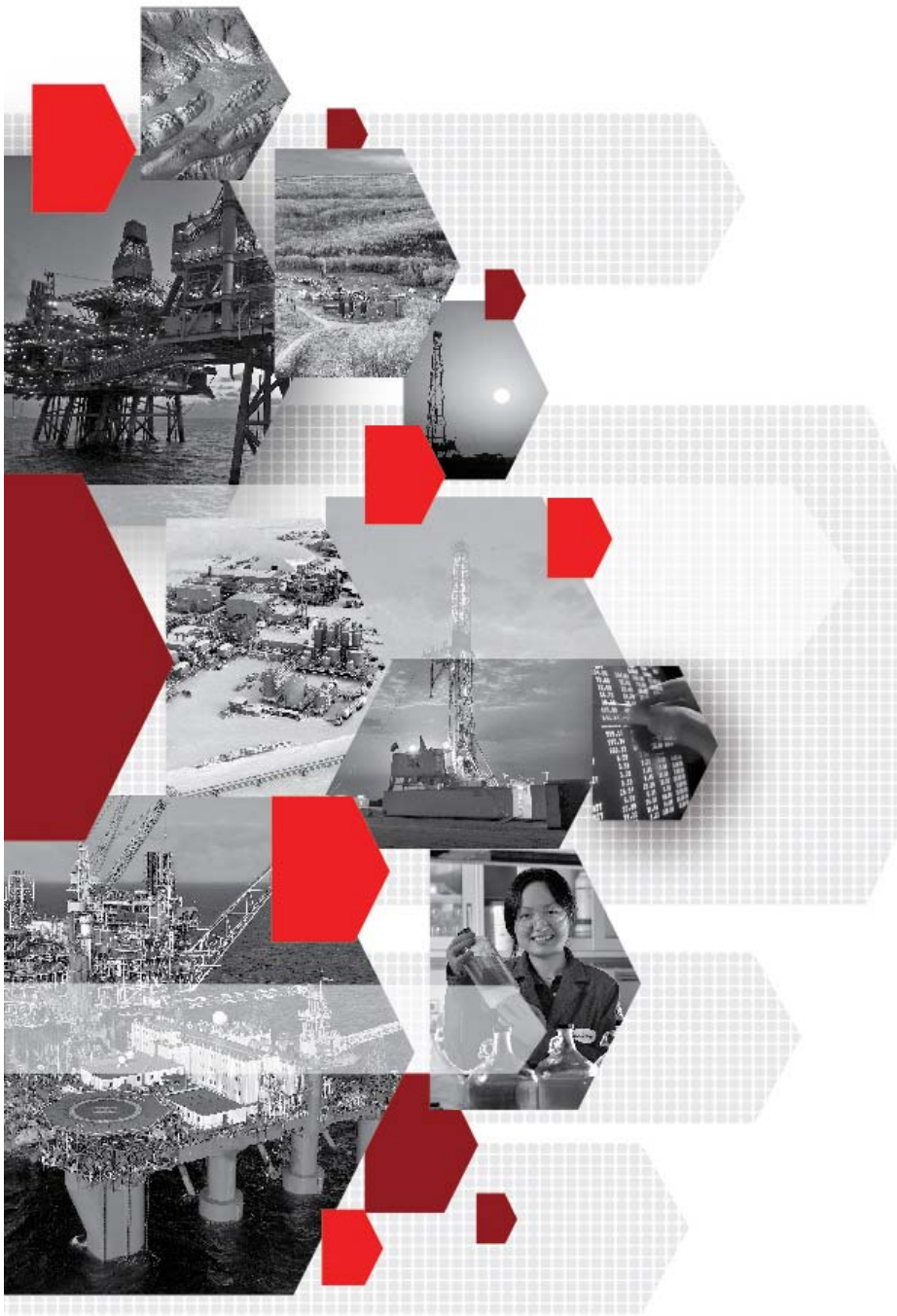




# The Benefits of U.S. Crude Exports

IPAA Annual Meeting  
Ryan Lance, Chief Executive Officer  
November 13, 2014





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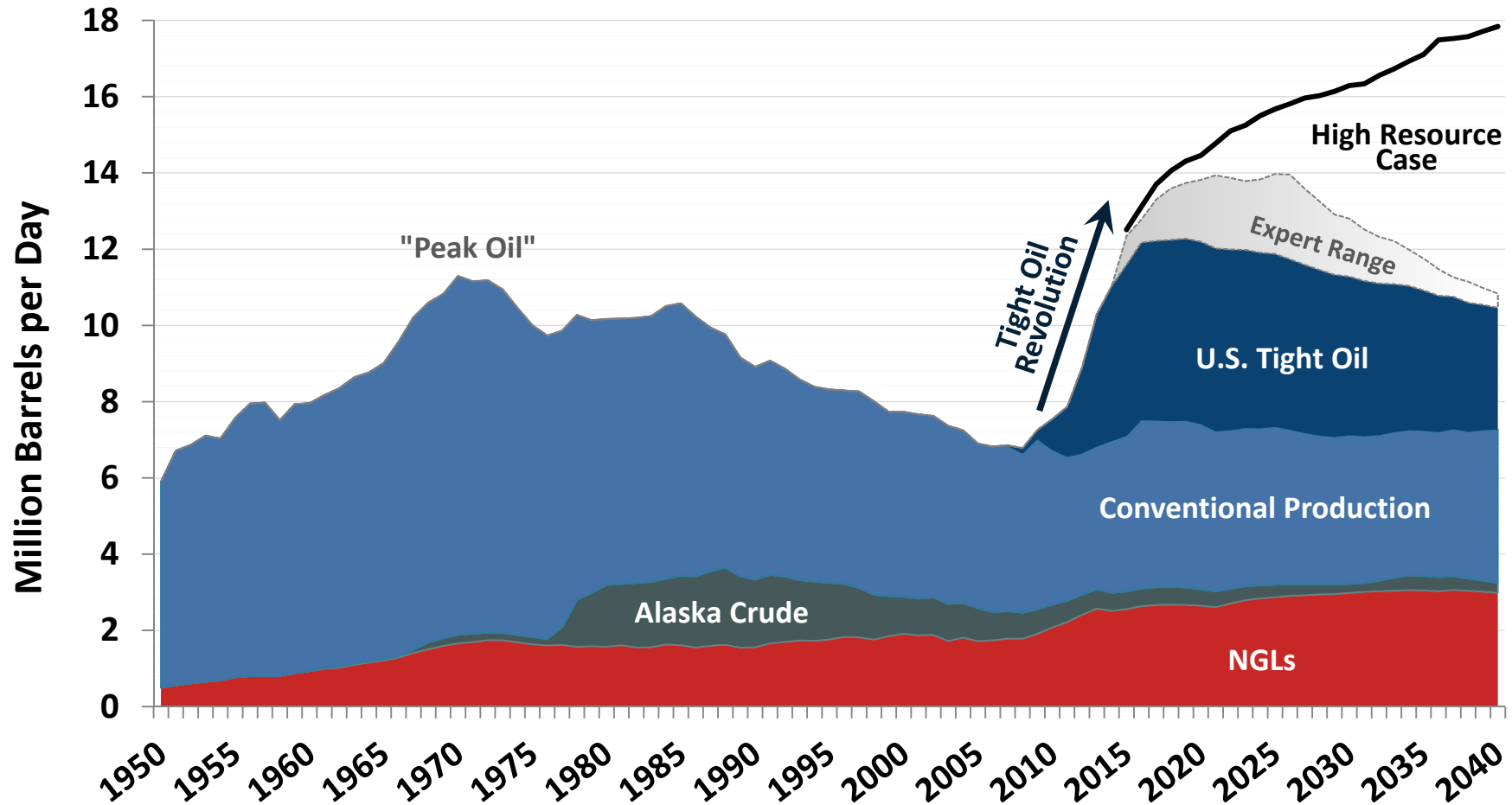
Use of non-GAAP financial information – This presentation may include non-GAAP financial measures, which help facilitate comparison of company operating performance across periods and with peer companies. Any non-GAAP measures included herein will be accompanied by a reconciliation to the nearest corresponding GAAP measure in an appendix.

Cautionary Note to U.S. Investors – The SEC permits oil and gas companies, in their filings with the SEC, to disclose only proved, probable and possible reserves. We use the term "resource" in this presentation that the SEC's guidelines prohibit us from including in filings with the SEC. U.S. investors are urged to consider closely the oil and gas disclosures in our Form 10-K and other reports and filings with the SEC. Copies are available from the SEC and from the ConocoPhillips website.

