

LNG Futures: The Missing Link in the Value Chain



Where the Gas Pipeline Ends



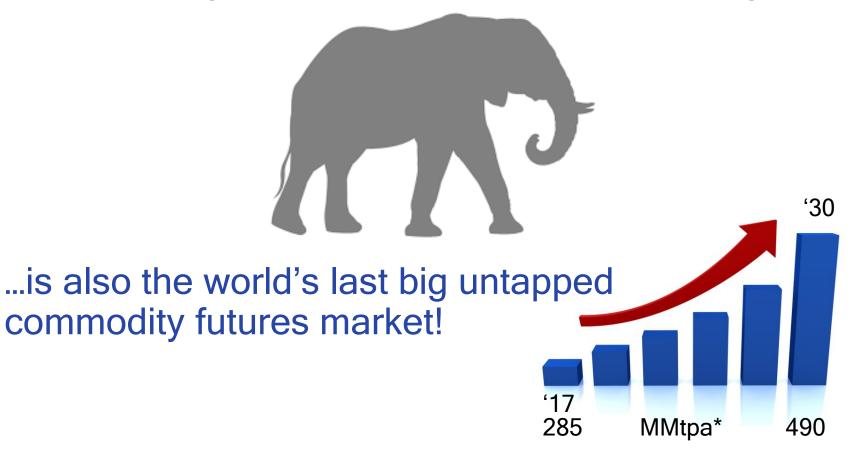
Today's reality:

- 1. Countries worldwide are demanding cleaner energy
- 2. Natural gas is no longer just a regional commodity
- 3. LNG, the energy bridge to the global marketplace...

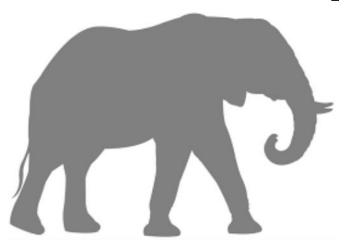




LNG: The Top Energy Growth Story of the 21st Century



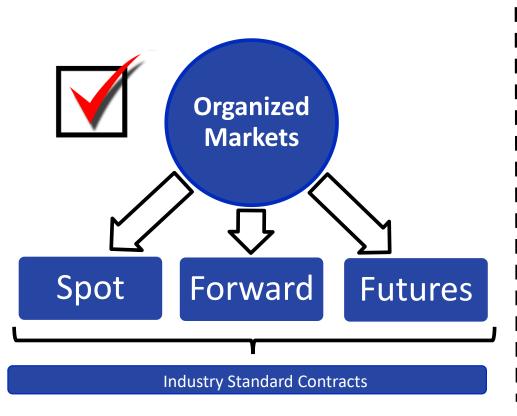
How Does a Futures Exchange Land the LNG Elephant?

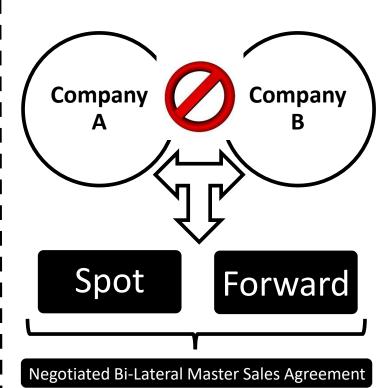


- 1. Learn from the past
- 2. Listen to the diverse needs of customers worldwide
- 3. Make innovative plans for the future
- 4. Boldly execute the plans



