

THE UNIVERSITY OF TEXAS AT AUSTIN



SHOWCASING  
**THE WORLD'S PREMIER  
ENERGY UNIVERSITY**

**Jan 29 – Feb 2, 2018**  
ETTER-HARBIN ALUMNI CENTER  
AUSTIN, TEXAS

## Natural Gas' Future as a Versatile Global Commodity

# The panel



<b>Dr. Carey King</b>	Assistant Director	Energy Institute (UT)
<b>Jason Feer</b>	Global Head of Business Intelligence	Poten & Partners.
<b>Corey Grindal</b>	Senior Vice President, Gas Supply	Cheniere Energy, Inc.
<b>Richard Chuchla</b> <i>(moderator)</i>	Director / EER graduate program	Jackson School / UT

# Our engagement plan

## 4 x 10 minute presentations

King (perspectives from a mature electricity economy)

Feer (structural shifts in the LNG market)

Grindal (the U. S. LNG business)

2:00 – 2:40

## Panel discussion

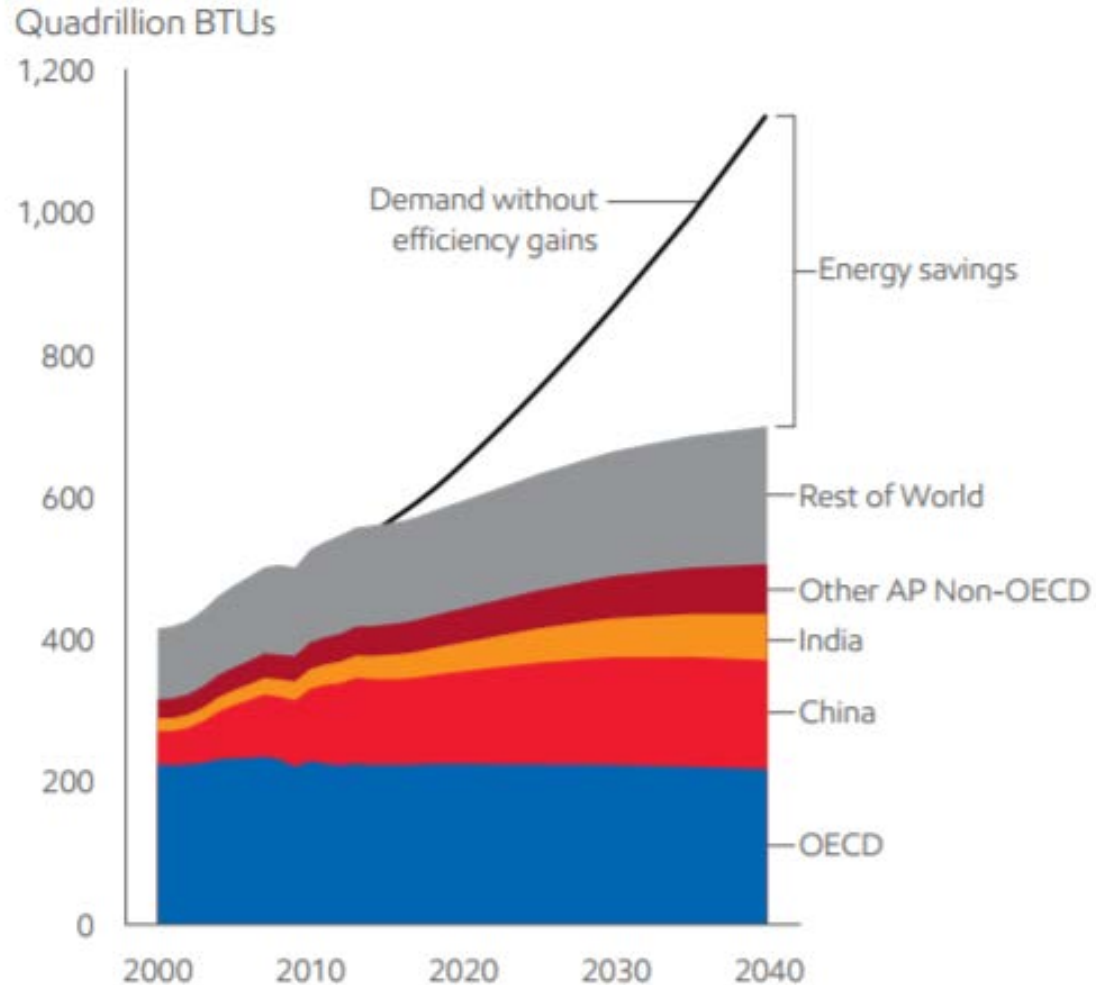
2:40 – 3:00

## Q from the floor

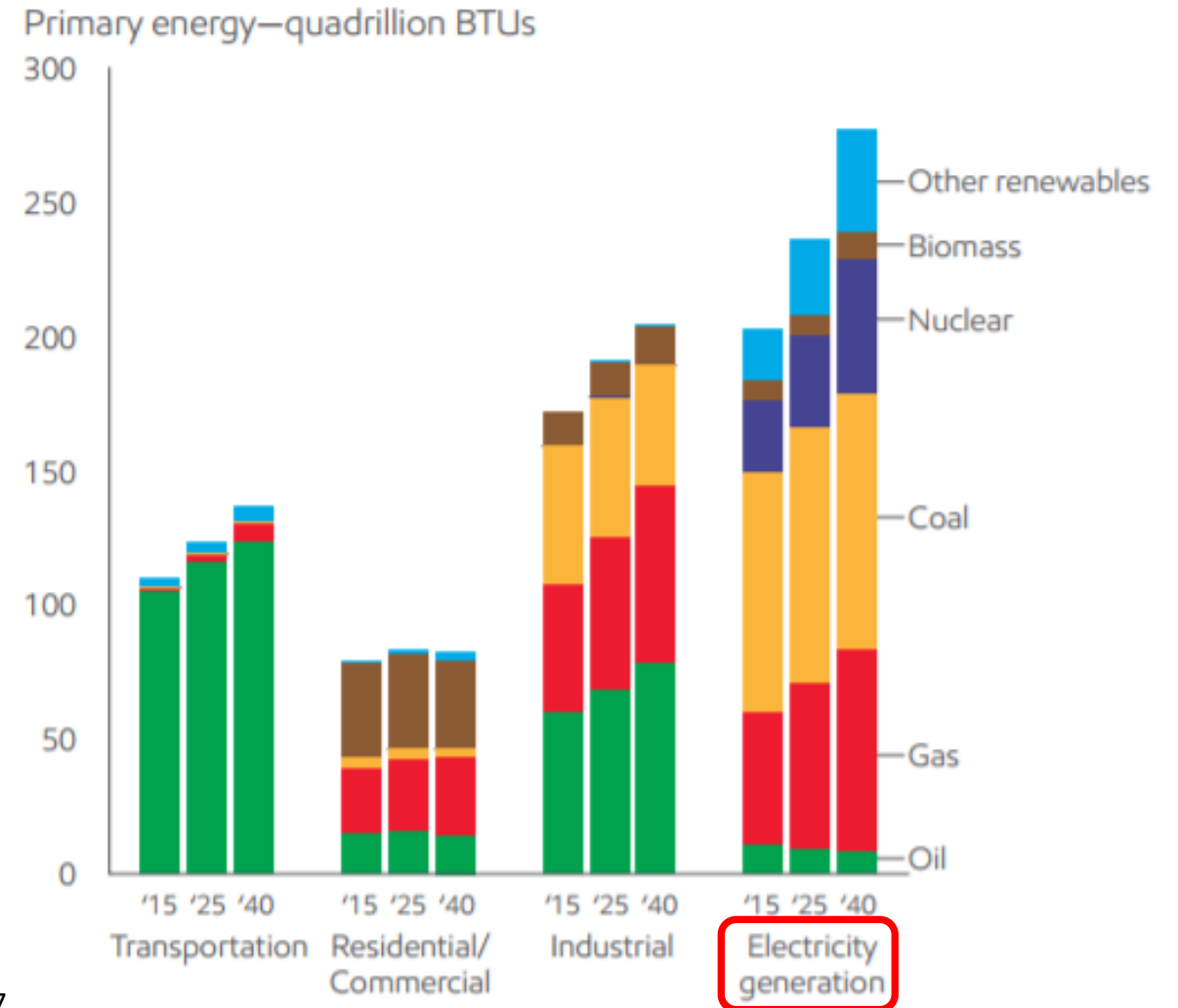
3:00 – 3:15



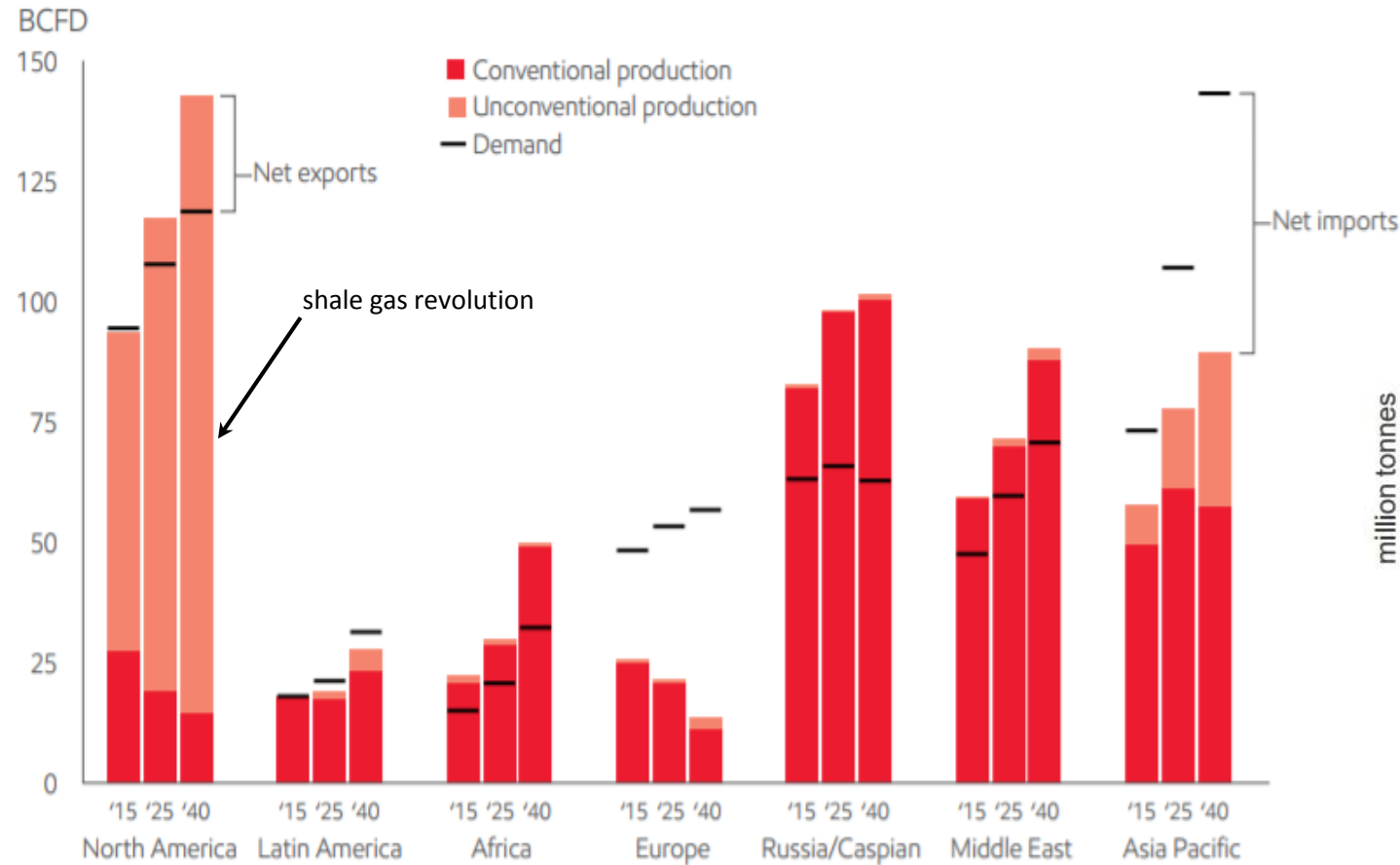
# Global energy consumption



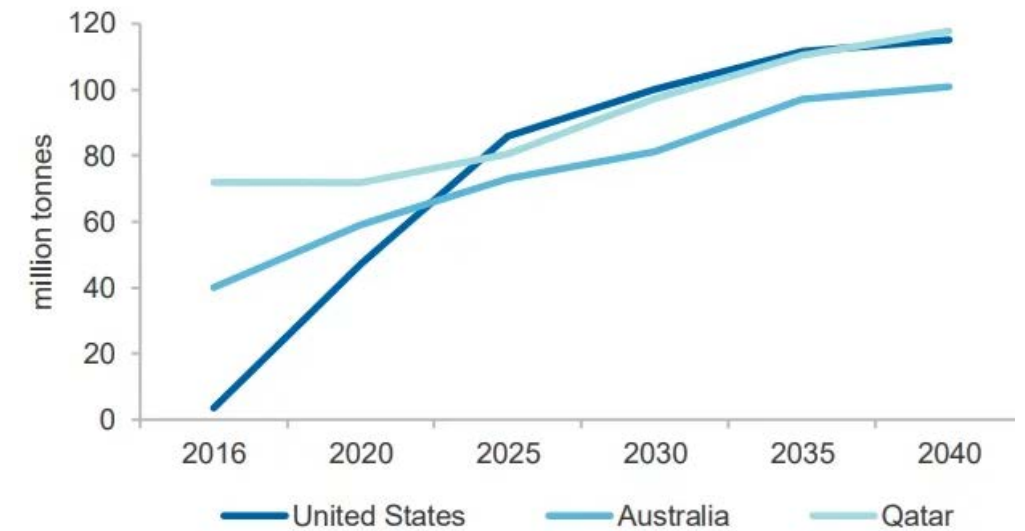
