



# The United States' Evolving Role in Asian Energy Security

Hint—It's no longer just about sea lane security.



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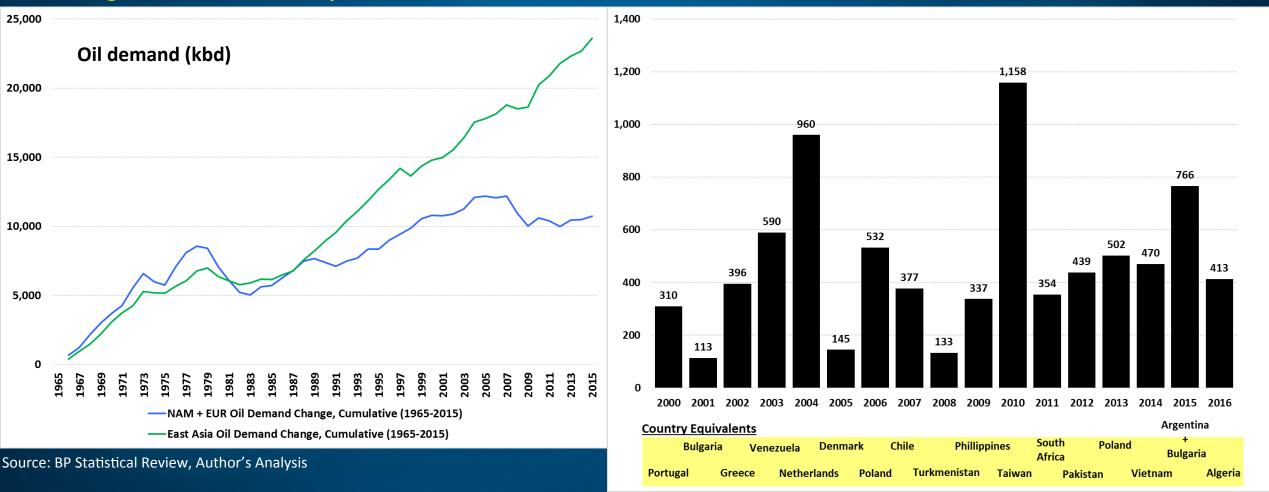
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#### What is the U.S. Stake in Asian Energy Security Issues?

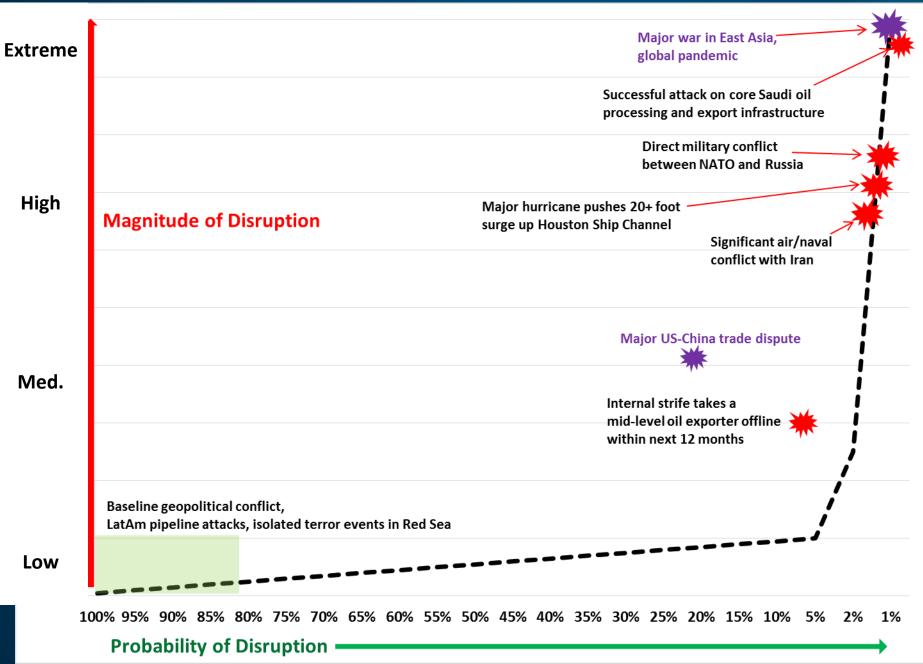
Ensuring stable energy supplies to major global economic growth drivers, some of which are U.S. treaty allies, is a major strategic priority.