# Substantial Growth in Total U.S. Oil Production Projected

## U.S. Crude, Condensate and Natural Gas Liquids Production

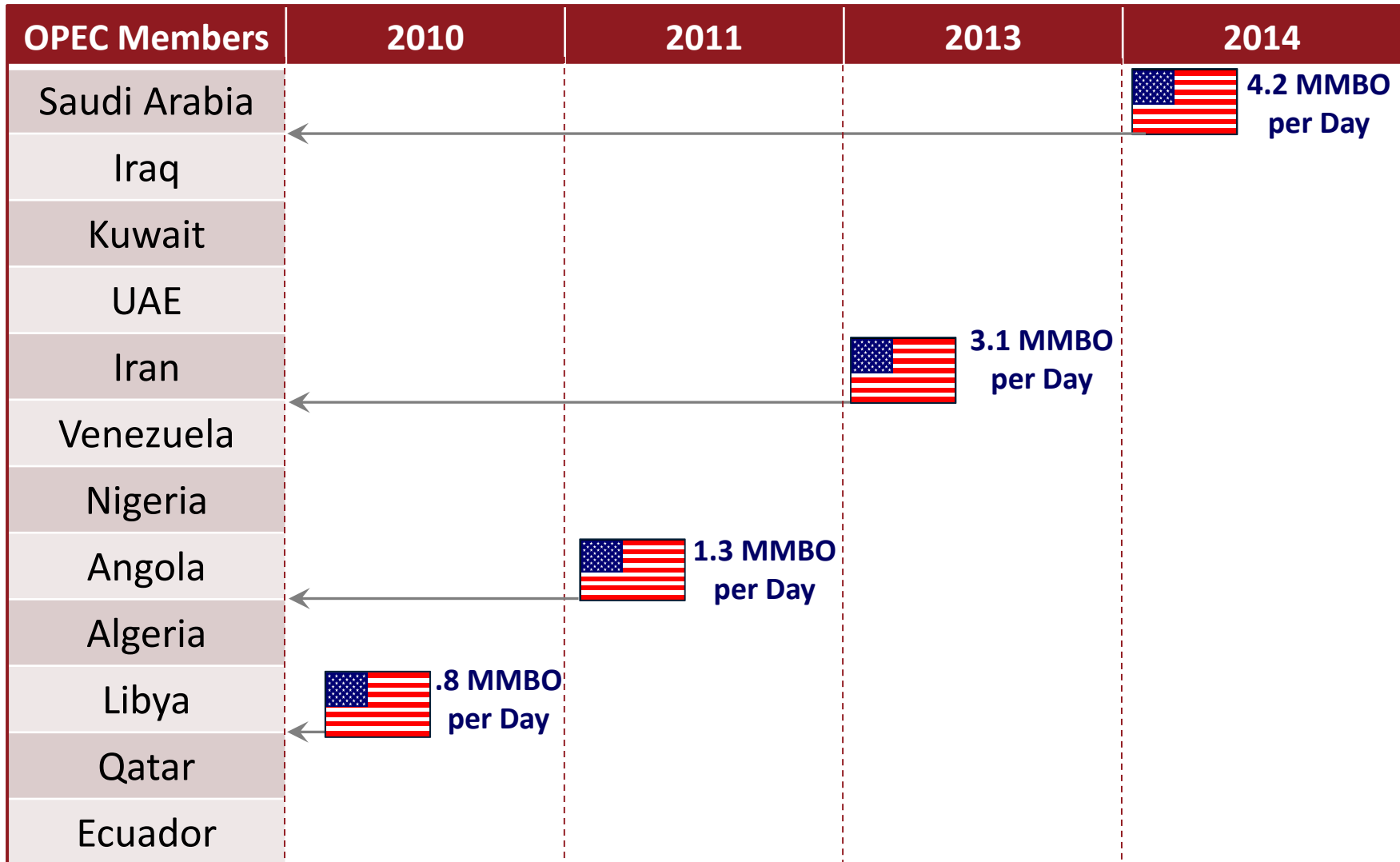
U.S. Department of Energy Forecast



Liquids production has returned to levels not seen since 1972

Source: U.S. Department of Energy, EIA, Annual Energy Review 2013, Table 5.1b. Forecast from EIA Annual Energy Outlook 2014, Various forecasts

# U.S. Tight Oil: The Biggest Driver Behind the Oil Renaissance

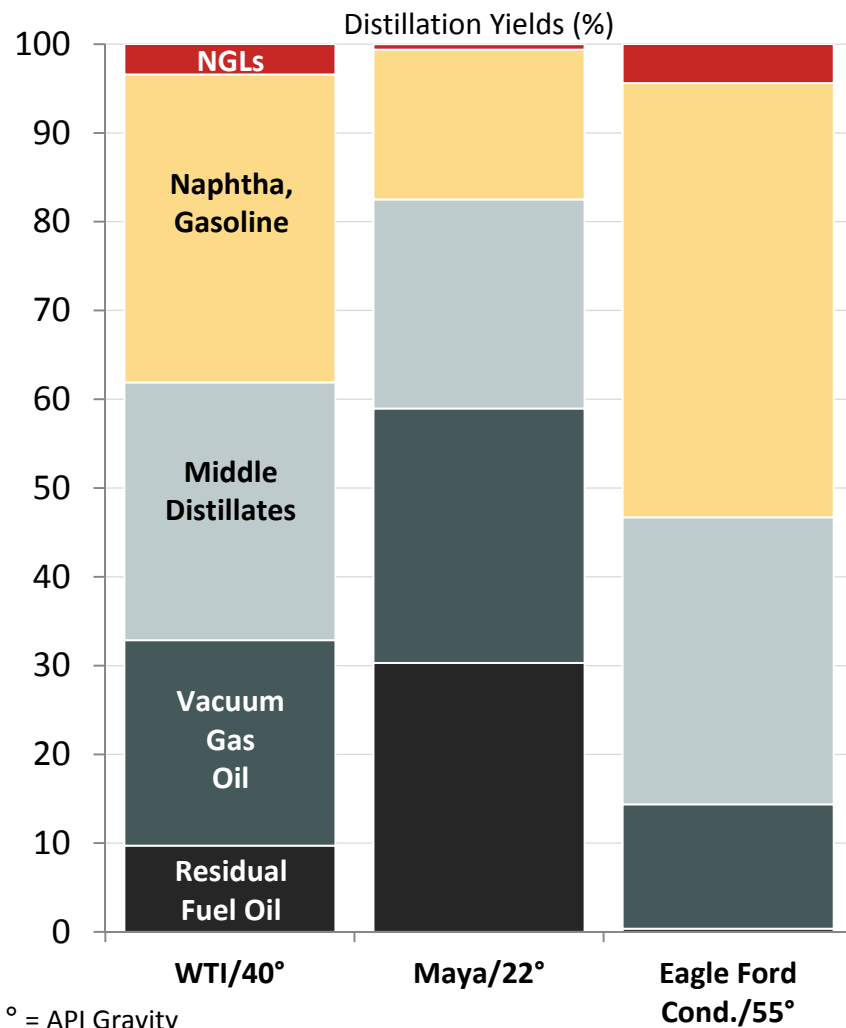


## U.S. tight oil production alone is larger than production in most OPEC nations

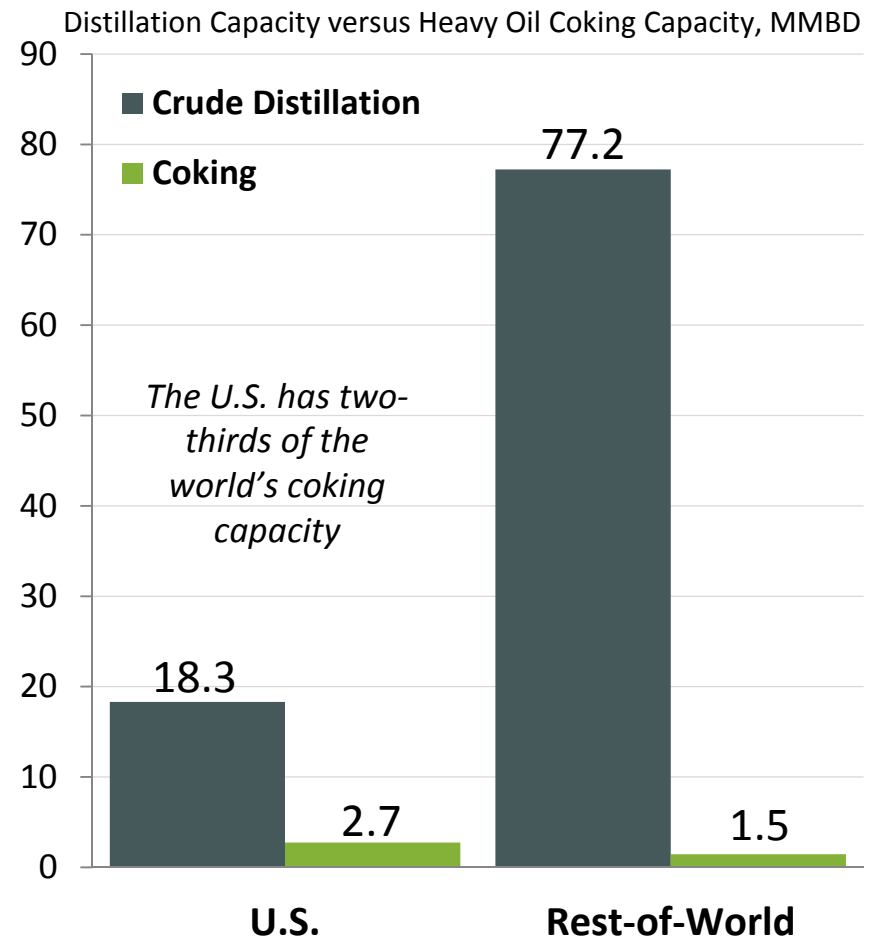
OPEC Production ranked from highest (Saudi Arabia) to lowest per 2013 IEA reported production volumes. OPEC Neutral Zone production split between Saudi Arabia and Kuwait.  
 Sources: IEA for OPEC production; EIA Annual Energy Outlook and Rystad Energy for U.S. Tight Oil. NOTE: Tight oil production includes liquids from tight natural gas plays.