ExxonMobil, 2017



# NG supply, demand and flows



ExxonMobil, 2017



IEA, 2017



India's missing middle

# India has a hole where its middle class should be

The Economist, Jan, 2018



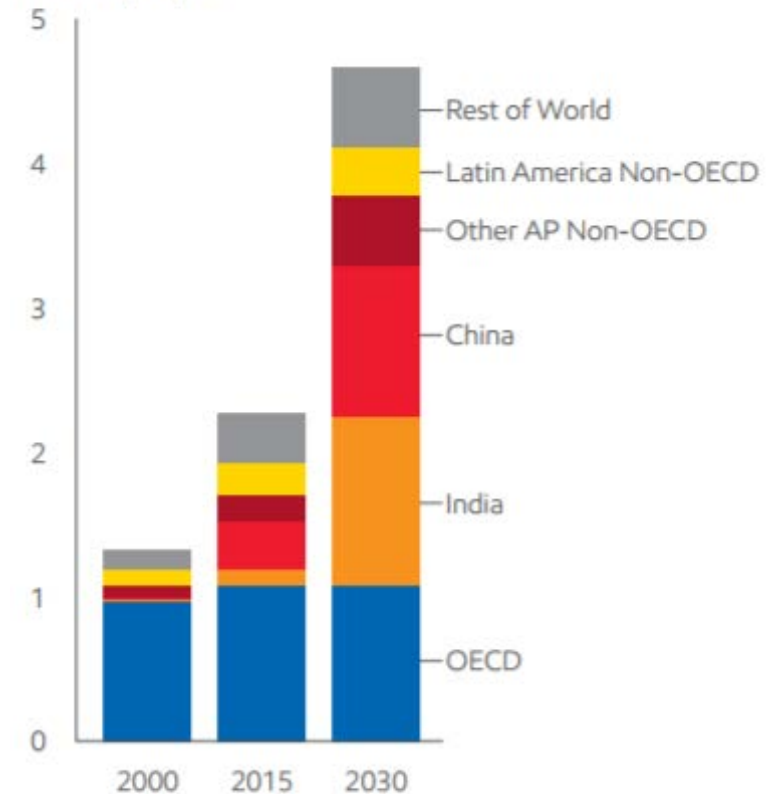
## 6 surprising facts about India's exploding middle class

