

Investing in 2012

How Energy & Environmental Policies Impact Investment Decisions CIBO Annual Meeting 12 October 2012



Reality Check

Technology tells you what you can do

Economics tells you what you should do

Politics tells you what you will do



12 Oct 2012

2

Eastman 2011

Eastman FY2011 Results

2011 was a record year, with a double digit increases in sales, earnings, and earnings per share.



EASTMAN

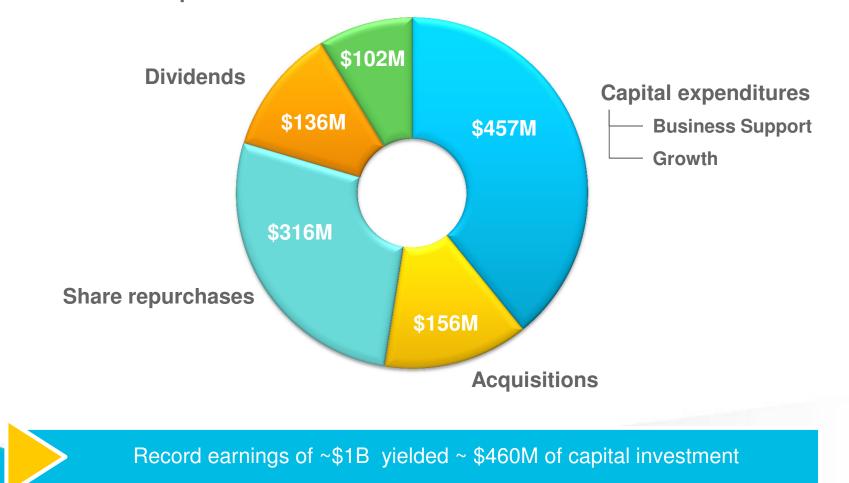


Record sales of ~\$7B, and record earnings of ~\$1B



Eastman's 2011 Capital Allocation

Record earnings resulted in significant cash generation, which was used to return value to shareholders, satisfy pension obligations, and grow through JVA and capital investments.



U.S. pension contributions



Source: 2011 Fourth-Quarter and Full-Year Financial Results and Solutia Acquisition.ppt

12 Oct 2012

5

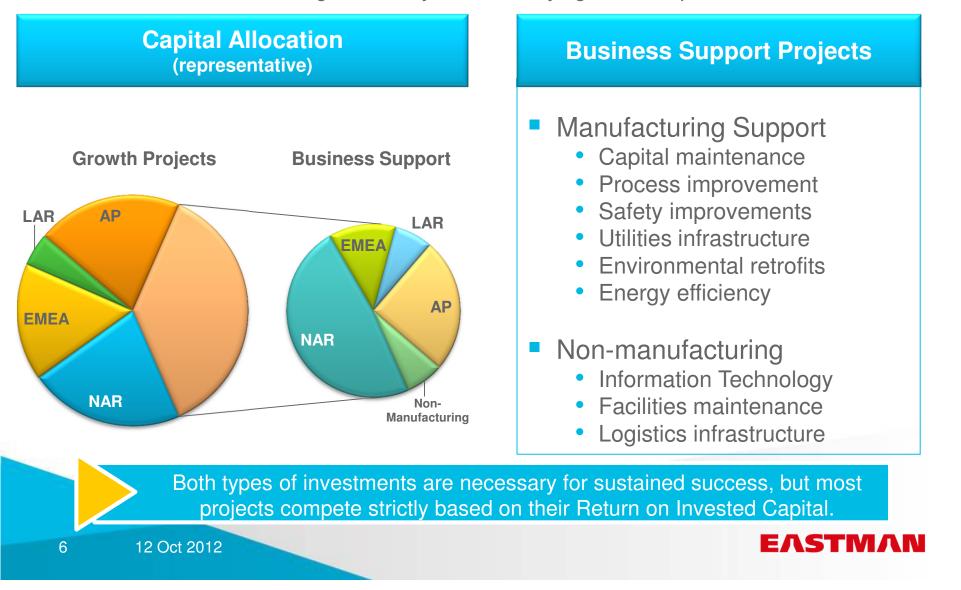


Capital to Grow the Business

Business support projects compete with growth projects for limited

ENERGY STAR AWARD 2012 PARTNER OF THE YEAR

funds. While some business support projects improve the bottom line for Eastman's ~\$20B installed NAR manufacturing base, they do not always grow the top line.



