



December 6, 2011

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# WEST VIRGINIA: ENERGY POWERING ECONOMIC DEVELOPMENT

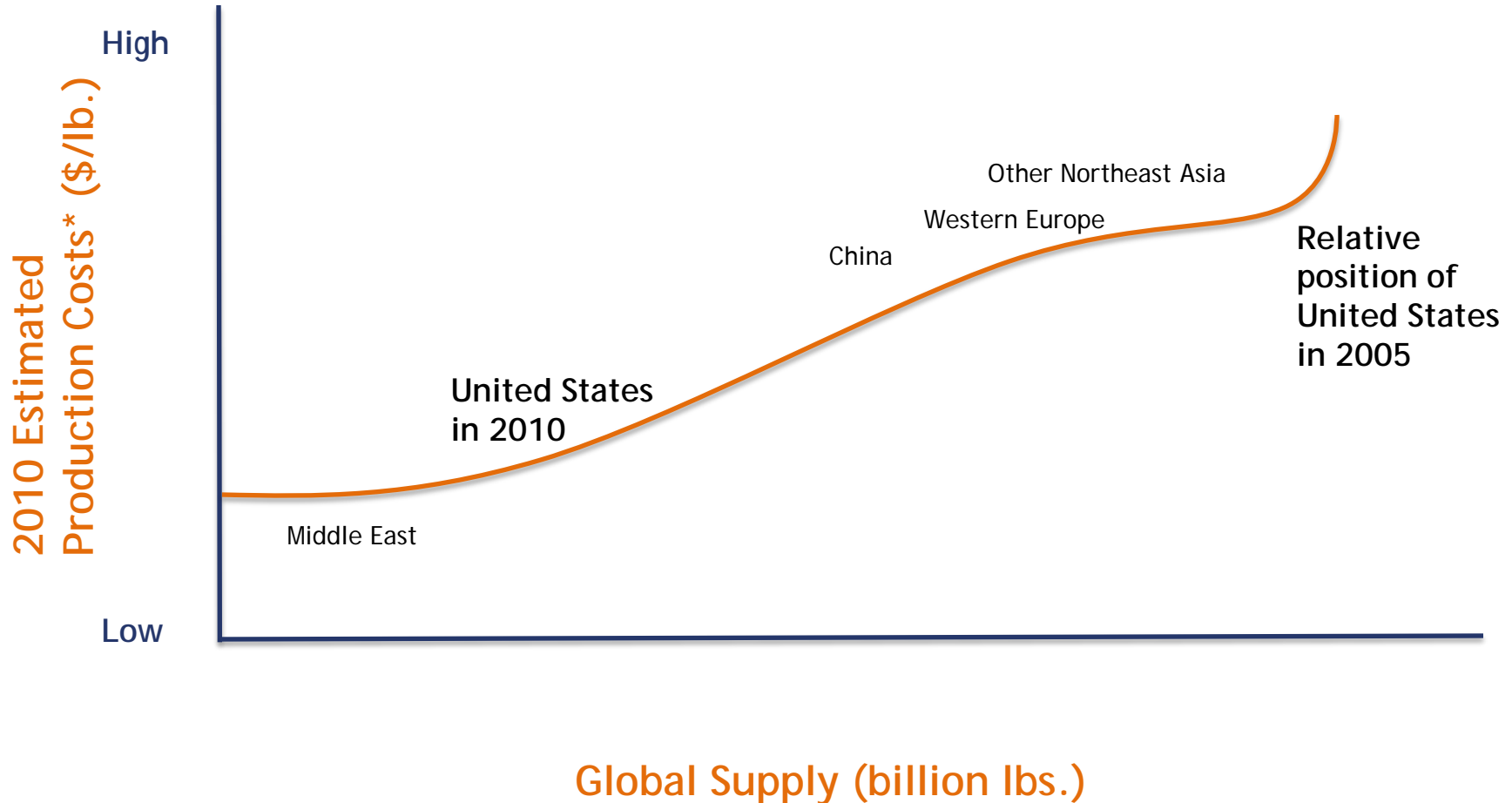
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# Global Ethylene Supply Curve:

## Shift in Relative Position of United States (2005-2010)

(Petrochemical Production Costs by Country/Region)



\*Based on estimates from best available data

# ETHYLENE CHAIN







# WEST VIRGINIA

SHALE GAS CAN LEAD TO NEW INVESTMENT, JOBS, WAGES AND TAX REVENUE FOR WEST VIRGINIA



Access to vast, new supplies of natural gas from shale deposits is one of the most dramatic domestic energy developments in the last 50 years. The economics of shale gas not only create a competitive advantage for U.S. petrochemical manufacturers, but also lead to greater U.S. investment and industry growth.

## INVESTMENT PHASE

(building the facility)

## OPERATION PHASE

(ongoing production)



A **\$3.2 BILLION** investment in an ethylene production complex in West Virginia will generate a total of **\$4.8 BILLION** in additional chemical industry output, bringing the state's industry revenues to more than **\$13 BILLION** and making it the country's **13th largest chemical producing state**.



In West Virginia, more than **12,000 permanent jobs** will be created in the chemical industry and throughout the supply chain in everything from trade and craft jobs to highly-skilled knowledge workers.

## WHY WEST VIRGINIA?



**\$8 billion** in revenue

and nearly **10,000** West Virginia jobs

major rail systems

considerable shale gas deposits

access to the Ohio River

excellent universities

within 500 miles of U.S. industrial base



More than **\$729 MILLION** in wages will go into the pockets of West Virginia workers, generating nearly **\$95 MILLION** in state tax revenue and **\$139 MILLION** in federal revenue.