World Economic Forum, Nov, 2016



## Middle-class expansion accelerates

Billion people

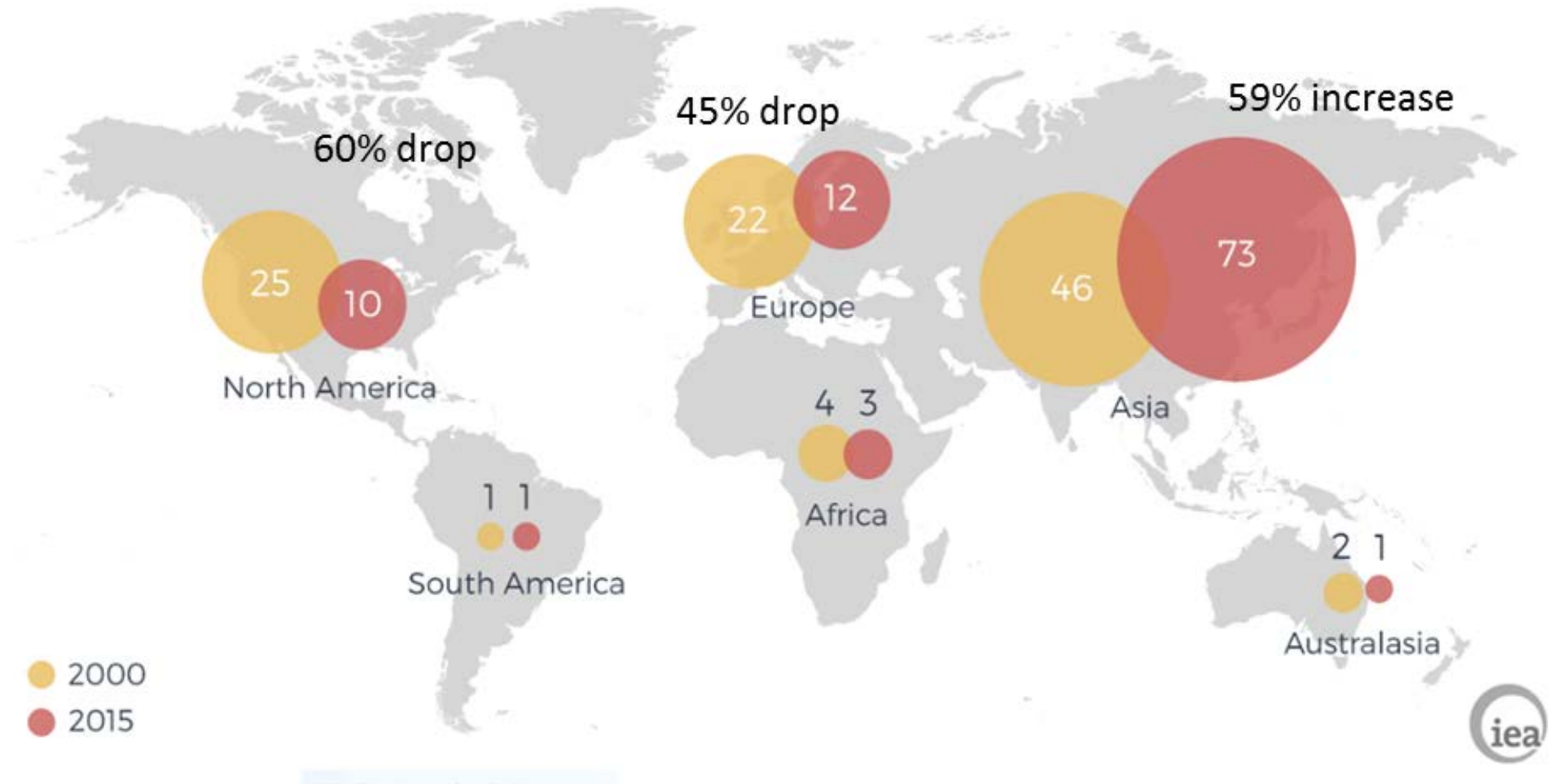