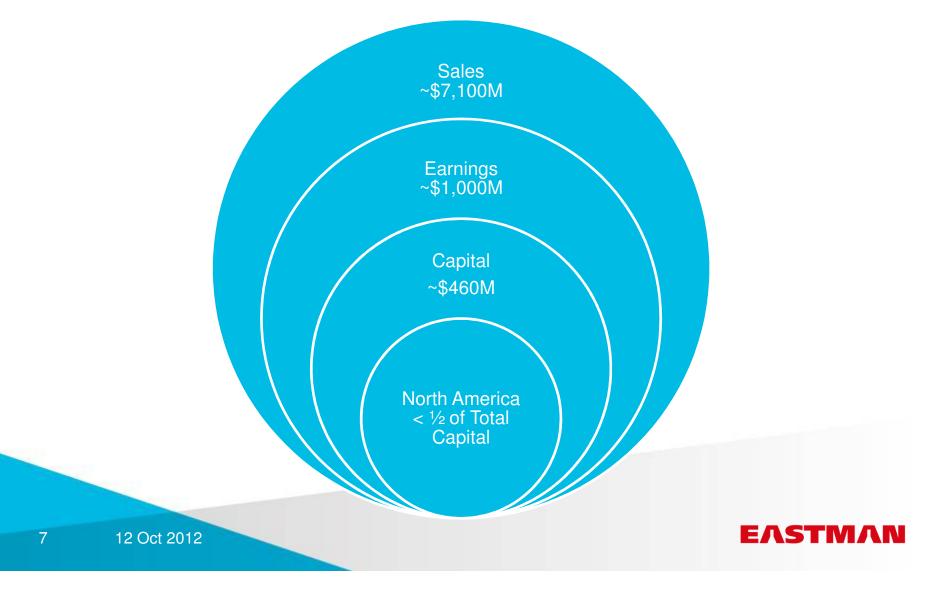
How Much Investment Stays in the US? AWARD 2012

The funds available to invest in American manufacturing sites -

especially for environmental projects with zero return on invested capital - is a smaller than some critics realize, despite the big top-line revenue figures.

ENERGY STAR

PARTNER OF THE YEAR



Where Should Eastman Invest?



Anniston, AL	Dietenheim, Germany	Jefferson, PA	Longview, TX	Nienburg, Germany	Suzhou, China	Zhejiang, China
Antwerp, Belgium	Dresden, Germany	Jurong Island, Singapore	Madison, WI Martinsville, VA	Santo Toribio, Mexico	Texas City, TX Trenton, MI	Zibo, China
Canoga Park, CA Chestertown, MD	Franklin, VA Ghent, Belgium	Kashima, Japan ★ Kingsport, TN	Martinsville, VA Middelburg, The Netherlands	Sao Jose dos Campos, Brazil São Paulo Mauá, Brazil	Ulsan, Korea	
Chicago, IL	Hsinchu, Taiwan	Kohtla-Järve, Estonia	Monongahela, PA	Sauget, IL	Uruapan, Mexico	
Chocolate Bayou, TX	Indianapolis, IN	Kuantan, Malaysia	Nanjing, China	Sete, France	Workington, UK	
Columbia, SC	Itupeva, Brazil	Lemoyne, AL	Newport, Wales	Springfield, MA	Wuhan, China	