# Tight Oil Quality vs. U.S. Refining Configuration: The “Mismatch”

## Product yields differ significantly

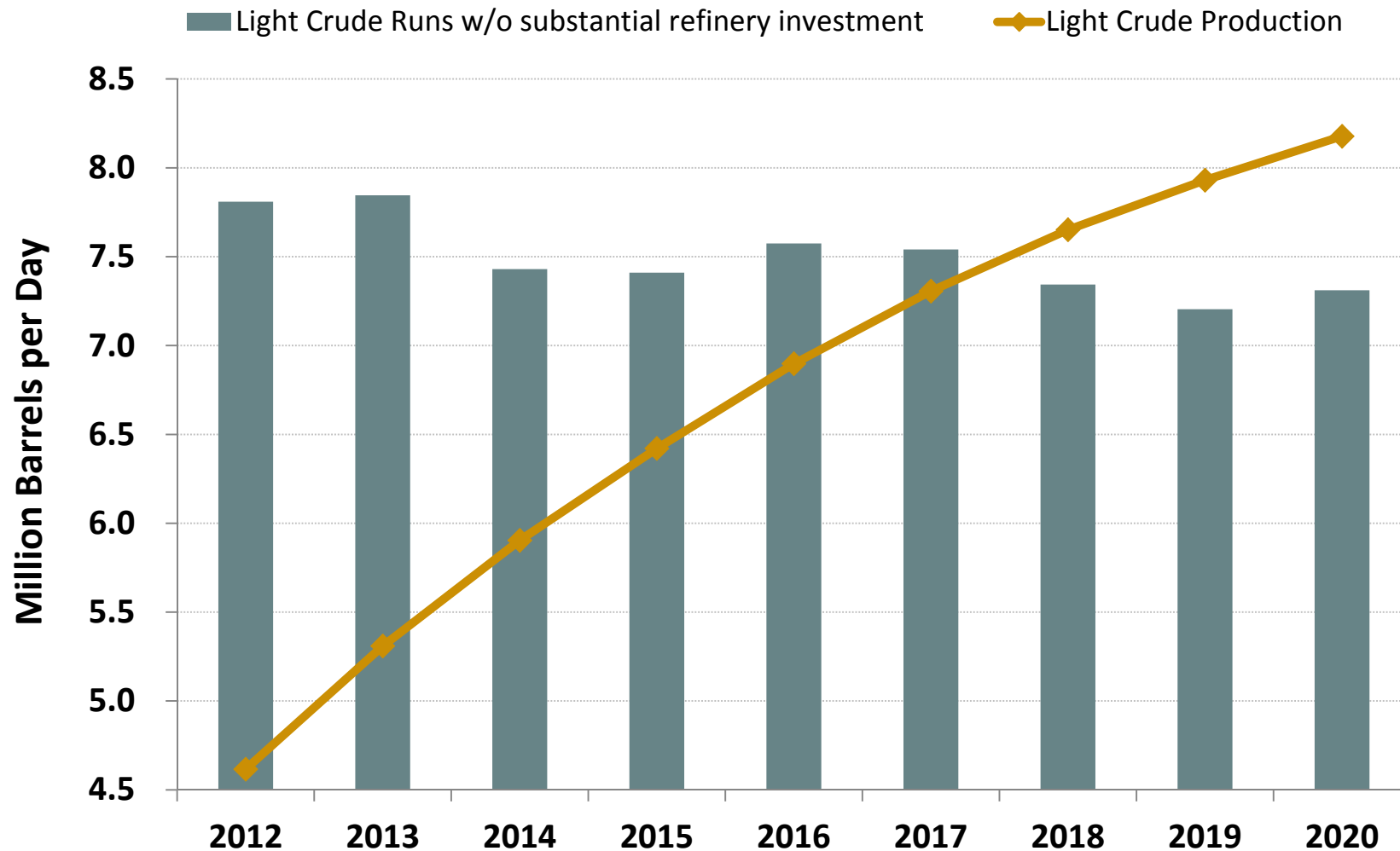


## Blending U.S. tight oil into larger world pool is a more efficient allocation



**Exporting U.S. LTO enables a more optimal global allocation of crude oils among refiners**

# U.S. Light Crude Oil Production vs. Light Refinery Runs

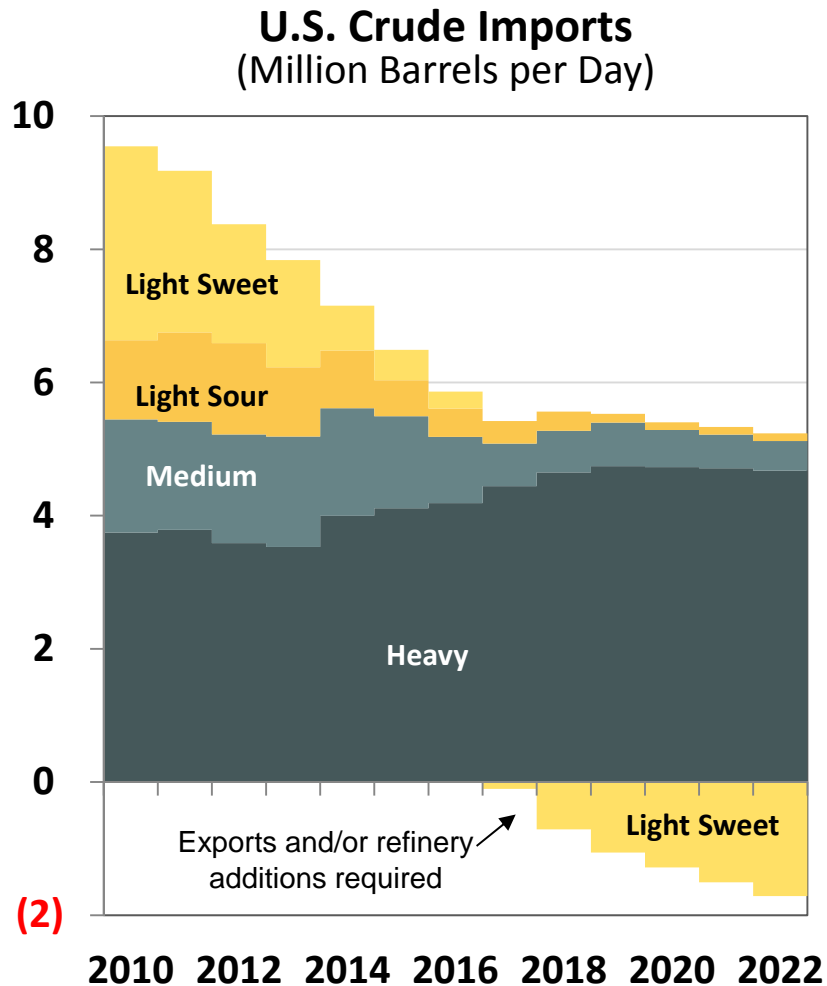


**Light crude production will eventually exceed refiner ability to process it without substantial refining investments or crude exports**