Source: The Brookings Institution

ExxonMobil, 2017

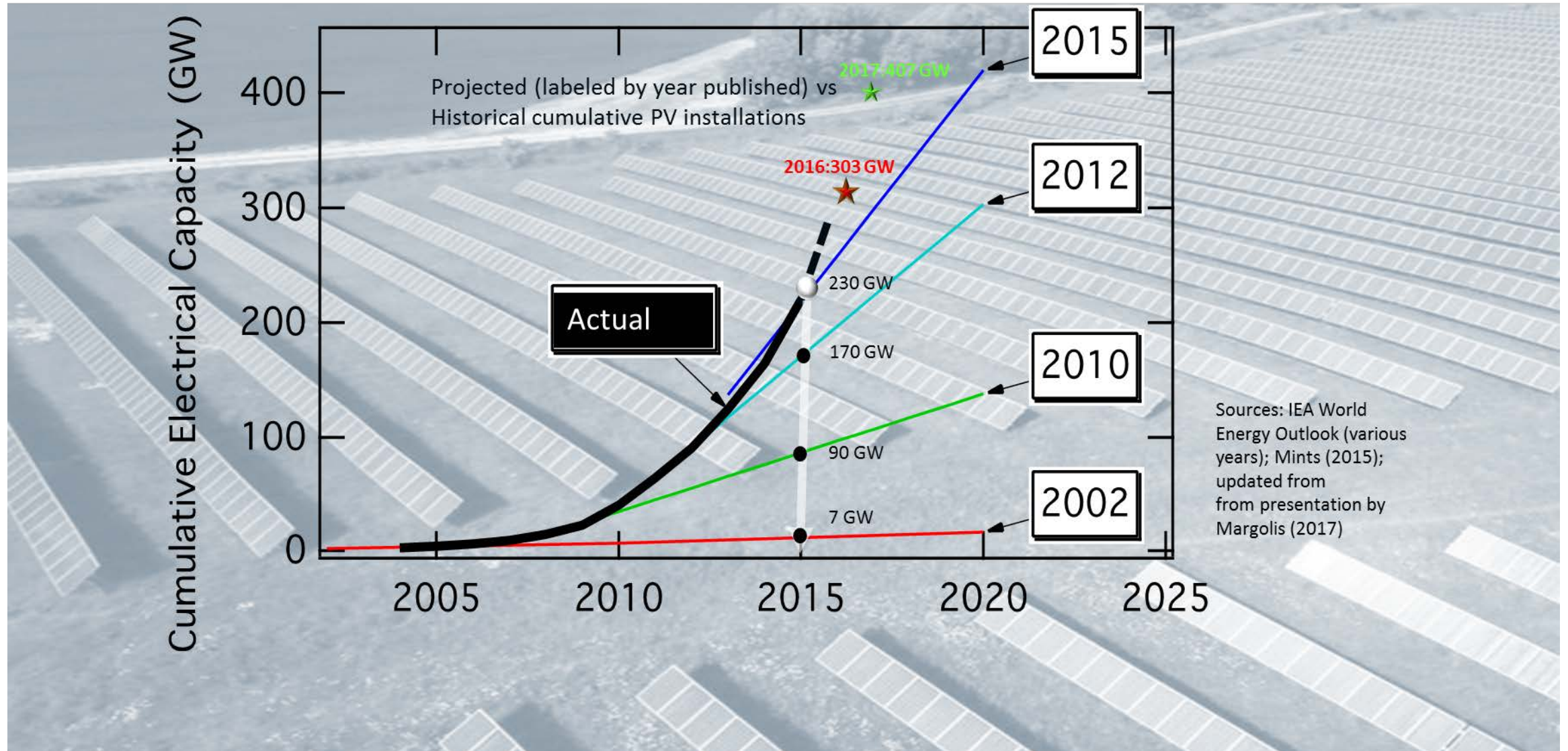
# U. S. energy demand fuel type vs. time