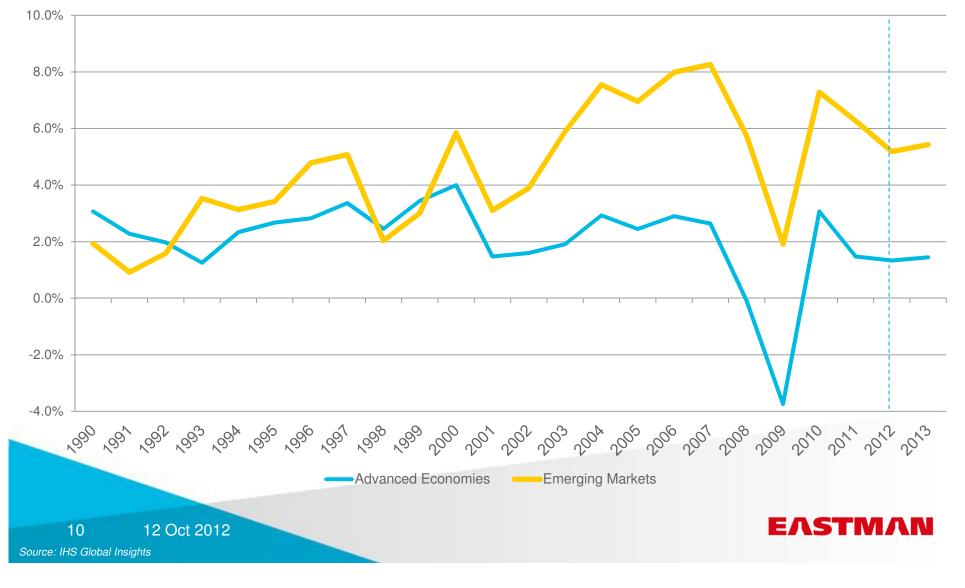
Source: 2012 Corporate Overview.pptx

It's a Two-Speed World Economy



Greatest growth opportunities are in emerging markets, where local or regional manufacturing and talent is valued.

