONE REVENUE AND EBITDA

PCA STANDALONE REVENUE



PCA STANDALONE EBITDA



PCA ACQUIRED BOISE IN A HIGHLY VALUE ACCRETIVE ACQUISITION

PCA acquired Boise for 4.3x EBITDA post-synergies in October 2013

BOISE ACQUISITION

Close Date	10/25/2013
Transaction Value	1,984
Revenue	2,501
EBITDA	292
Synergies	175
EBITDA (Post-Synergies)	467

**Guidance of
“AT LEAST \$175m”
(revised upward
from \$105m)**

EV / EBITDA	6.8x
EV / EBITDA (Post-Synergies)	4.3x

D3 CONVERSION IS EXPECTED TO ADD OVER \$60M OF ANNUAL EBITDA

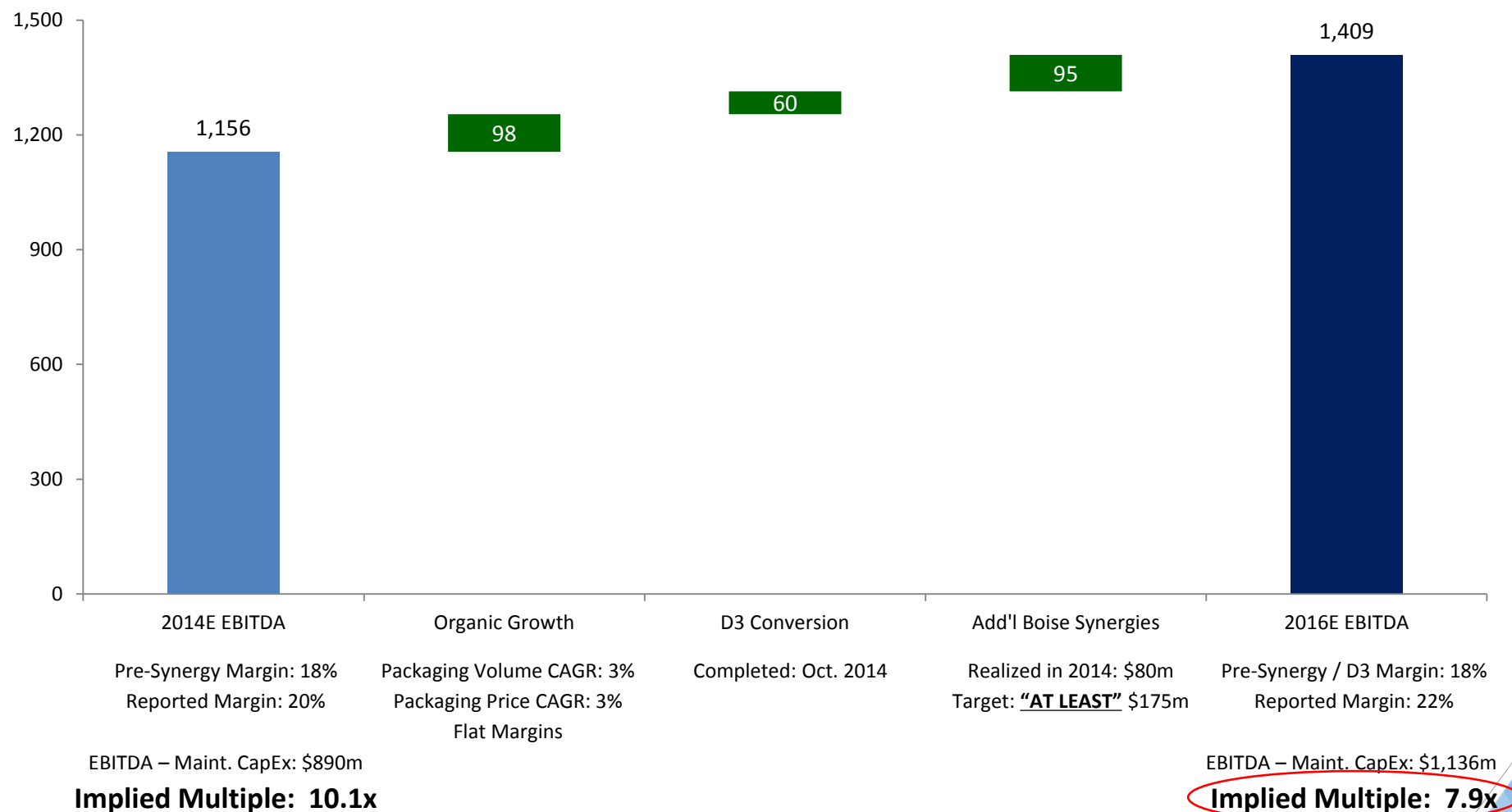
PCA recently converted one of its newsprint machines (D3) into a containerboard machine