Start by Simplifying LNG Trade

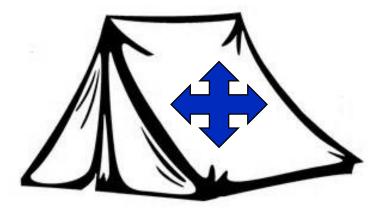






Standardized Contracts: Key to Global Trade Growth



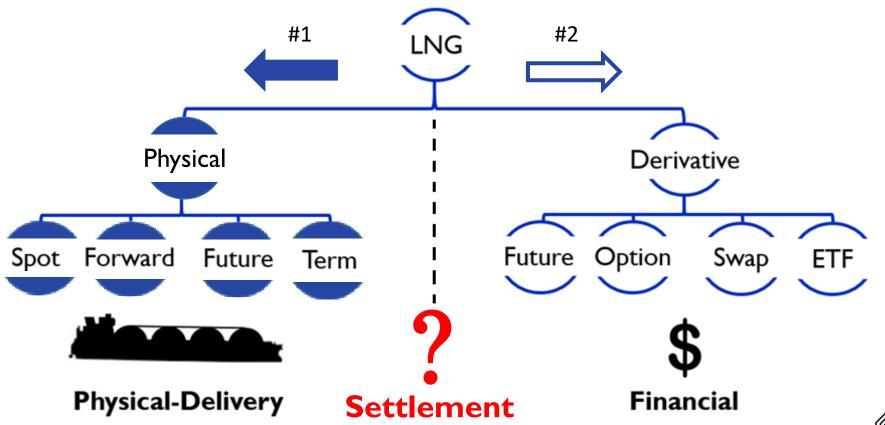


To build a "Bigger Tent" that encourages increased trading volume and open interest, the global LNG industry must first streamline the process by agreeing on a standard contract format with widely-accepted general terms and conditions.

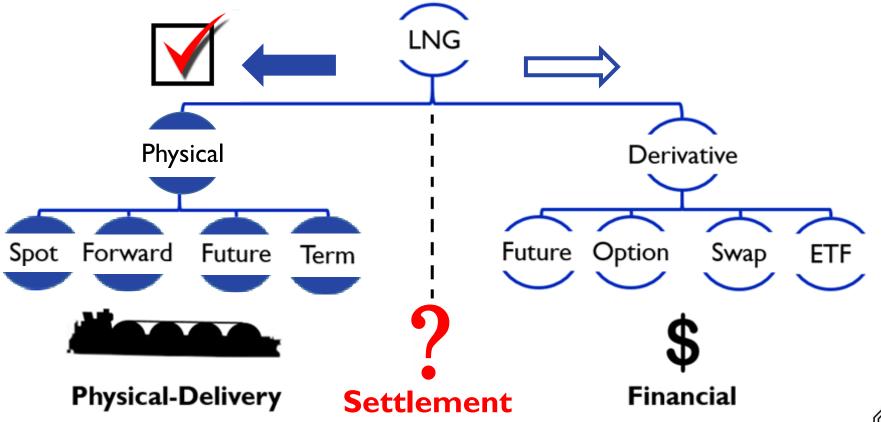




Building the Global Gas Futures Benchmark: 2 Choices



Building the Global Gas Futures Benchmark: The Better Choice



Why Physical-Delivery Futures?

- 1. Even though historically few commodity futures contracts are held for physical-delivery, this key provision assures LNG price convergence between futures and physical forward markets
- 2. Commercials worldwide have access to a platform providing a reliable source or outlet for natural gas
- 3. Price distortions are prevented as non-commercials cannot hold large positions through contract expiry for cash-settlement
- 4. Settlement prices are determined by actual futures trades, and published shortly after the close, not the following business day
- 5. Counterparty credit concerns are eliminated as performance is guaranteed by the "investment grade" exchange clearinghouse





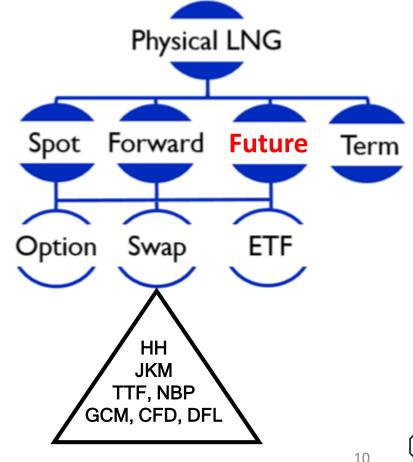
Physical-Delivery Futures: The Global Gas Benchmark