Real GDP, Percent Change

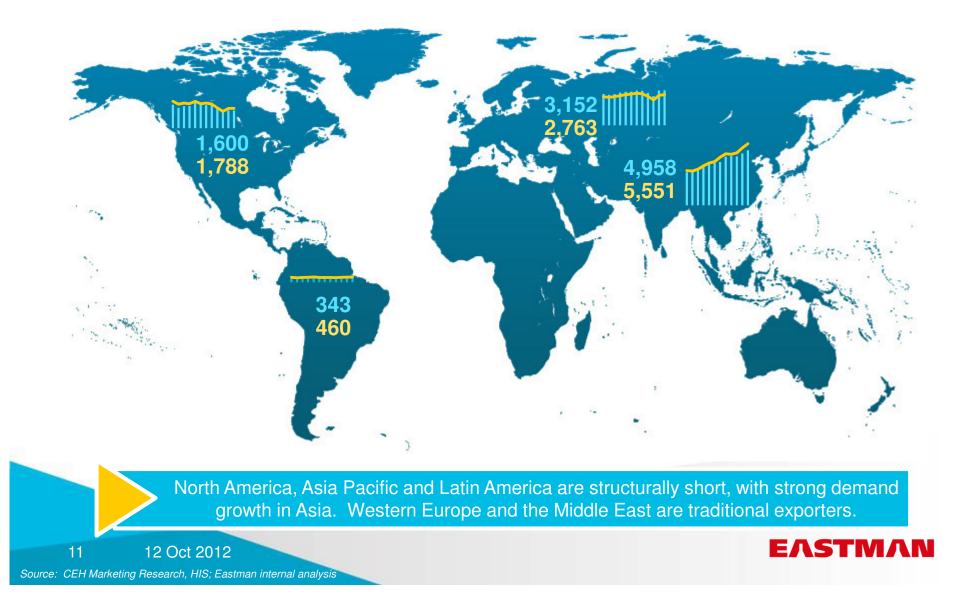


Global Trade Flows

Analysis of global supply / demand balance for xxxxxx

2011 Production 2011 Demand

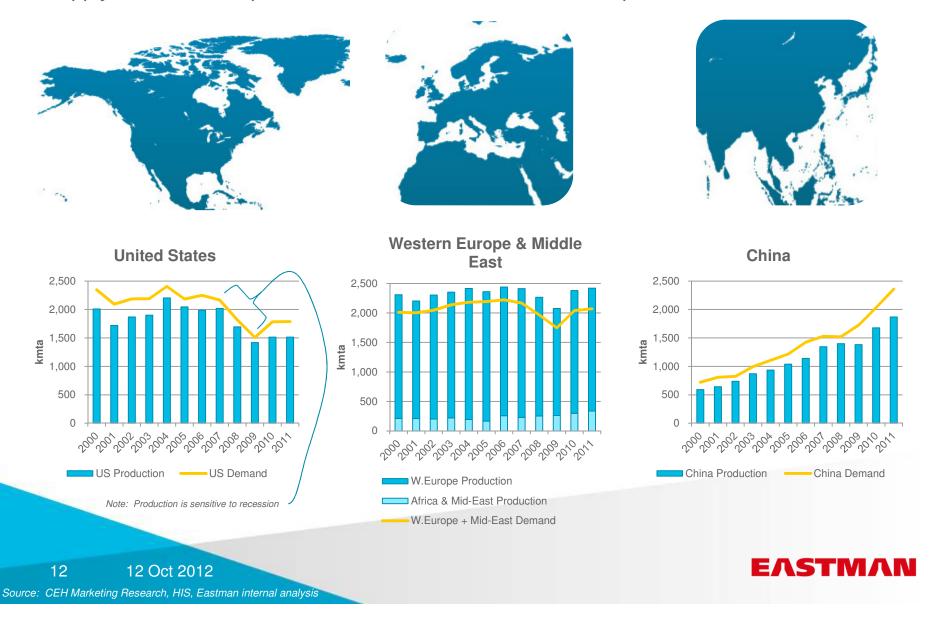
10y Supply/Demand



Global Trade Flows: A Closer Look

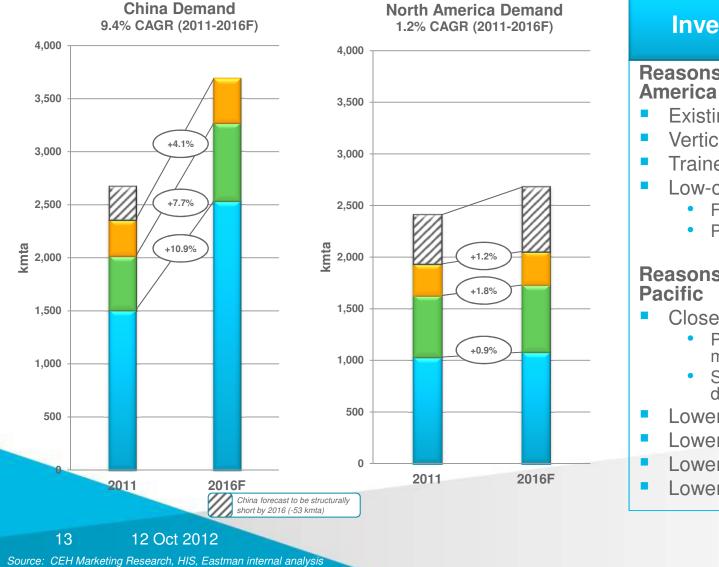
US production is in decline, while demand in China is outpacing supply. Western Europe and the Middle East are the main exporters.





Regional Demand

Strong forecasted growth in China (9.4% CAGR) contrasts with sub-GDP growth in North America (1.2% CAGR).



ENERGY STAR AWARD 2012 PARTNER OF THE YEAR



Reasons to Choose North

- Existing sites & infrastructure
- Vertically integrated sites
- Trained workforce
- Low-cost NG
 - Feedstock + Energy
 - Pipeline infrastructure

Reasons to Choose Asia

- Closer to market
 - Preference for local manufacturing
 - Strategic advantage of developing local talent
- Lower capital costs
- Lower logistics costs
- Lower duty
- Lower tax rates on earnings