Region Has Become Top Global Oil User

#### **China is the Prime Demand Driver in Recent Years**



#### **Thinking About Oil and Energy Security**



Obsession with the far end of the curve often drives policy.

Hard security focuses on and also creates energy security concerns, but the policy solutions encompass multiple domains. Many of these potential threat events—particularly the highest impact ones—are best resolved through proactive diplomacy and passive resilience measures. Energy security is inherently a multi-national enterprise that involves a broad range of commercial and governmental actors.

#### Large-Scale Energy Shocks Analogous to Rogue Waves

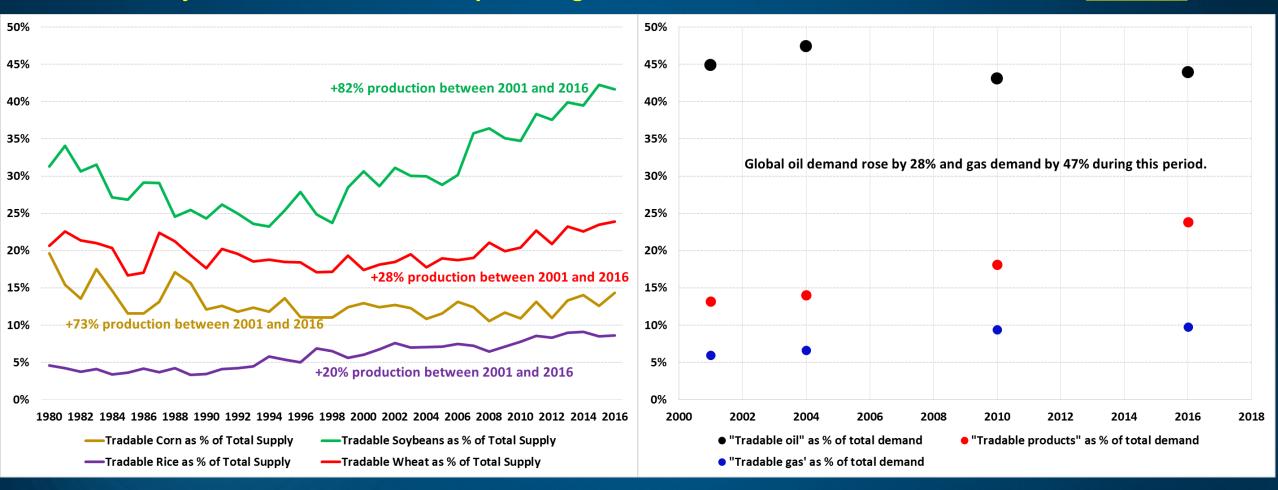


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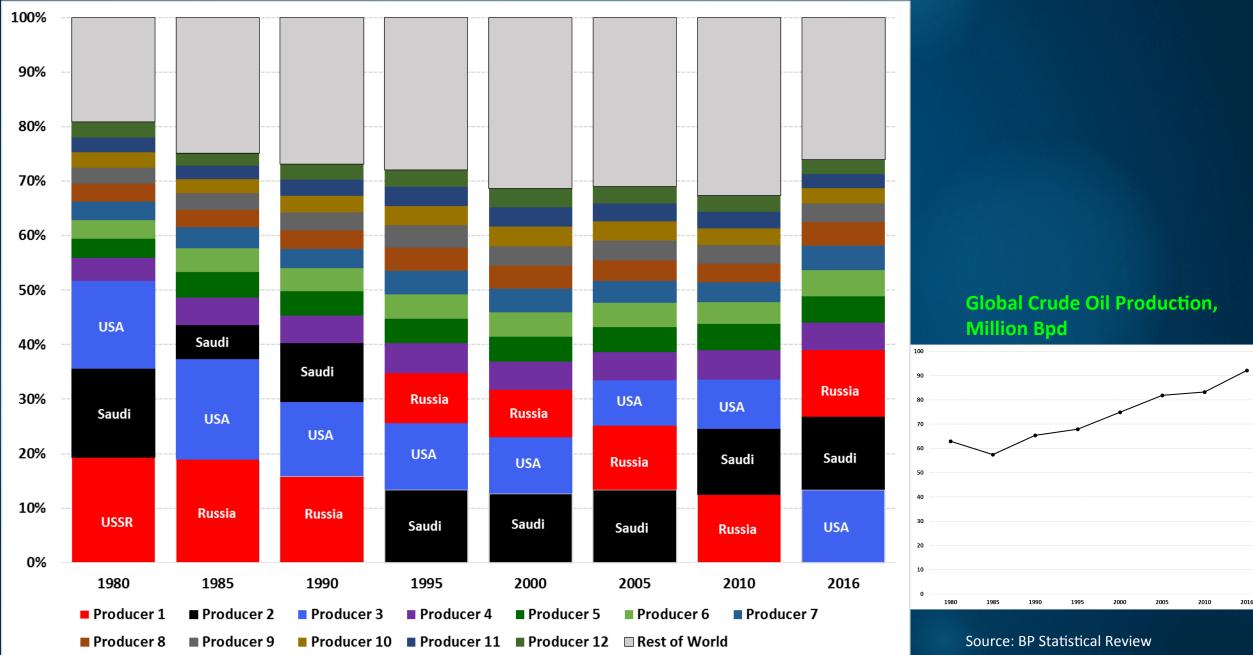
#### **Fungible Supplies Help Ensure Oil Security**