A liquid and transparent LNG futures benchmark contract, with guaranteed physical-delivery provisions, offers new business development opportunities for:

- Commercials and speculators
- Over-the Counter (OTC) brokers
- Price Reporting Agencies (PRA)
- **Physical Trading Platforms**
- Ship builders and merchants

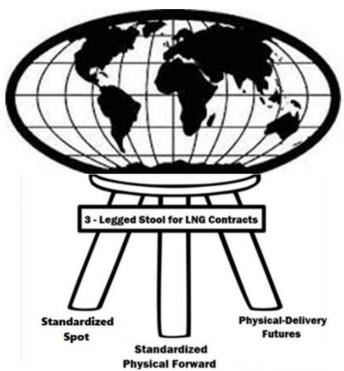


The Physical-Delivery Link

An organized global LNG marketplace supported by the "Three-Legged Stool"

Seamlessly connected standardized LNG contracts

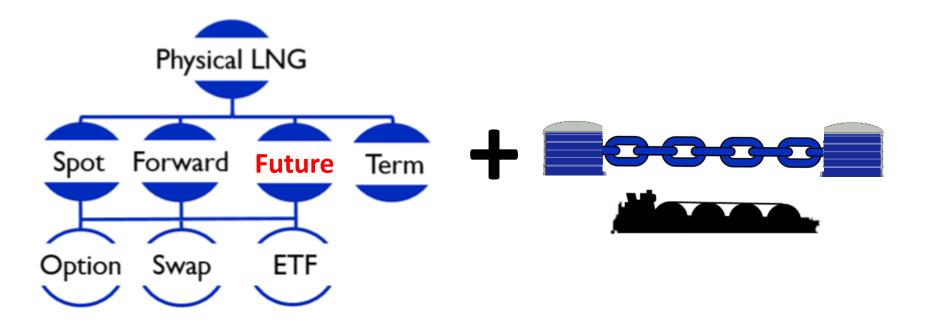
- 1. Spot
- 2. Physical Forward
- 3. Physical-Delivery Futures





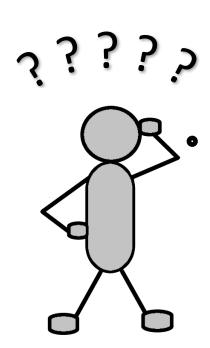


Enhancing the LNG Value Chain



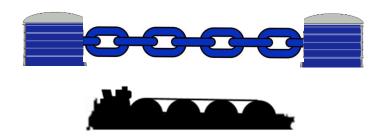
...through the introduction of an LNG futures contract with Guaranteed Physical Delivery (GPD) provisions

GPD Futures: The Missing Link in the Global LNG Value Chain



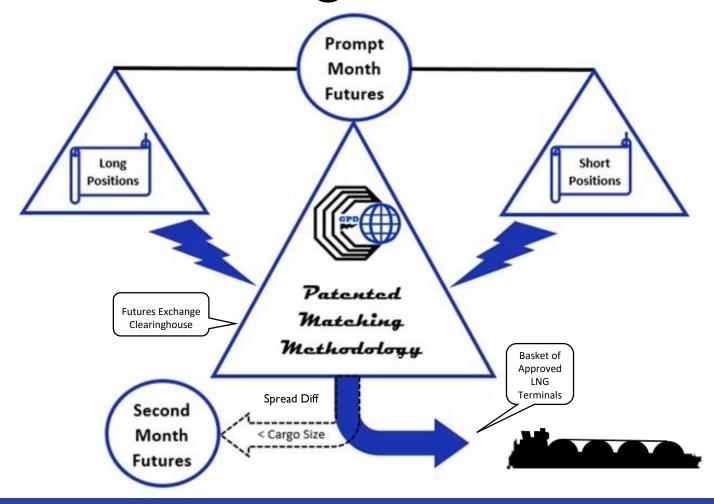


A business-method patent* enabling the launch of Guaranteed Physical Delivery futures contracts for commodities like LNG which load on large ocean-going vessels