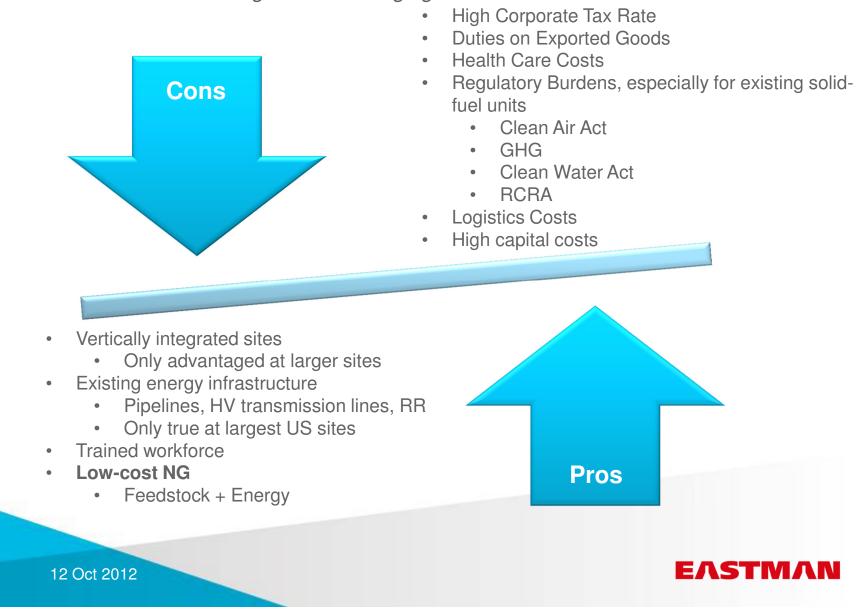
EASTMAN

Why invest in the US?

Why Invest in the US?

15

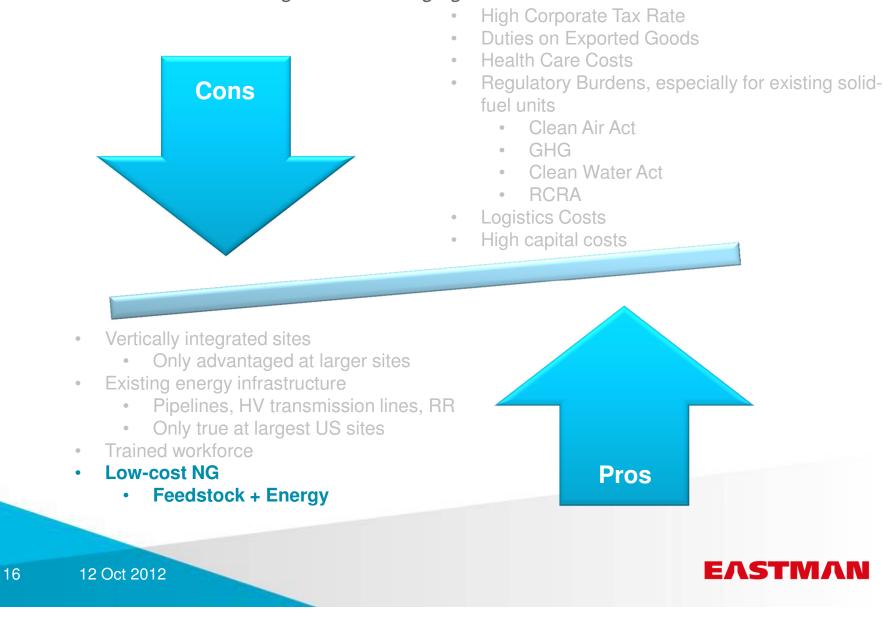
The case for investing in the US is mixed, given the regulatory headwinds in the US and the growth in emerging markets.



ENERGY STAR AWARD 2012 PARTNER OF THE YEAR

Why Invest in the US?

The case for investing in the US is mixed, given the regulatory headwinds in the US and the growth in emerging markets.