## Percentage share of global coal consumption





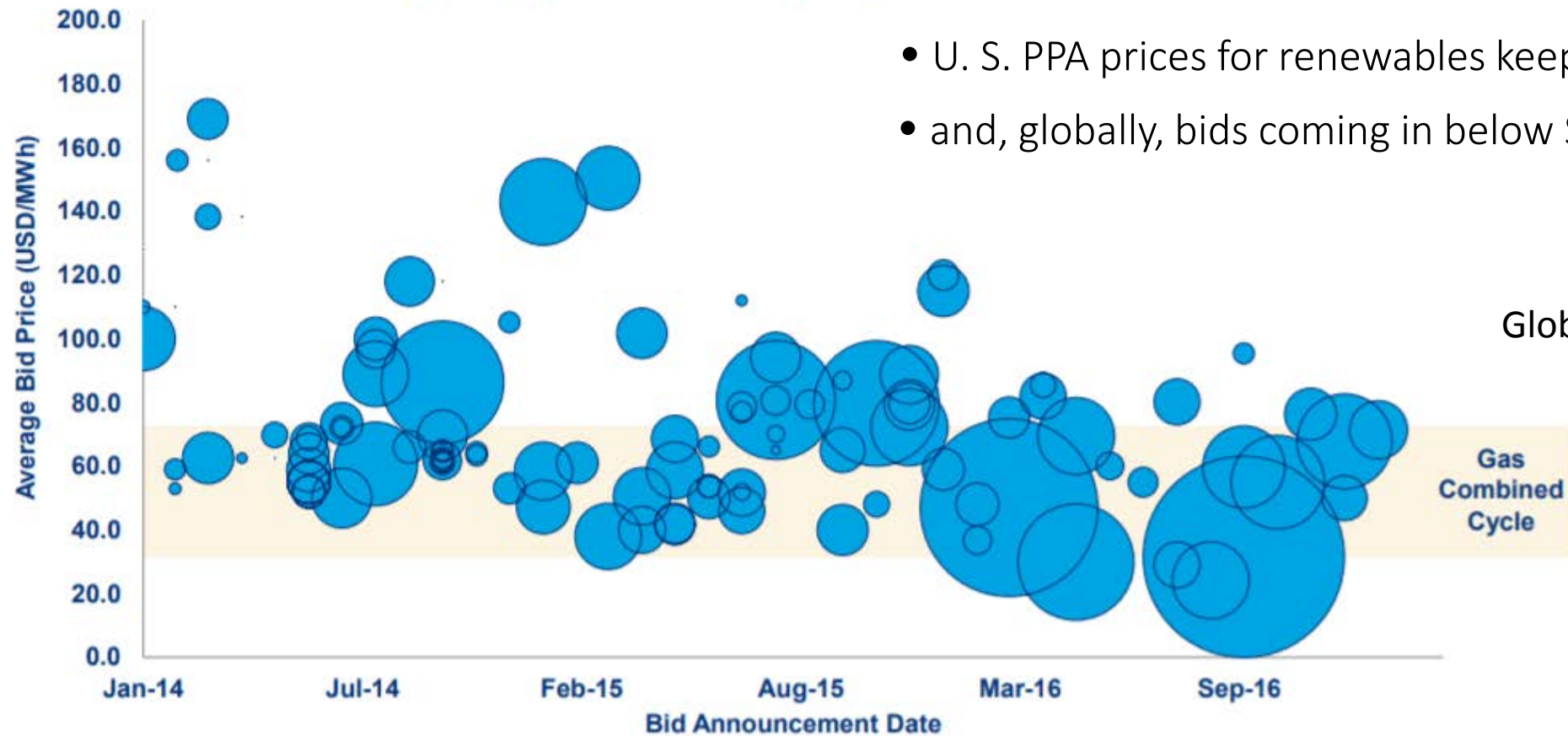
# Solar PV: global installed capacity evolution