D3 CONVERSION

Completion Date	10/17/2014
Capital Investment	\$115
New Containerboard Capacity	355
Containerboard Price	\$750
Incremental Revenue	266
% EBITDA Margin	22.5%
Incremental EBITDA	\$60
Implied EV / EBITDA	1.9x
Taxes	22
% Marginal Tax Rate	36.5%
NOPAT	38
ROIC (After-Tax)	33%

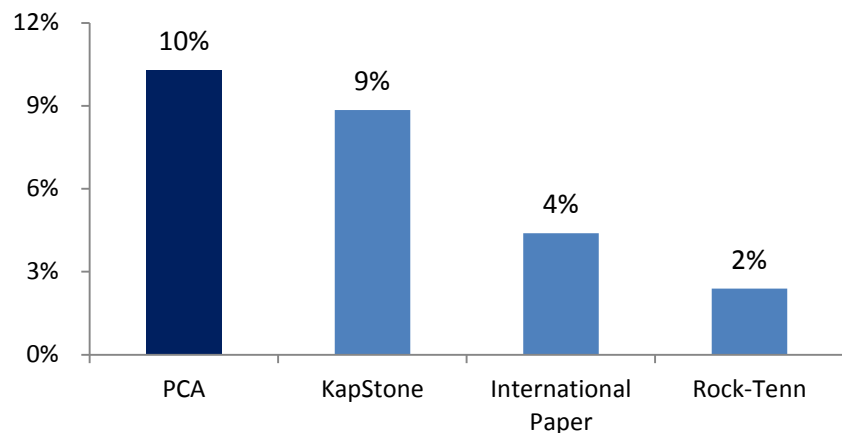
WE EXPECT EBITDA TO GROW TO ~\$1.4B BY 2016 (10% CAGR)