Source: Turner, Mason and Co., November, 2013, higher production case



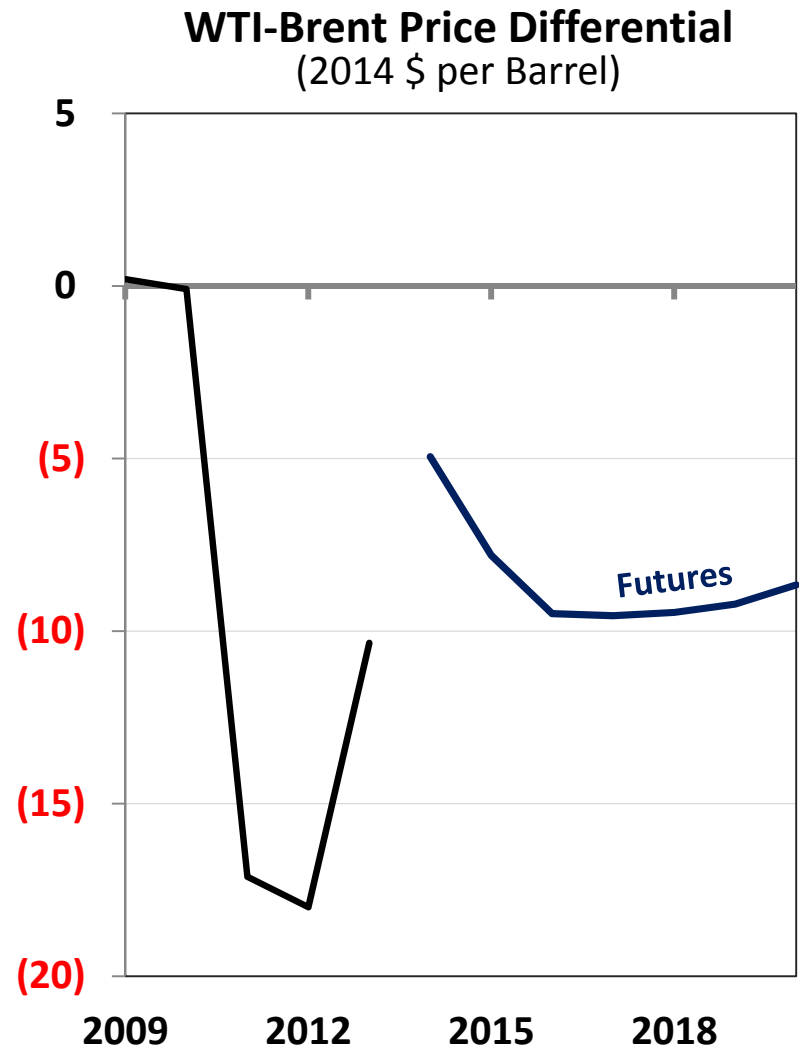
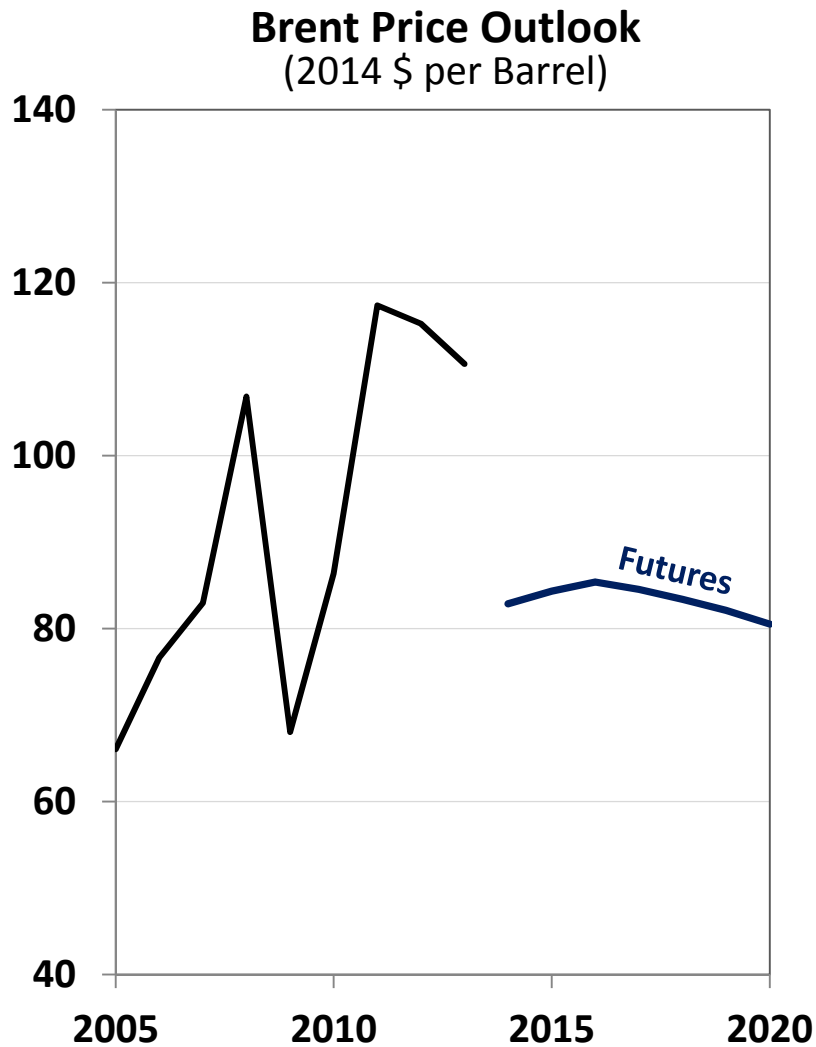
# Changing Pattern of U.S. Crude Imports



- Declining light, sweet crude imports, with year-round exports needed by 2017
  - Condensates and super-light crudes are already in surplus
  - Seasonal exports needed before then during U.S. refinery turnarounds / outages
- Eventual reductions in light, sour and medium crude imports
- U.S. likely to maintain heavy crude imports that better match domestic refinery configuration

**Light, sweet crudes are already in surplus seasonally**

# Crude Oil Futures Price Outlook



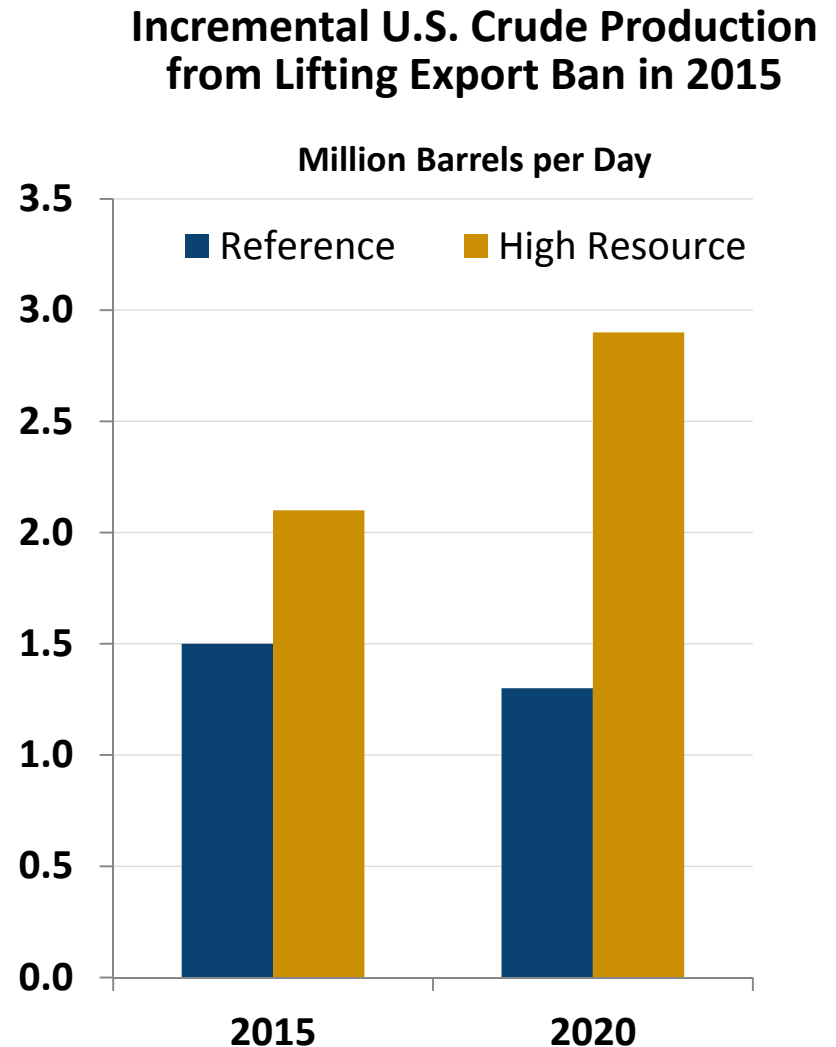
**Discounted domestic prices threaten investment in U.S. crude production**

Brent ICE and NYMEX WTI Futures as of 11/6/2014



# Ability to Export Crude Would Increase U.S. Oil Production

- Lifting the ban on crude exports would increase U.S. production by 1.5 to 3.0 MMBD by 2020
  - 10-20% increase
- Removing domestic crude price discounts caused by the ban would increase investment in new production
  - More wells and plays would become economic
  - Increased cash flow to invest



**Increased production would have significant economic benefits to the U.S.**

Source: NERA prepared for Brookings Institution, "Economic Benefits of Lifting the Crude Oil Export Ban," Sept. 9, 2014.