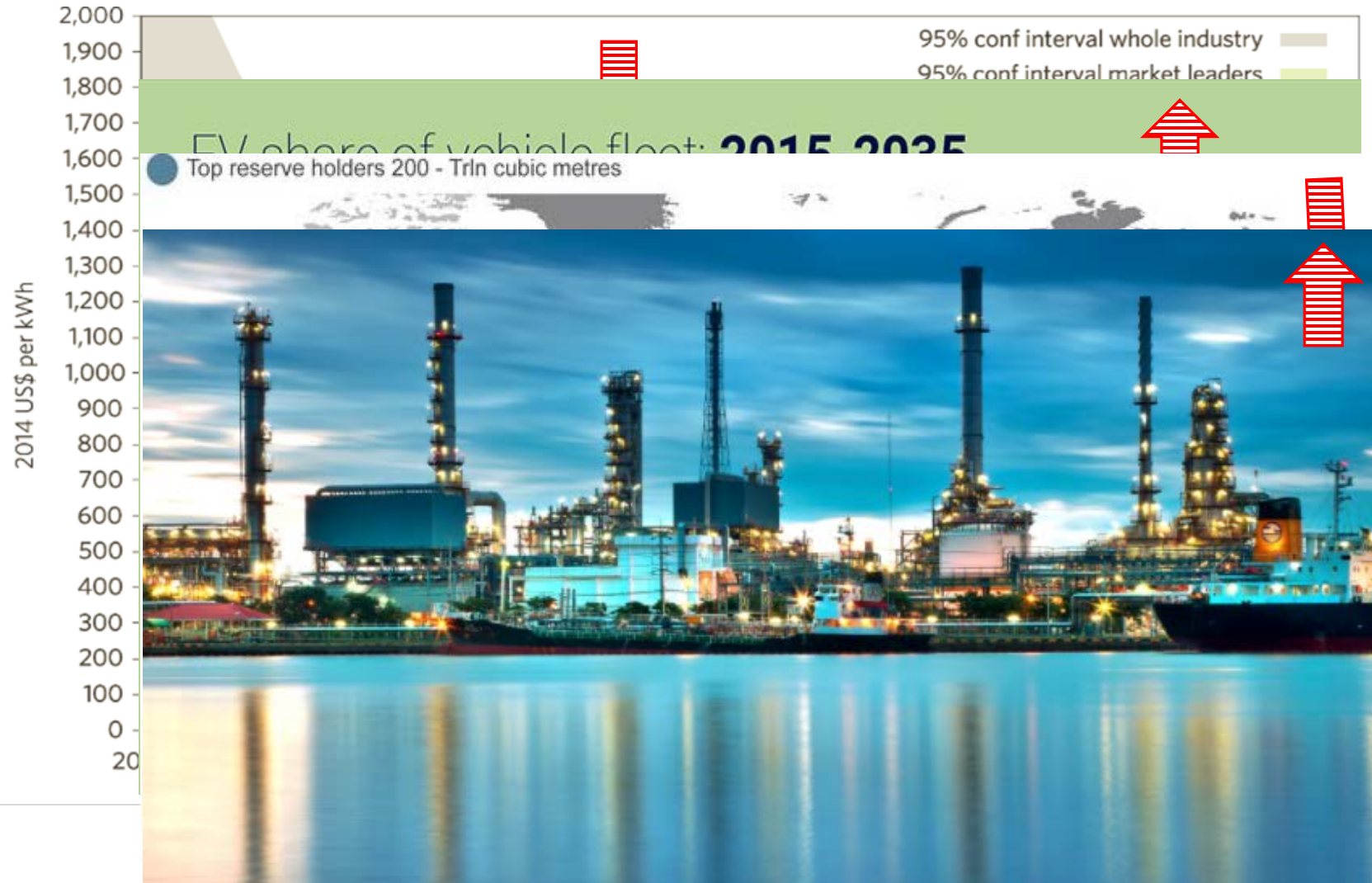
# Power Purchase Agreements

Global Tendered Solar Projects by Bid Price and Capacity, 2014-2016



Wood Mackenzie, 2017

But wait....there's more.....



- solving intermittency?
- more EV/AEVs?
- global shale gas “revolution”?
- petrochemical renaissance