#### Oil is not just one of the most widely traded global commodities...it is also one of the most tradable.

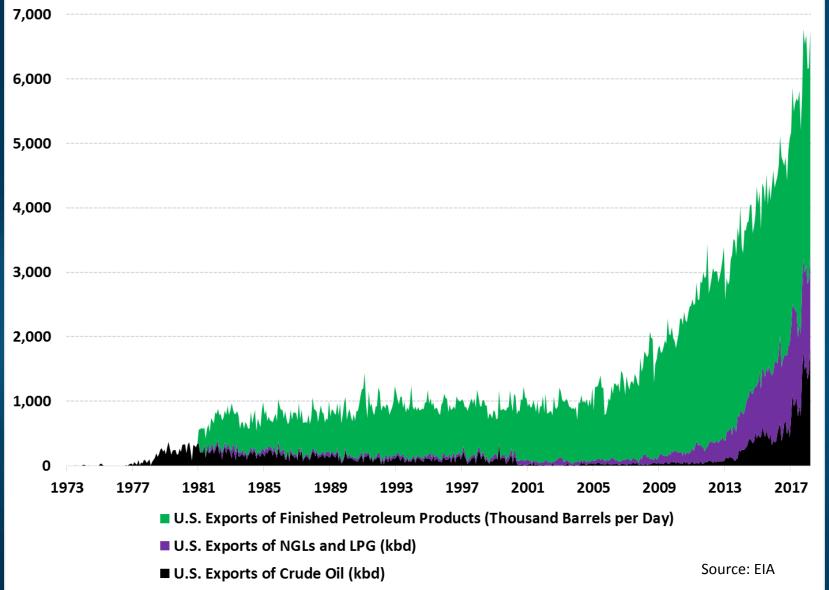


Source: BP Statistical Review, USDA, Author's Analysis

### 10 Largest Oil Suppliers' Share of Total Crude Supply: 1980-2016

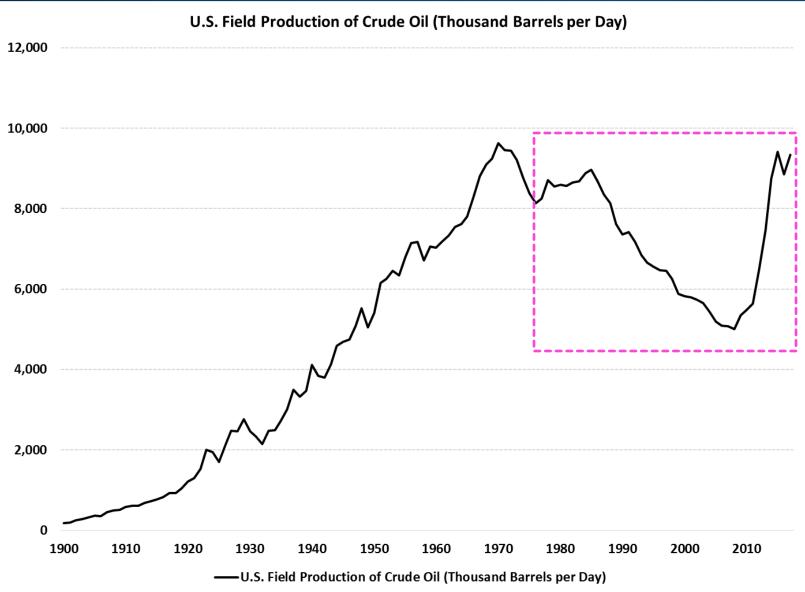


## The U.S. Has Long Supplied Military Assurance For Global Oil & Gas Flows: Now It Supplies Molecules as Well



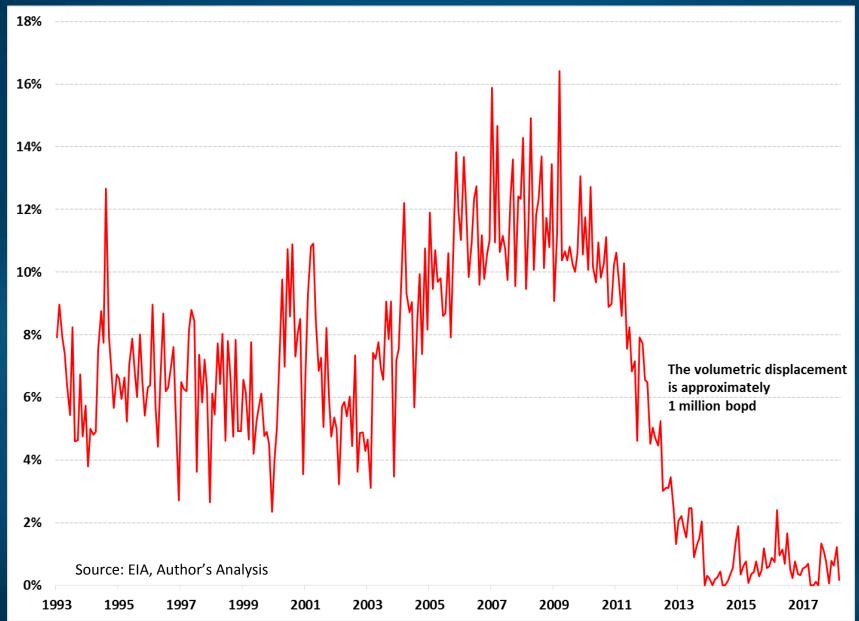
### Perhaps the Biggest Recent US Oil Security Contribution May be the "Passive"