# Benefits of U.S. Crude Oil Exports

- Would lower consumer fuel costs at the pump by \$18 billion annually
- U.S. economy could gain \$135 billion and about one million jobs at its peak
- Reduce nation's oil import bill by \$67 billion annually
- Increase government revenues by \$1.3 trillion between 2016-2030
- Strengthen U.S. geopolitical position

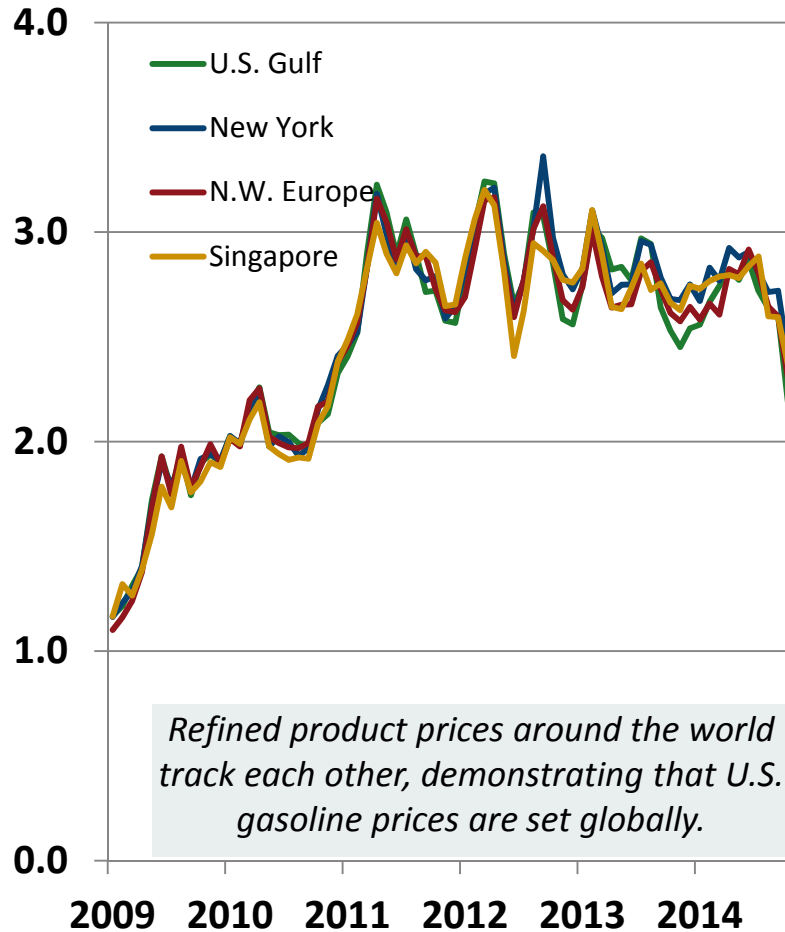


**More jobs & economic development would result from continued growth in U.S. oil production**

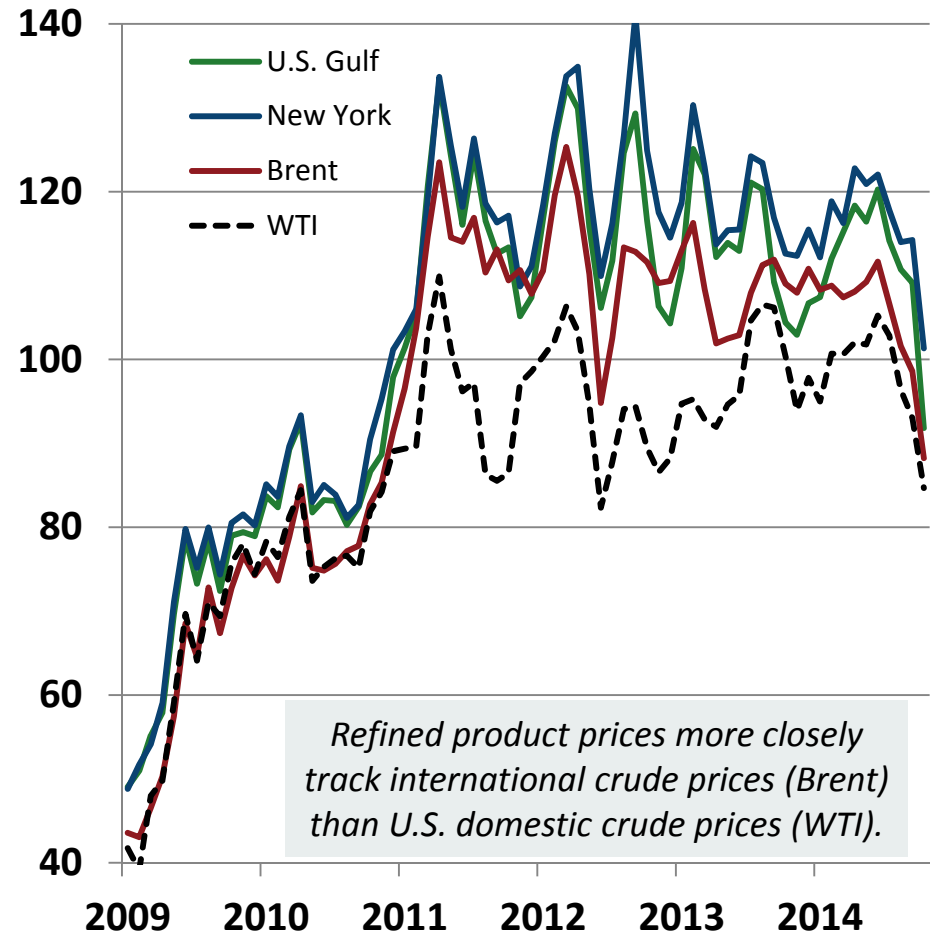
Source: IHS Global Inc., "U.S. Crude Oil Export Decision: Assessing the Impact of the Export Ban and Free Trade on the U.S. Economy," May 29, 2014

# Gasoline Prices Are Set Globally by International Crude Prices

## Spot Gasoline Prices (\$/Gallon)



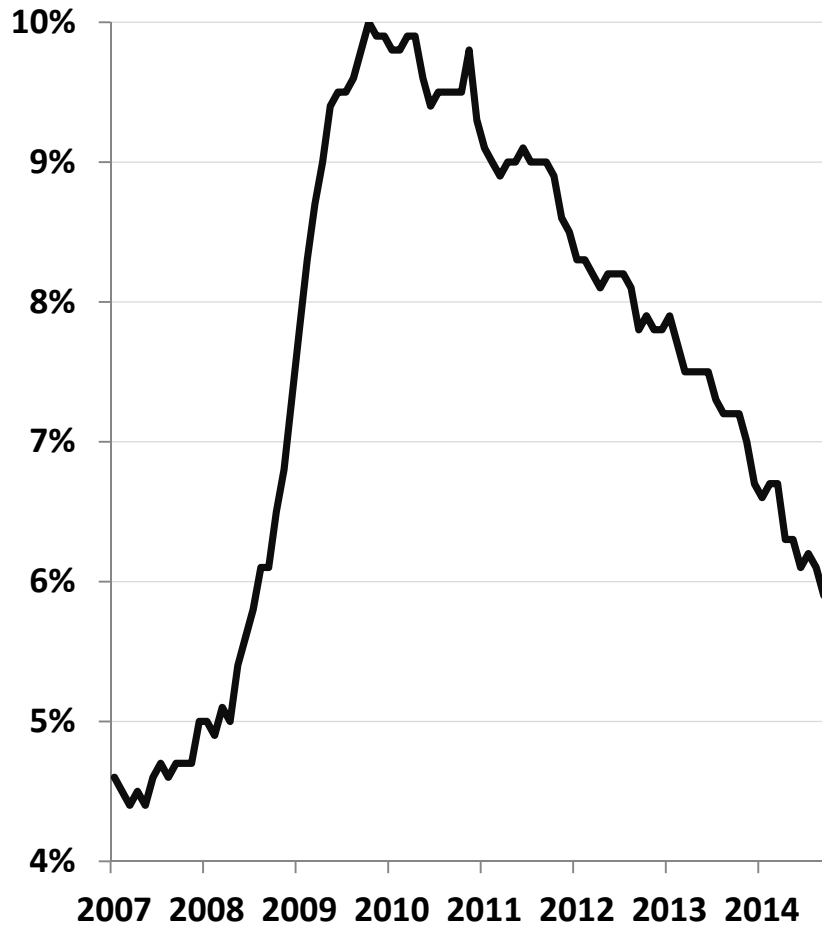
## U.S. Gasoline Prices vs. International & Domestic Crude Prices (\$/BBL)