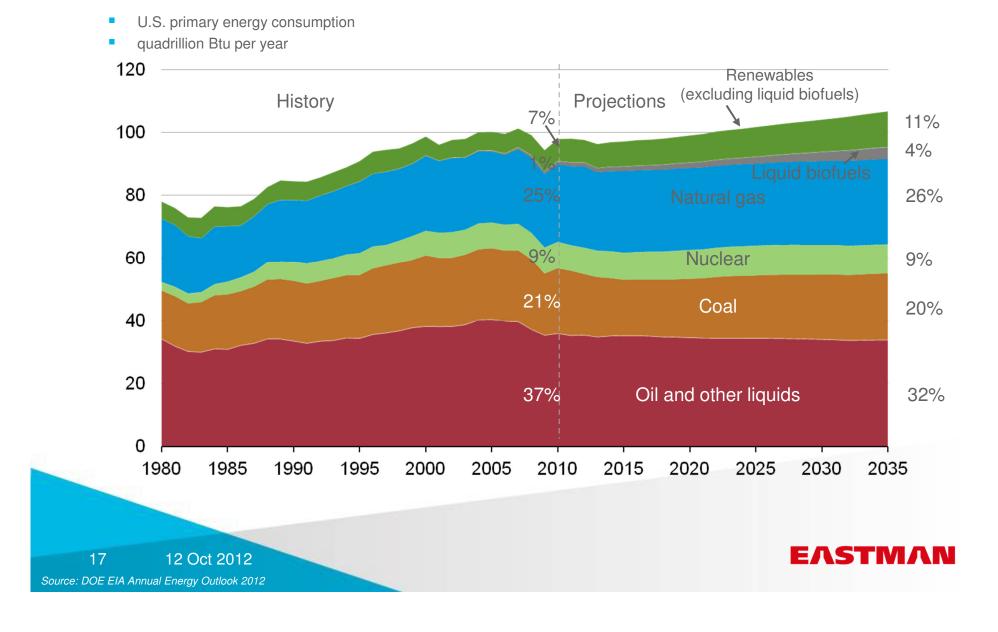


ENERGY STAR AWARD 2012 PARTNER OF THE YEAR

DOE EIA's Annual Energy Outlook 2012 AWARD 2012



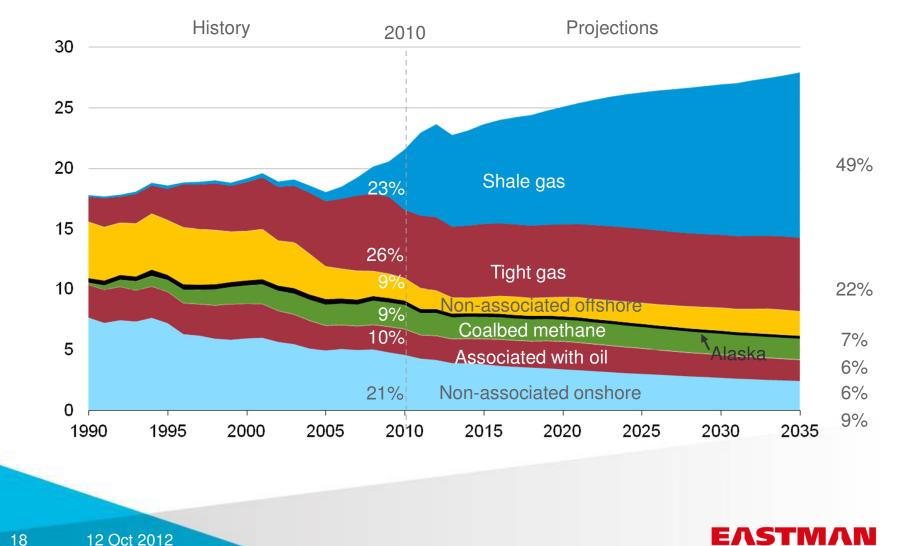
Energy use grows slowly over the projection in response to a slow and **PARTNER OF THE YEAR** extended economic recovery and improving energy efficiency



DOE EIA's Annual Energy Outlook 2012

Shale gas offsets declines in other U.S. natural gas production sources PARTNER OF THE YEAR

- U.S. dry gas production
- trillion cubic feet per year



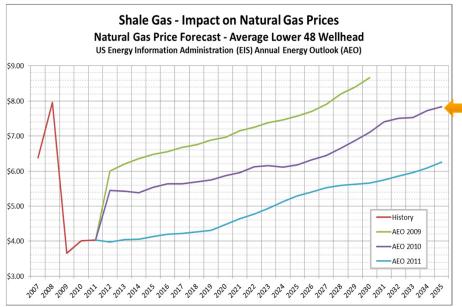
ENERGY STAR

AWARD 2012

Source: DOE EIA Annual Energy Outlook 2012

Why Natural Gas?

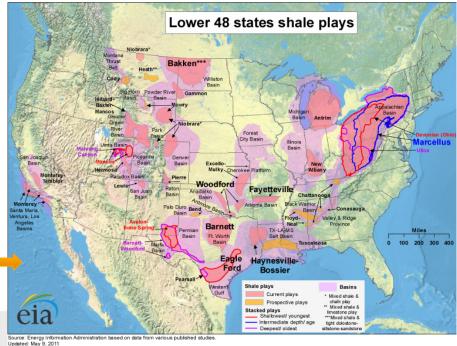
Natural gas trends suggest a structural shift in supply, with possible long-term pricing advantage compared to other regions of the world.