#### One

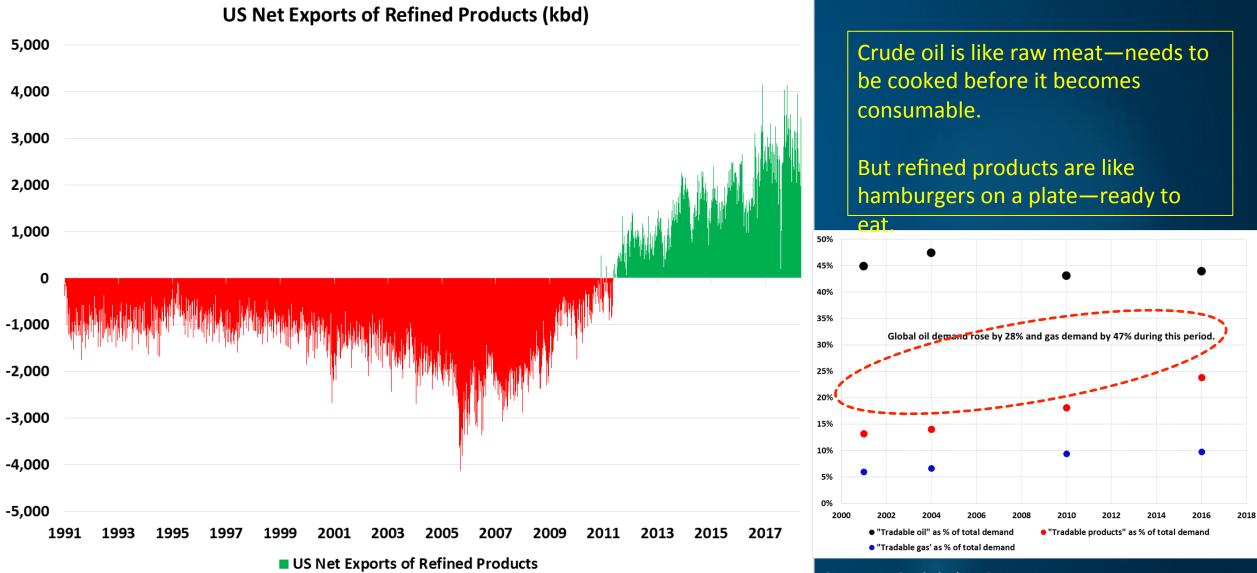


#### Passive Influence Exerted Through Displacement of Barrels

West African Crude Oil Supplies as % of Total Refinery Input Volumes in PADD 3 (a/k/a the U.S. Gulf Coast)