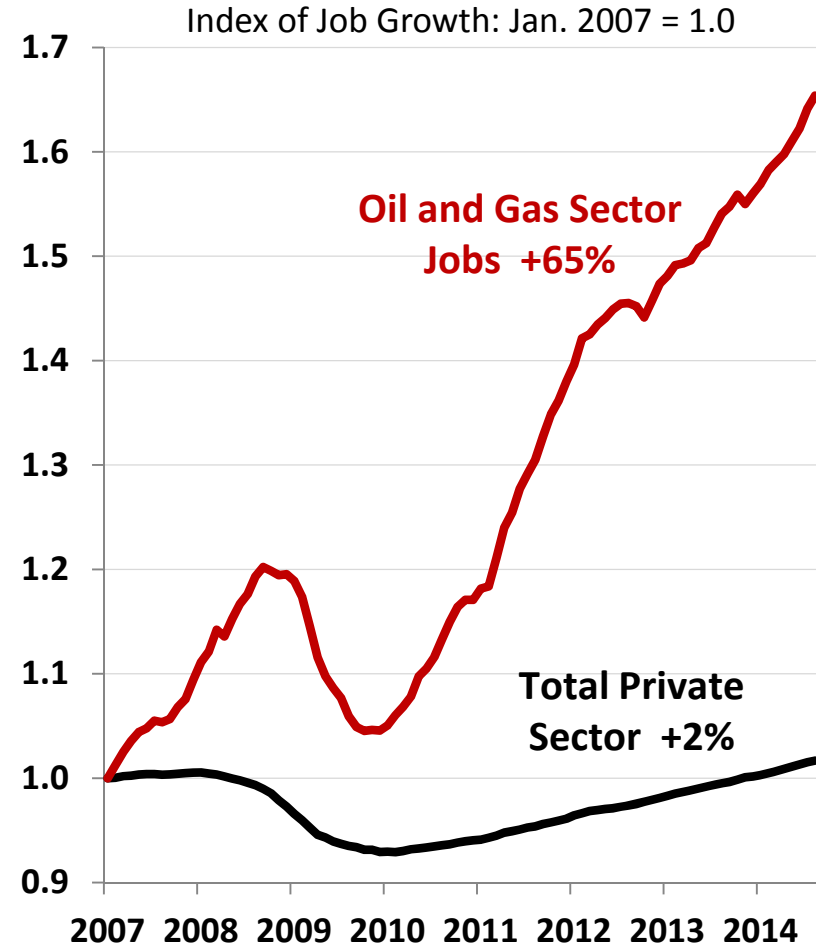
**U.S. crude exports should lower U.S. gasoline prices**

# U.S. Unemployment Rate vs. Oil and Natural Gas Employment

## U.S. Unemployment Rate



## Oil and Gas Sector Expanded While Other Sectors Lagged



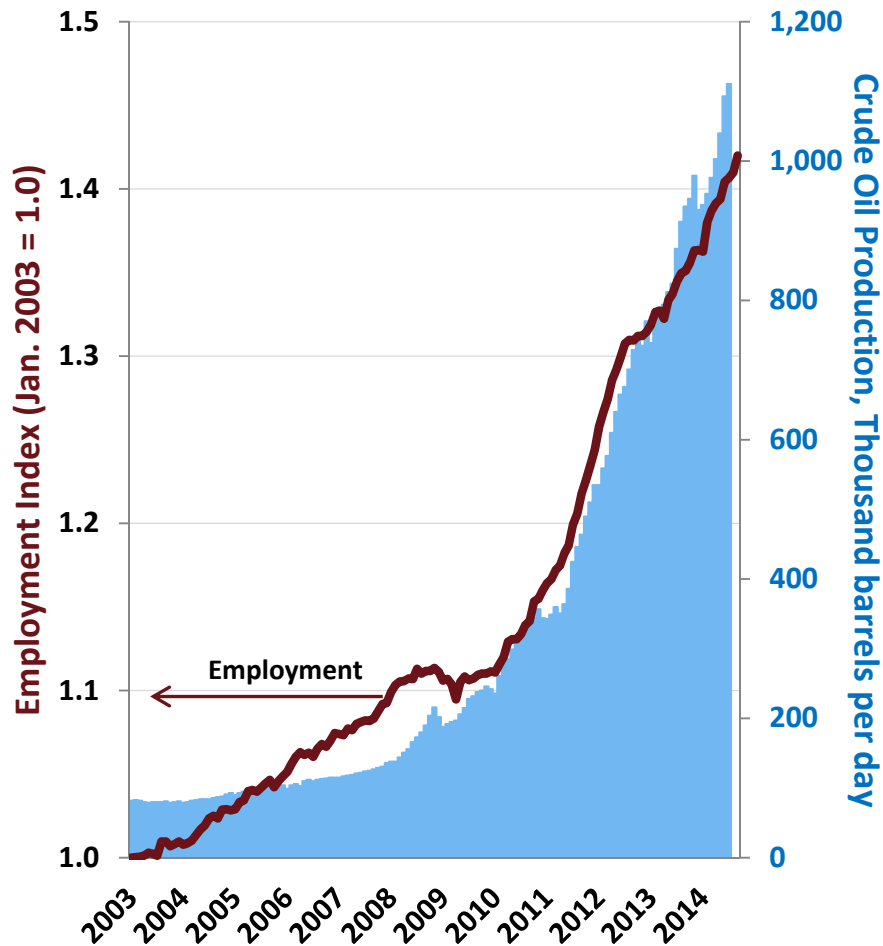
**Energy production prevented U.S. downturn from being worse, and spurred recovery**

Source: U.S. Bureau of Labor Statistics

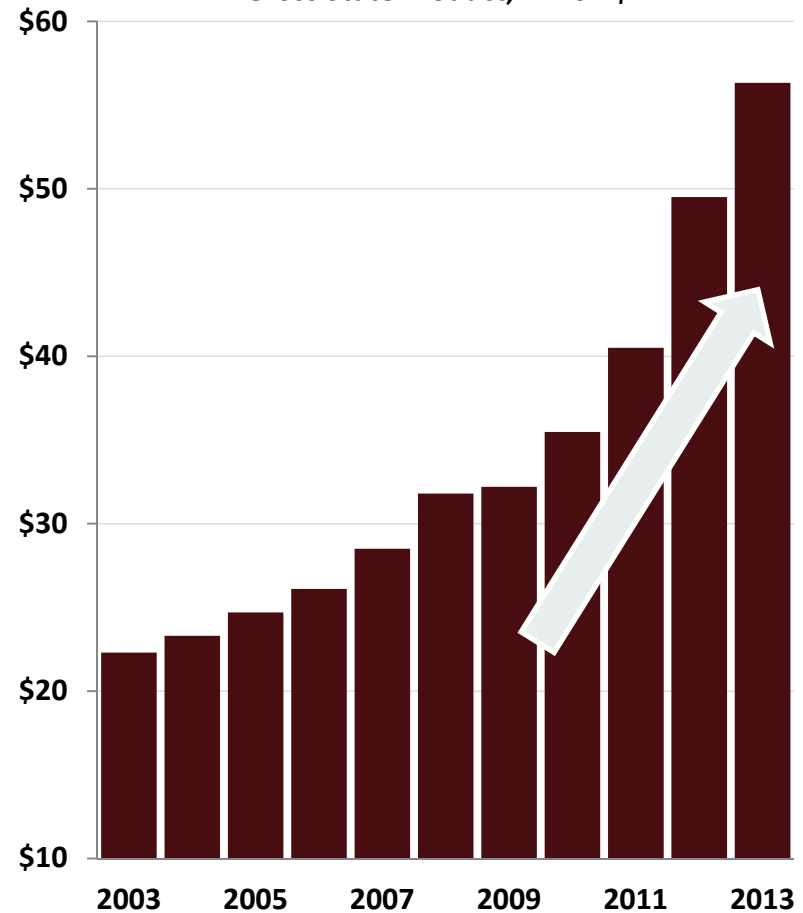
Source: U.S. Bureau of Labor Statistics (Total Private Sector Jobs, NAICS 211000 and 213112).