The GPD Futures Post-Expiry Matching Solution

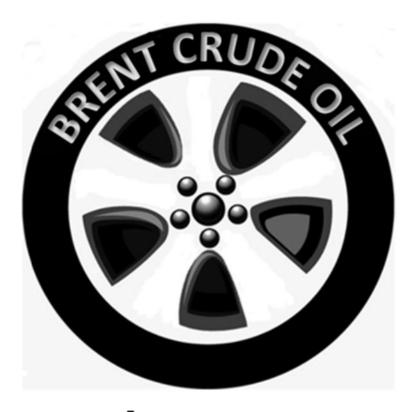


An Efficient Path to the Future

No need to reinvent the wheel

The practical solution for LNG contract challenges, a modified "Brent Template"

Title transfers FOB vessel at load port



HOOD

Nearly 30-years of proven performance in the global marketplace

"Industry Standard" contract terms & conditions



The GPD Futures Benchmark Price Minimizes Basis Risk

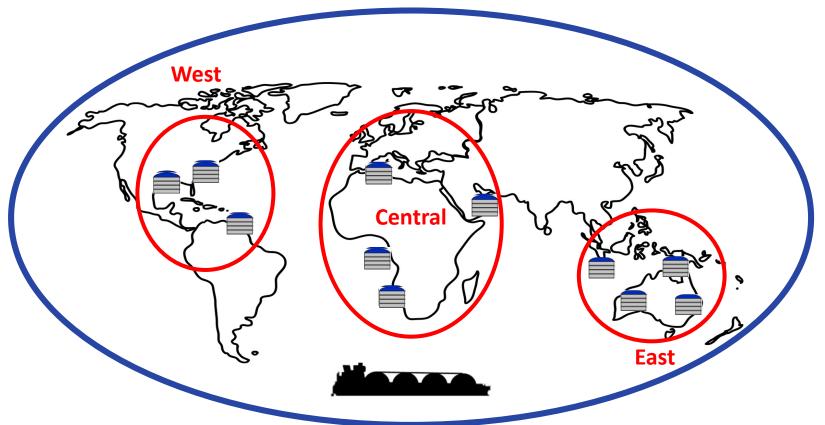
- 1. The GPD Futures Contract is seamlessly linked with GPD One Full Month notice physical-forward contract terms
- Price risk covering the time period between futures settlement and the vessel loading date can be mitigated by Dated-to-Front-Line (DFL) futures swaps traded on exchange or Over-the-Counter (OTC), providing new revenue streams for brokers and price reporting agencies (PRA)
- 3. Futures delivery FOB buyer's vessel at load-port eliminates inland transportation cost and pipeline capacity basis risk
- 4. Ocean transportation basis risk can be managed by new freight futures contracts





GPD LNG Futures

- Ready to launch with liquefaction capacity in place today
- Delivery terms "FOB buyer's vessel at load-port" minimalizes basis risk
- Offer venue optionality global or regional





The GPD Patent* Protects the Listing Exchange



A moat to keep competitors out of LNG futures

GPD Futures: A Reliable Source or Outlet for Physical LNG

GPD's "Invisible Hand" follows the sun 24-7

- 1. Assuring futures/physical price convergence for all traded contracts
- Providing qualified buyers and sellers guaranteed physical delivery at approved LNG loading terminals worldwide
- 3. Eliminating counterparty credit and performance concerns using the patented GPD systems and methods for post-expiry position matching at the futures clearinghouse



In Summary: Why GPD Futures?

- The globalization of natural gas markets has resulted in an urgent need for both LNG contract standardization and the development of a liquid and transparent benchmark price.
- 2. A truly successful global natural gas benchmark must serve the broadest possible range of market participants. GPD futures contracts, with provisions for FOB vessel delivery at a diverse basket of approved export terminals is the solution.
- 3. The GPD systems and methods provide a solid platform to build on, enabling the world's fastest growing commodity to reach its full potential!
- 4. The GPD patent is available for single commodity licensing or outright purchase.





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