EBITDA BRIDGE: 2014E – 2016E

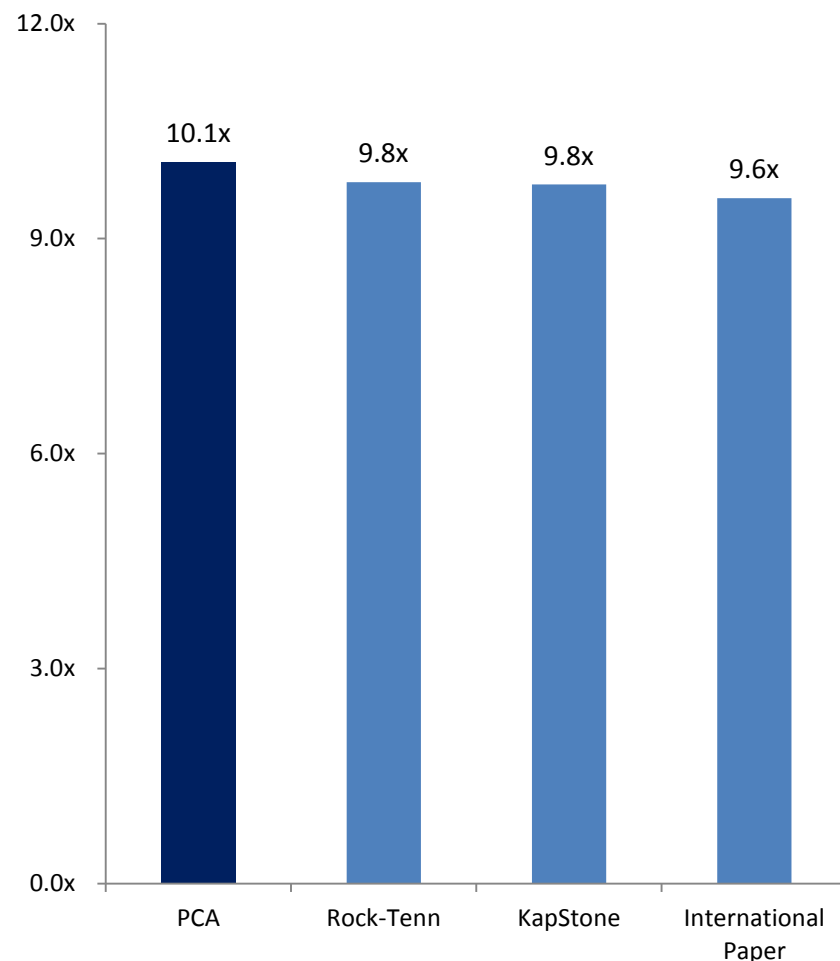


PCA HAS FASTER GROWTH AND HIGHER MARGINS, BUT TRADES IN-LINE WITH PEERS

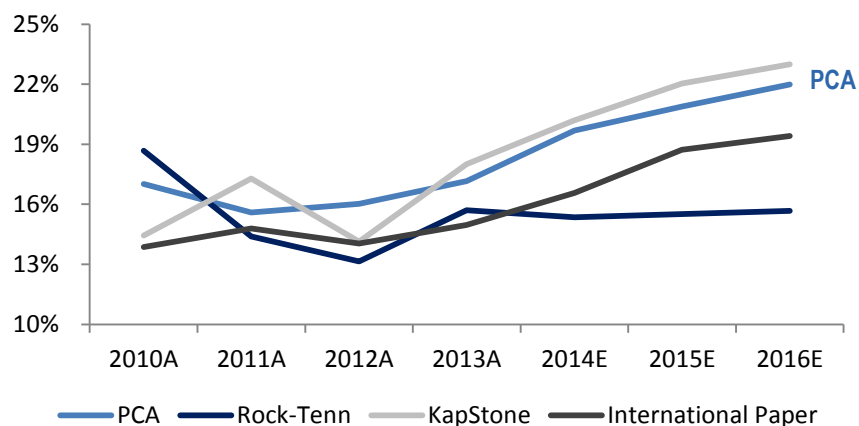
2014E – 2016E EBITDAP CAGR



2014E ADJ. EV / EBITDAP – MAINT. CAPEX



2010A – 2014E EBITDAP MARGINS ⁽¹⁾



(1) PCA margins are pro forma for Boise for all years

INDUSTRY PARTICIPANTS ARE ACTIVELY CONSIDERING AN MLP STRUCTURE

Master Limited Partnerships (“MLPs”) are a tax pass-through entity for income derived from the exploration, development, mining or production, **processing**, refining, transportation or marketing of any mineral or **natural resource**

The conversion of virgin fiber into containerboard is considered a processing of a natural resource

In September, all of PCA’s peers announced they are actively exploring the MLP structure, a new development for the industry