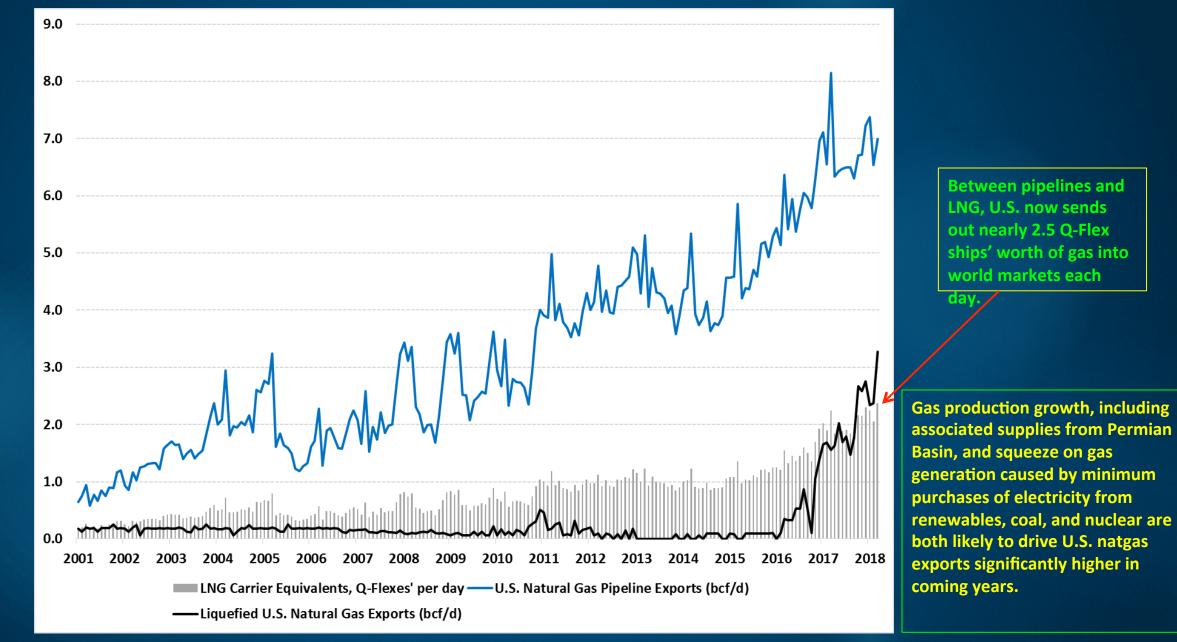


# The Shale Revolution Has Also Made the U.S. a Key Global Refined Products Supplier

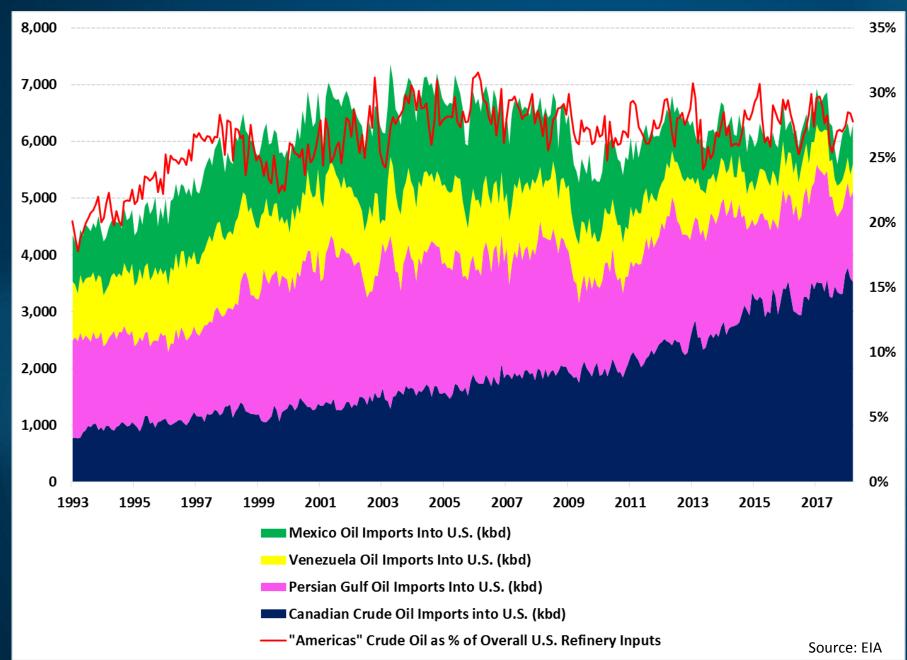


Source: BP Statistical Review, EIA

#### **Displacement Function Also At Play in Natural Gas Sector**

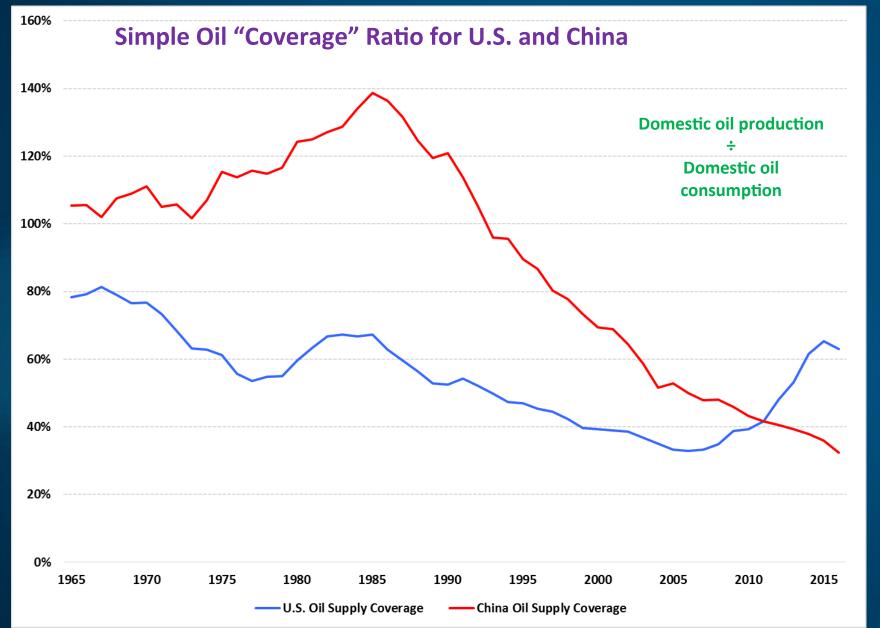


