

Producer – Consumer Cooperation

Towards more liquid, transparent and competitive Asian gas markets



Overview

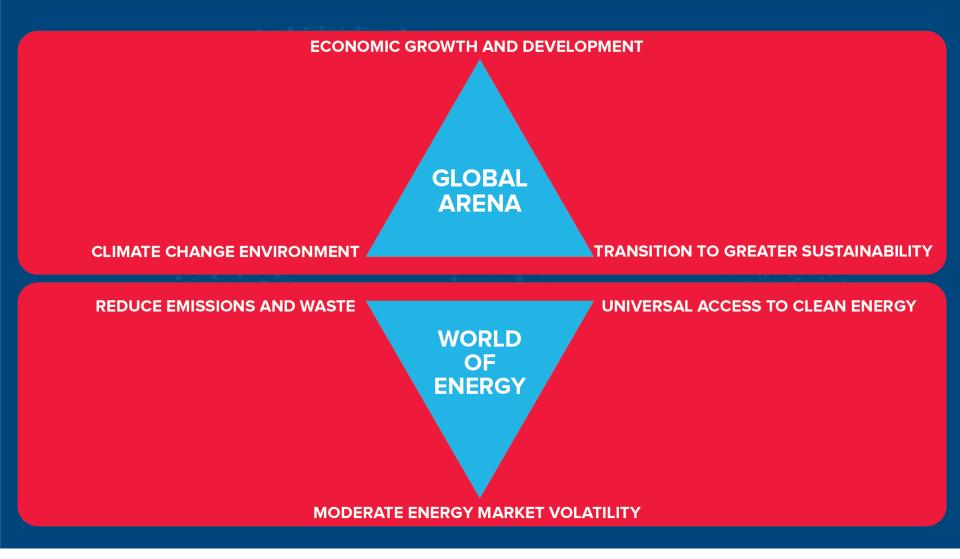
1. 3+3 Challenges

2. 7 Observations on LNG markets

3. 3 Proposals



3+3 Challenges IEF Dialogue help overcome





7 Observations on LNG markets

- Gas demand will continue to grow to 2040, especially in Asia growth markets
- 2. LNG trade and new price signals create a global gas market
- 3. Abundant gas supplies show reduction in LNG investment
- Lower spot prices mean higher longer term prices will remain subject to renegotiation

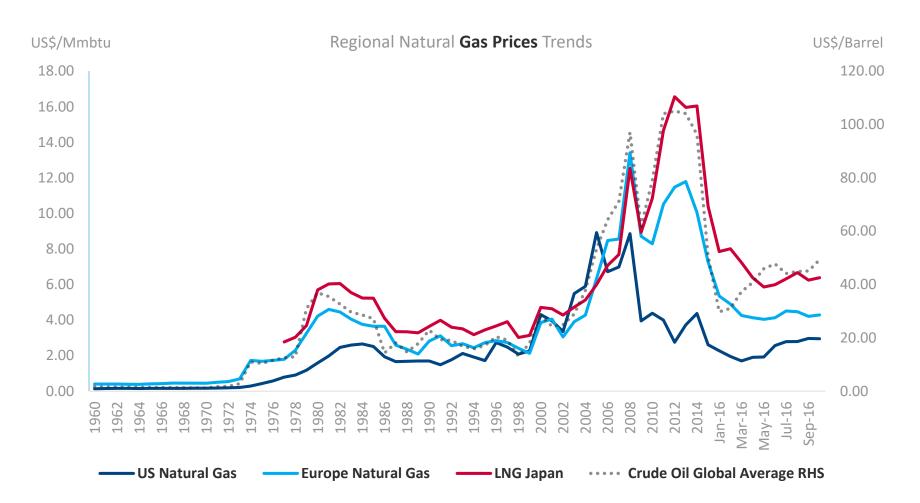


7 Observations on LNG markets

- 5. Traditional contract clauses on price indexation, destination, nomination and others are eased
- US exports reduce Asian prices due to hub indexed prices and geography; panama canal
- 7. Gas is likely to play a larger role for longer in keeping up with future global energy demand

Convergence show transferable prices across regions

Gas is commoditizing but prices continue to reflect regional characteristics



Source: World Bank Average Annual Commodity Prices to 2015, and Average Monthly Prices from January to October 2016



3 Proposals

- JODI Gas already covers 90% of world gas demand and supply but data reporting timeliness, completeness and use must be improved.
- 2. Asia needs to move forward with the **establishment of a transparent and effective functioning gas pricing hub**.
- Asian gas trade and investment will benefit from a standard contract that fairly reflects producer and consumer interests.

Thank You



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