# North Dakota Employment and Economic Growth

**State of North Dakota Employment Up Over 40% as Bakken Developed**



**The State Economy More than Doubled in a Decade**  
Gross State Product, Billion \$



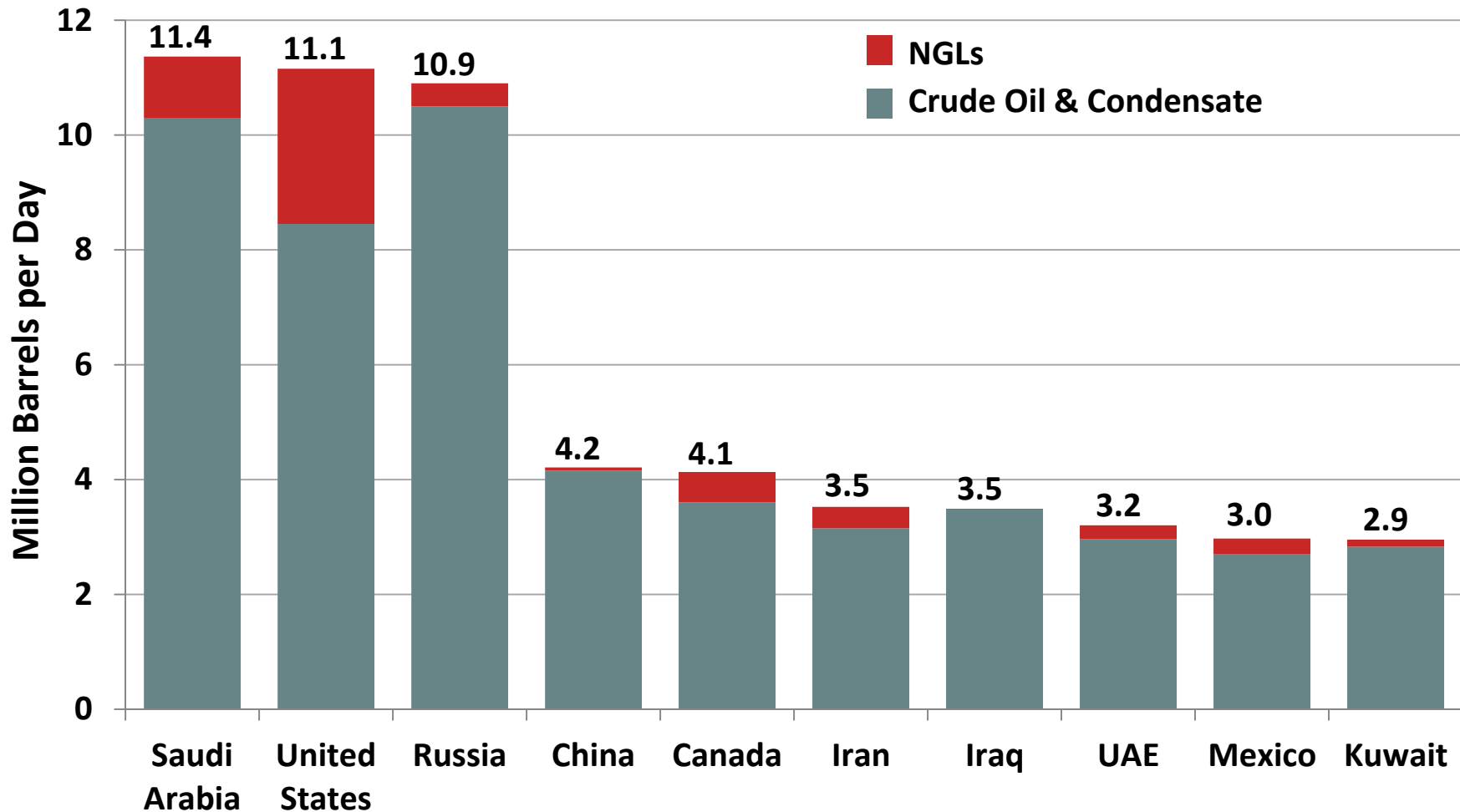
**State employment and economic growth tied to Bakken oil production**

Source: U.S. Bureau of Labor Statistics

Source: U.S. Bureau of Economic Analysis

# Growth in Production Restored U.S. Role as Oil Powerhouse

## Crude, Condensate and NGLs Production for Top 10 Countries, 2014



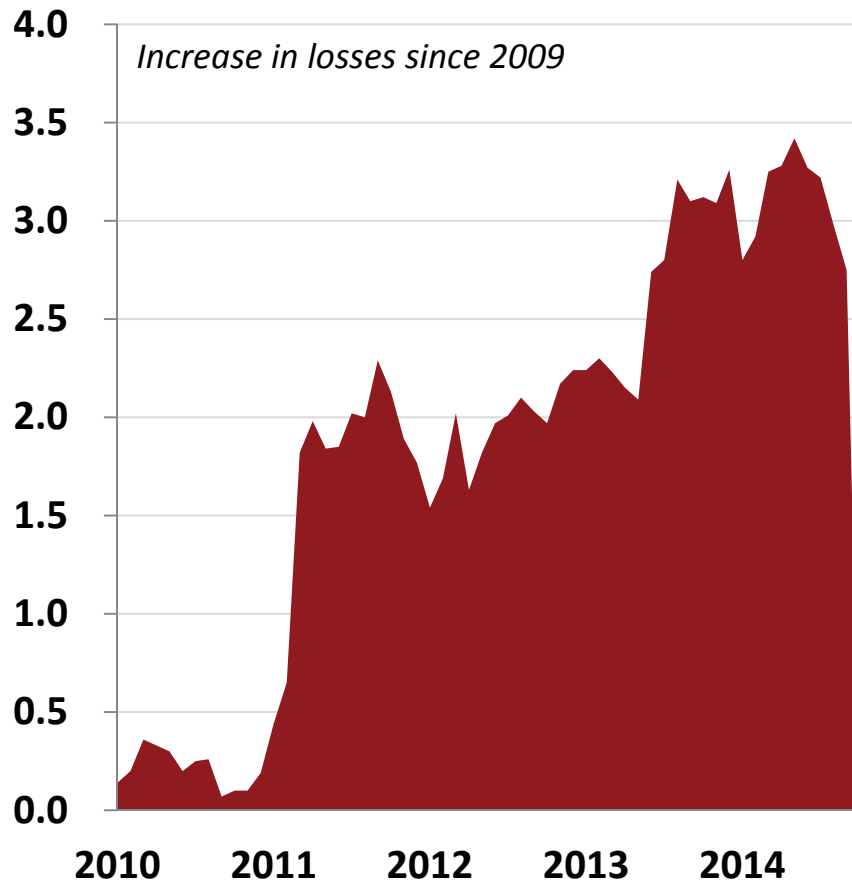
**U.S. will likely surpass Saudi Arabia over the next year**