#### **Canada Has Played a Significant Role as Well**



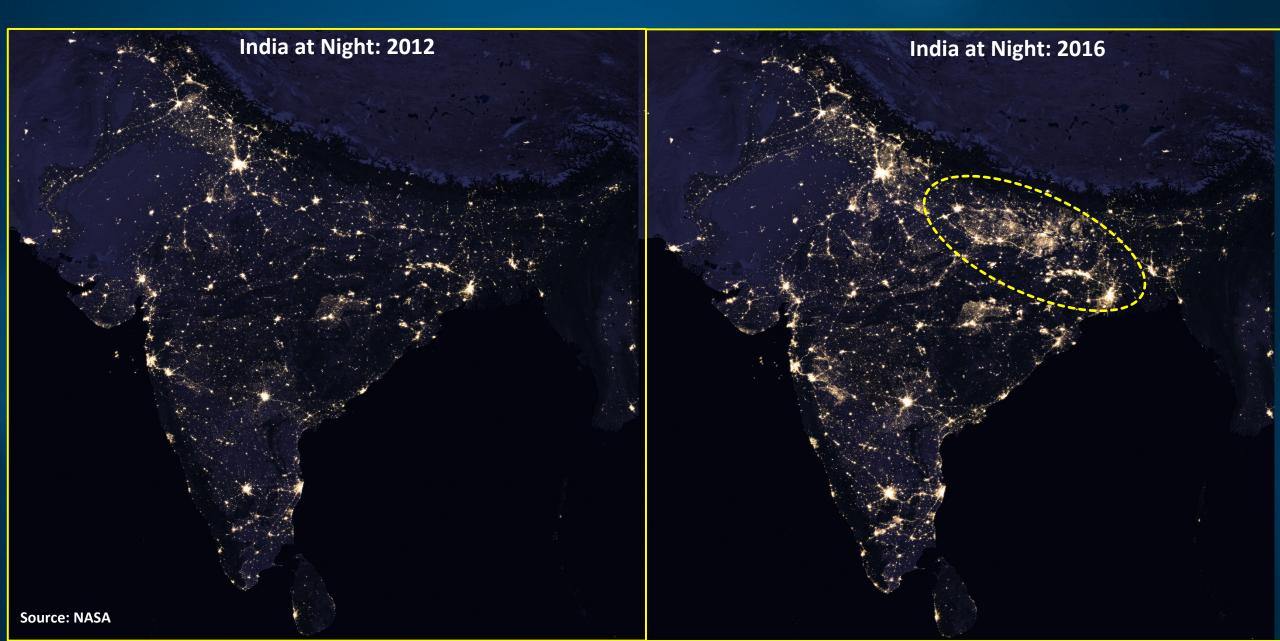
At a fundamental level, U.S. refiners are combining Canadian and other Western Hemisphere heavy crudes with abundant domestic natgas supplies to yield high-quality refined products that are then exported. Western Hemisphere oil supplies are likely to become much more important to global crude and products markets in coming years.

#### How is Unconventional Revolution Affecting U.S. and Chinese Stances Toward Oil Market Issues?



Source: BP Statistical Review, 2017

### **Energy Security: Where You Sit Influences Where You Stand**



# Thank you for your attention!

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