U.S. Shale gas supply is extensive with new supply being brought online.

Kingsport is positioned between major shale gas supplies that are interconnected by a major pipeline serving our area. Shale gas expanding supply and increasing drilling productivity continues to drive down pricing price forecasts

Long-term natural gas price forecasts have declined significantly each of the last few years.





ENERGY STAR

AWARD 2012

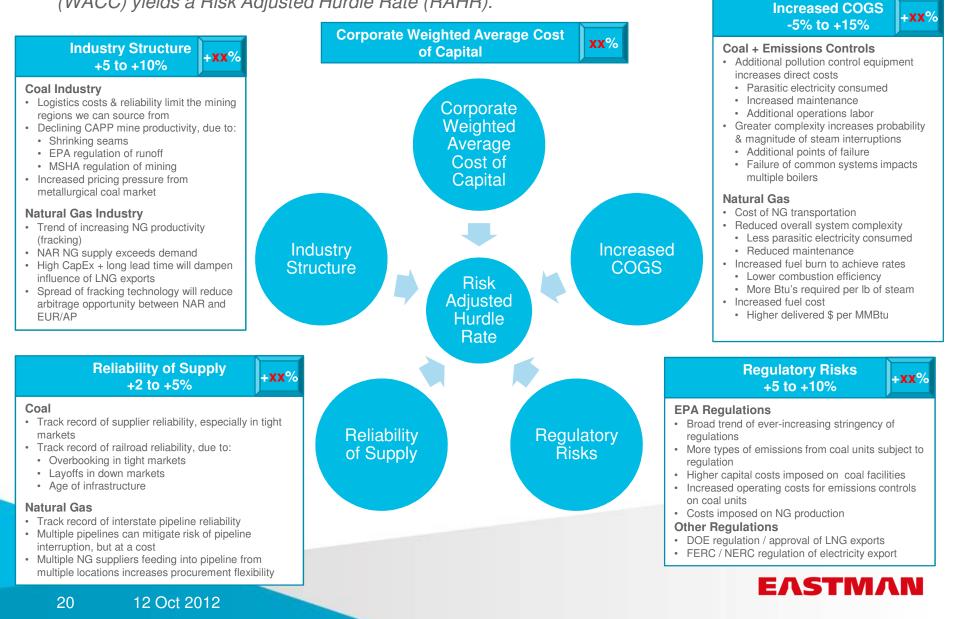
PARTNER OF THE YEAR

19

12 Oct 2012

Risk Adjusted Hurdle Rate: Coal vs. NG

Assessing risk factors beyond the standard Weighted Average Cost of Capital (WACC) yields a Risk Adjusted Hurdle Rate (RAHR).

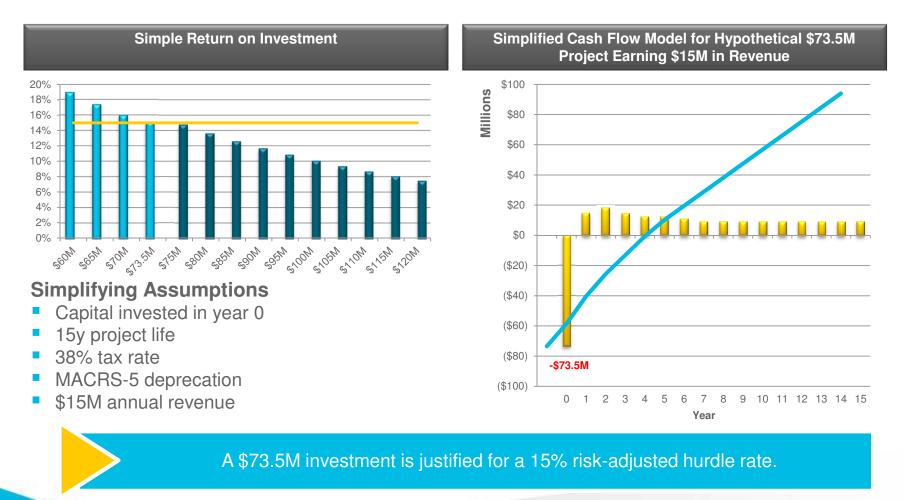


ENERGY STAR

PARTNER OF THE YEAR

Is an Investment in the US Justified?