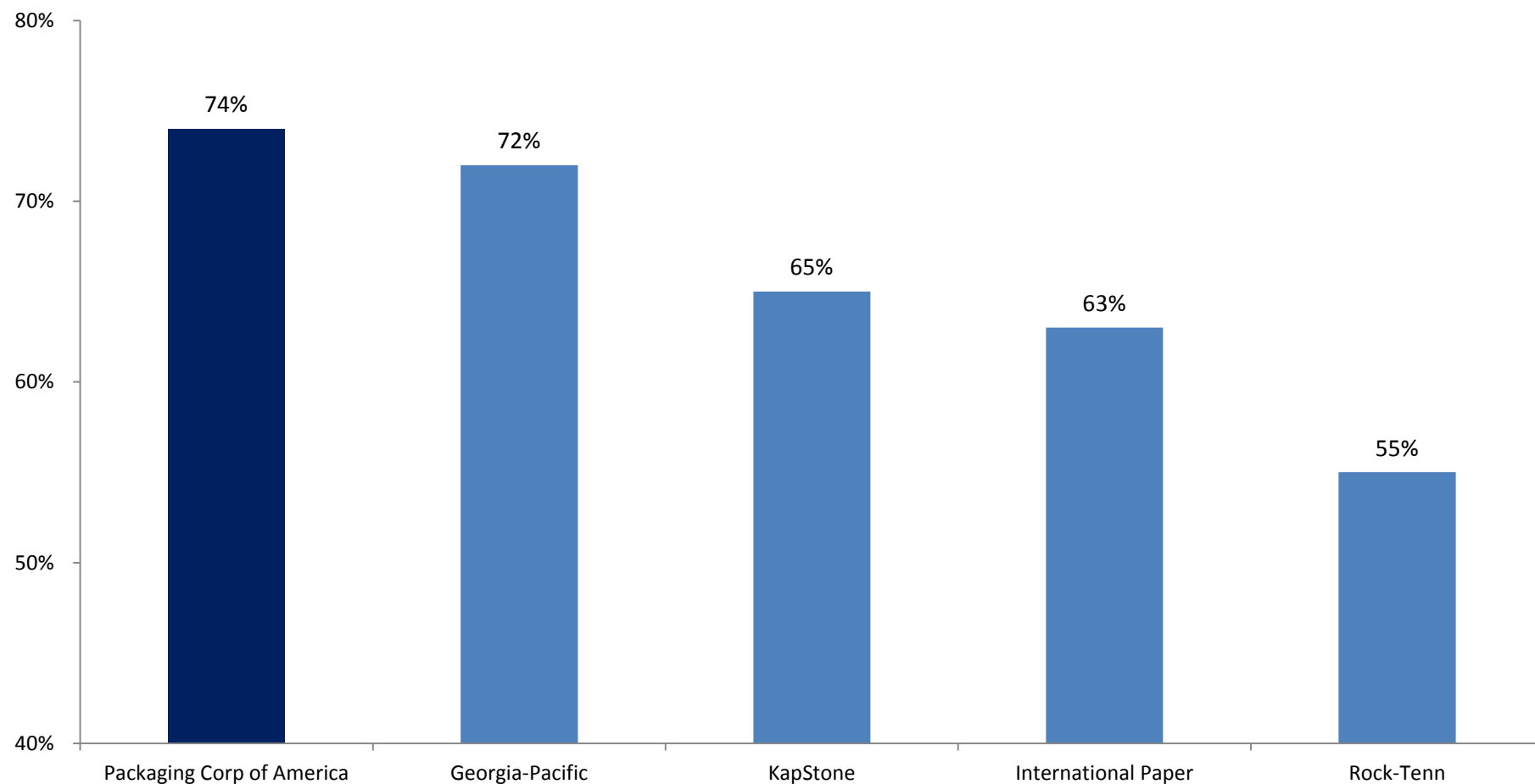
▲ “Carol said, we were studying the MLP structure. We’ve moved from a study phase to a **more serious evaluation phase** and we’re going to do that on a timely basis.” – John Faraci, Chairman and CEO of **International Paper** (Sept 2014)

▲ “We continue to **seriously evaluate the opportunity** to convert a portion of our business to master limited partnership structure.” – Steve Voorhes, CEO of **Rock-Tenn** (Sept 2014)

▲ “We are **taking a serious look** at [MLP structures]. It’s a **very interesting concept**.” – Andrea Tarbox, CFO of **KapStone** (Sept 2014)