OPEC Neutral Zone production split between Saudi Arabia and Kuwait

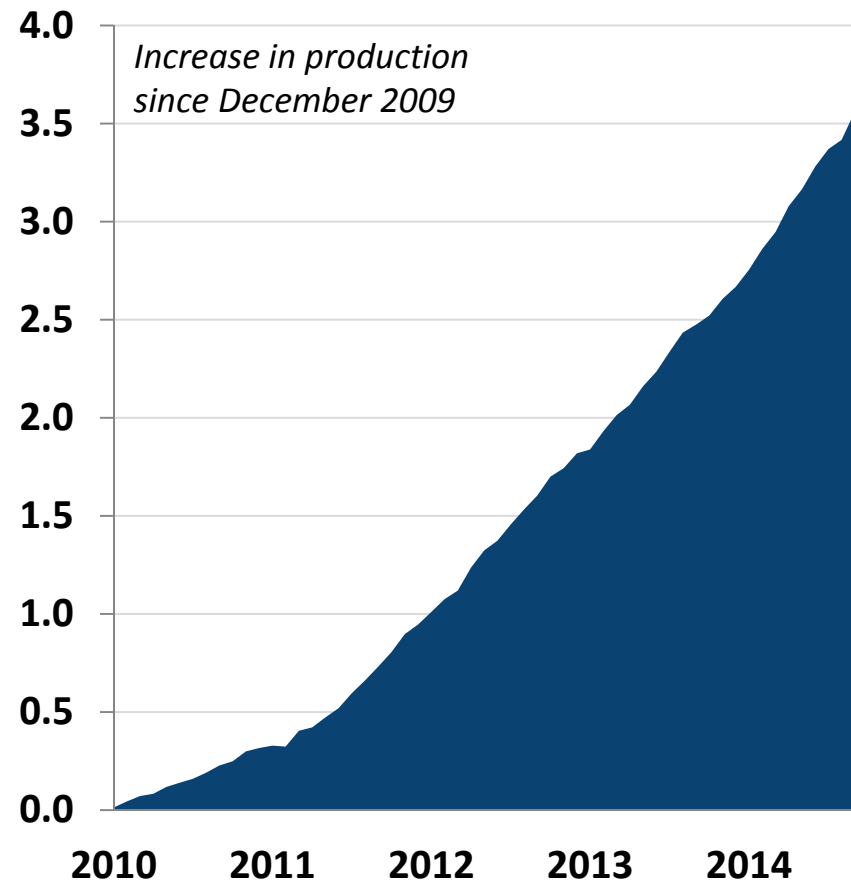
Source: Rystad Energy, November 2014

# Global Crude Supply Disruptions vs. U.S. Tight Oil Growth

## Growth in Global Supply Disruptions (MMBD)



## Growth in U.S. Tight Oil Production (MMBD)



**U.S. tight oil production growth has offset most of the global supply disruptions**

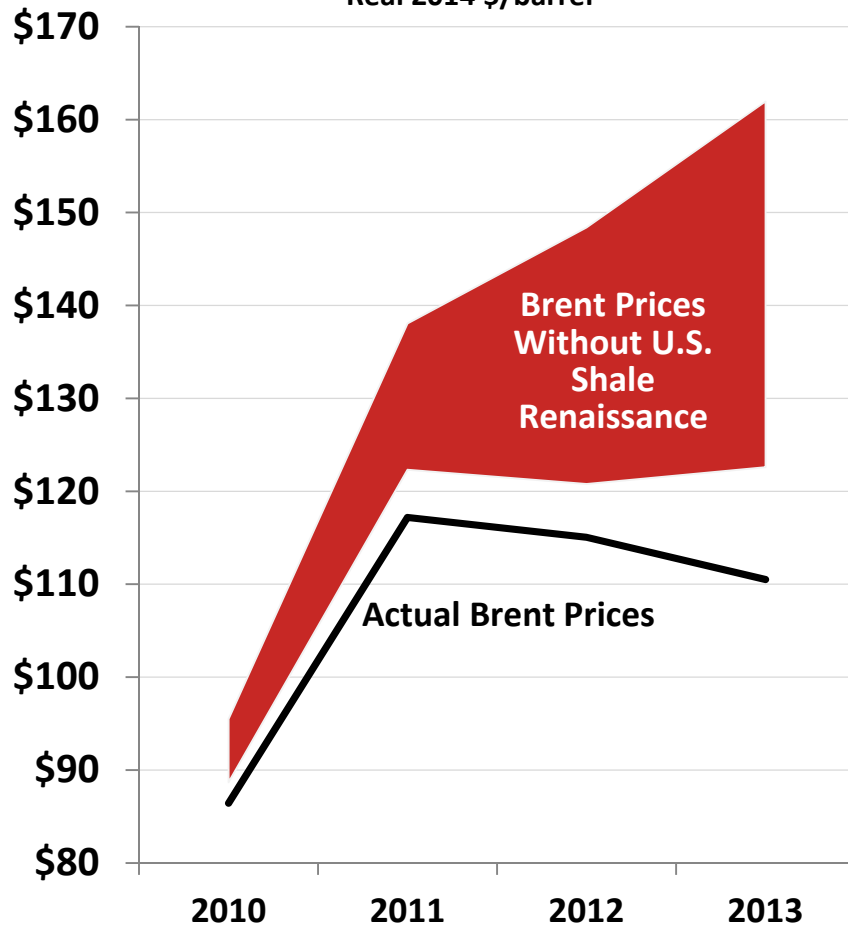
Source: U.S. Department of Energy, EIA



# U.S. Oil Production Prevented Higher Prices in Recent Years

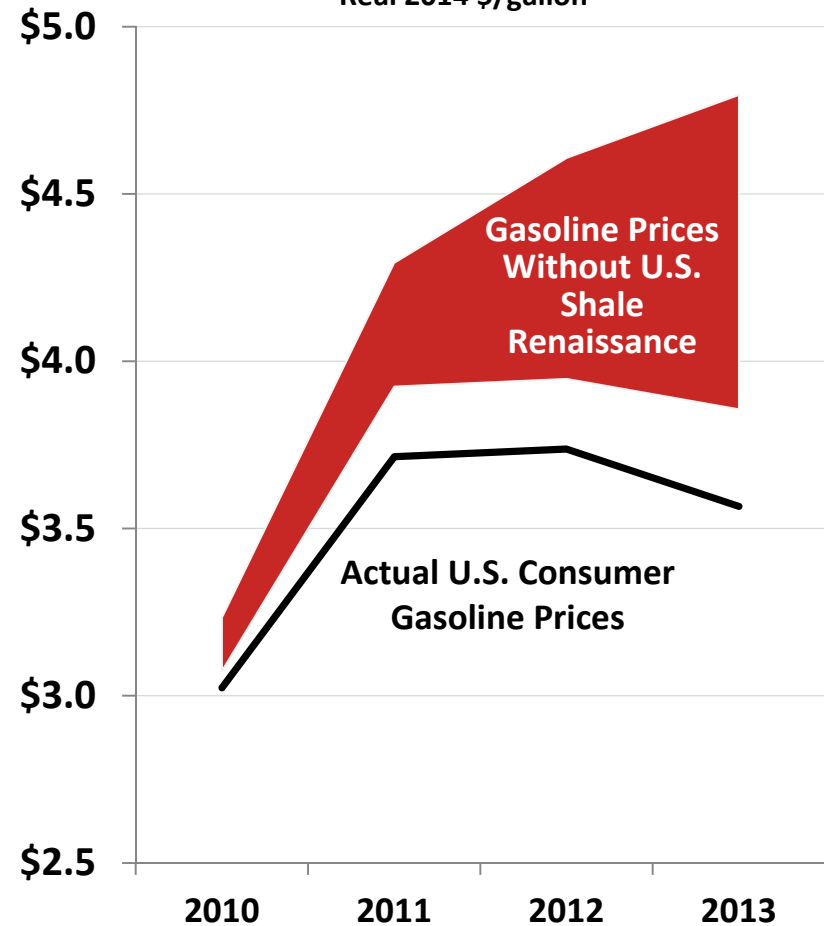
**Brent Crude Oil Prices Would Have Been \$12 to \$40 per Barrel Higher in 2013**

Real 2014 \$/barrel



**U.S. Consumer Gasoline Prices Would Have Been \$0.30 to \$0.94 per Gallon Higher in 2013**

Real 2014 \$/gallon

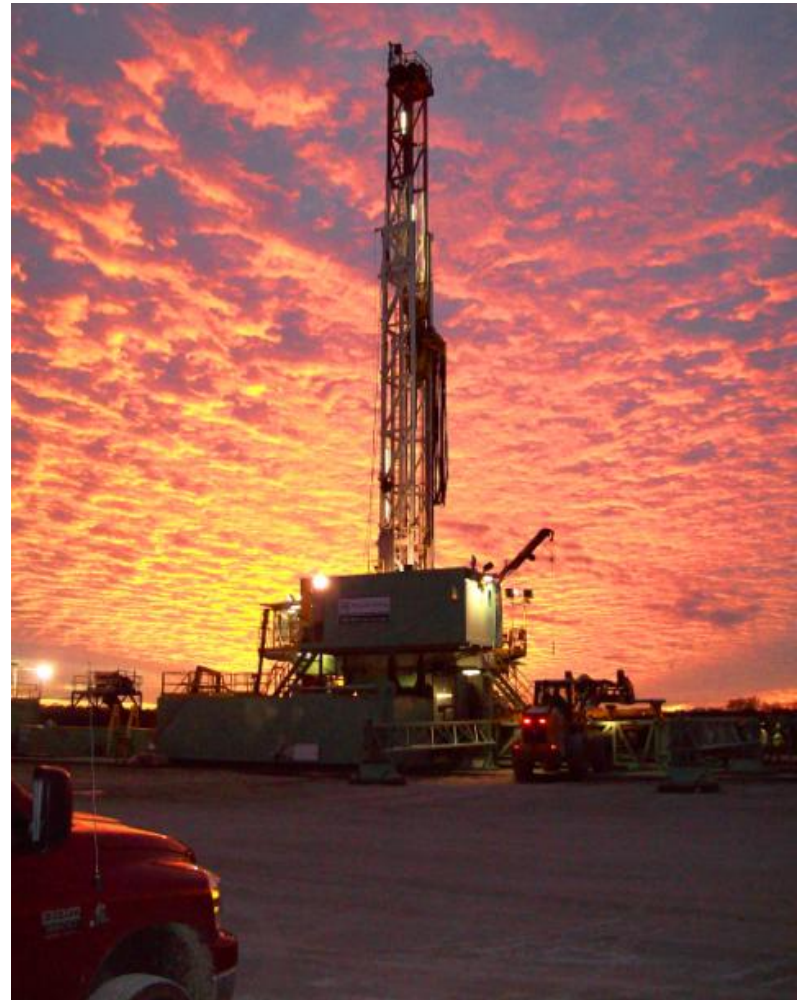


**Rising U.S. production has enhanced global oil security and affordability**

Source: ICF International for American Petroleum Institute, October 30, 2014

## U.S. Crude Oil Exports – Summary

- New abundance of light, low-sulfur tight oil production in the U.S.
- Offers tremendous economic and security benefits to the country
- Mismatch with U.S. refinery configuration presents a challenge
- Threatens to stunt tight oil development and its benefits to the U.S.
- U.S. crude exports provide a solution





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