Investments are evaluated based on a risk-adjusted hurdle rate to capture the true cost of doing business in the US.



12 Oct 2012

21

ΕΛSTΜΛΝ

ENERGY STAR

AWARD 2012

PARTNER OF THE YEAR

energy



Reality Check

Technology tells you what you can do

Economics tells you what you should do

Politics tells you what you will do



22 12 Oct 2012

Are these Macro-trends good or bad?

Several broad trends are driving major changes in how American

manufacturers view energy and environmental stewardship. Where you stand is largely a function of what part of the American economy you occupy.

Macro-Trend	Pros	Cons	
Active Government Regulation	 Drives environmental improvements valued by society Improves human health Levels the playing field Funds basic research Protects vulnerable populations 	 Consistently underestimates costs Consistently overestimates benefits Not sensitive to macro-economic impacts Politics can trump science Uncertainty (judicial review, lawsuits, etc) 	
Emergence of Shale Gas	 Lower criteria pollutants Lower capital investment for greenfield builds Lower carbon footprint Positive national balance of trade Positive for national GDP 	 CH4 emissions during production Water use Competitive impact on renewable energy sources Impact fuel diversity (coal in particular) Volatility Impact of LNG on domestic mfg 	
Sustainability &/or Climate Disruption &/or Climate Change &/or Global Warming	 Drive for bio/renewables Increases fuel diversity Lowers overall environmental impact Stimulates R&D, with other ripple effect benefits Stimulates demand for some products 	 More expensive in most of US (capex & operating) Not significant in many competing economies Subsidies skew the playing field Negative impact on grid reliability 	
23 12 Oct 2012		ΕΛSTΜΛΝ	



12 Oct 2012

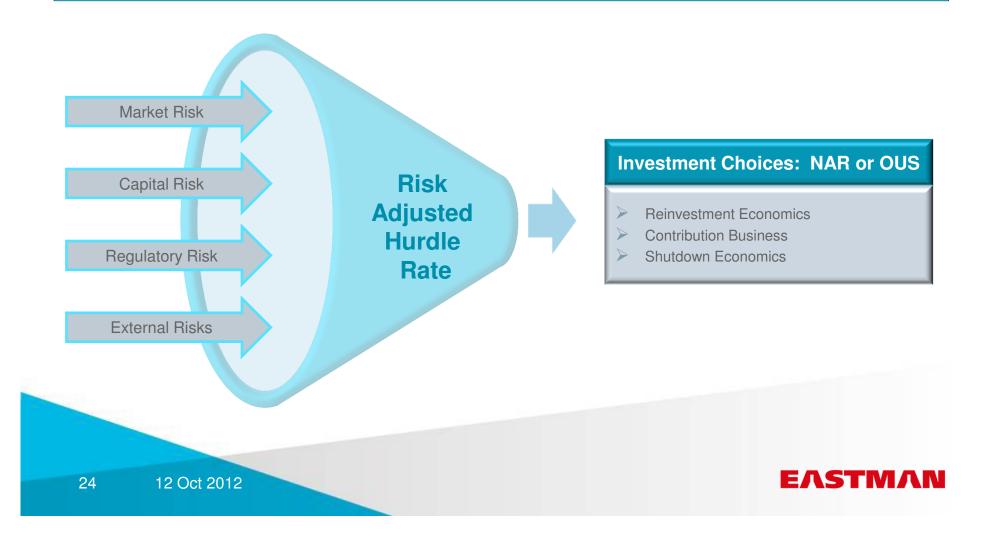
Investment Choices

Weighing all the risk factors is necessary before making investment



choices. Weighing policy risk factors due to energy and environmental regulations will influence whether investments are made in the US or outside the US.

Investment Choices Reflect a Wide Array of Relevant Risk Factors



What Does American Business Really Need?

The real world doesn't guarantee a portfolio of low-risk, high-return investment options. So what do American companies really want when they consider their choices?

- 1. Level playing field
 - a. Between industries
 - b. US vs. Rest of World
- 2. Predictable, rational regulations
- 3. A chance to leverage our competitive advantages

EASTN

- a. Competitive (abundant) energy and raw materials
- b. Talent
- c. Intellectual property

12 Oct 2012

25