PCA IS BEST POSITIONED FOR THIS STRUCTURE GIVEN OUTSIZED EXPOSURE TO VIRGIN FIBER

VIRGIN FIBER USE (%) ⁽¹⁾

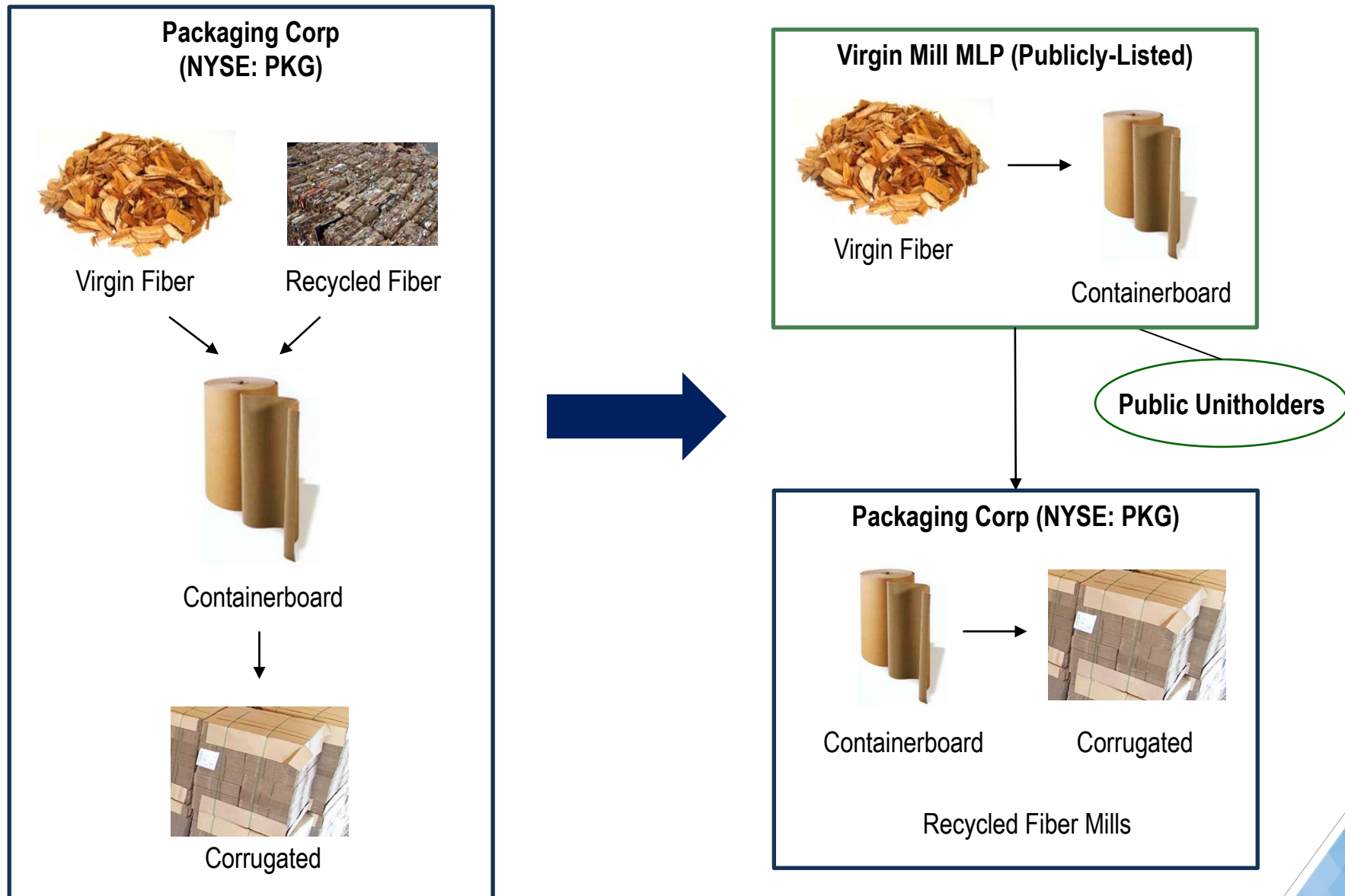


(1) Packaging Corp of America is pro forma for D3 conversion
Source: PCA Investor Presentation, August 2014

ON OCTOBER 21, PCA ANNOUNCED IT IS EXPLORING AN MLP STRUCTURE

- ▲ “We spend a lot of time on [exploring MLP structures] and we **have a good appreciation of its merits, both financially and strategically.**” – Mark W. Kowlzan, CEO and Director
- ▲ “Our **ability to redeploy assets** should resonate well with any potential MLP investors and this **can create a lot of value for both the MLP investors and the PCA shareholders.**” – Mark W. Kowlzan, CEO
- ▲ “We’ve **engaged legal and financial assistance** to provide the information that will allow us to submit a **request to the IRS for a Private Letter Ruling.**” – Mark W. Kowlzan, CEO
- ▲ “As Mark said, we’ve **engaged auditors, legal and other advisers** to look at what we would need to do **for setting up the initial MLP IPO for carve-out audited financials.**” – Richard B. West, CFO

ILLUSTRATIVE MLP STRUCTURE



WHAT IS IT WORTH?

ILLUSTRATIVE VALUATION ANALYSIS

	2016E EBITDA - CapEx Multiple		
	9.0x	10.0x	11.0x
2016E EBITDA - CapEx	1,159	1,159	1,159
Enterprise Value	10,432	11,591	12,750
Debt (12/31/15)	(1,772)	(1,772)	(1,772)
Cash (12/31/15)	162	162	162
Dividends (Q3'14 - 2015)	205	205	205
Equity Value	9,026	10,185	11,345
Shares Outstanding	100	100	100
Share Price	\$91	\$102	\$114
% Upside	31%	48%	65%
Est. MLP Value Creation / Share	\$20+	\$20+	\$20+
Share Price	\$111	\$122	\$134
% Upside	60%	77%	94%

MLP Assumptions:

60% of EBITDA in MLP

4.5x Debt / EBITDA

6.5% Div. Yield

Conservative Tax Leakage Estimates

Note:

Incentive comp based on share price, ROIC, EPS, and relative margins