



How Did We Get Here?

Commodity Markets & the Financial Crisis of 2007-2009

- It was a financial crisis, with its origin in the banking system.
 - > Collapse of an asset bubble in the housing market.
 - > A run on dealer banks.
- Commodity trading was not central to it.
- Don't go messing up parts of the financial system that aren't broken. Fix the one's that are broken. That's not us.

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Problems in the OTC Commodity Market

However, ...

- The financial crisis exposed problems with a lack of transparency and prudent regulation that shed new light on <u>old</u> problems in commodity trading.
- Energy commodities generally had special loopholes that were already the subject of controversy and efforts at reform, so that the reform debate engendered by the larger financial crisis merely subsumed a pre-existing discussion.
- Coincidence or not, the sudden spike in commodity prices exploded in the middle of the larger financial crisis. There is no escaping being part of the larger reform process.

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End-users in the debate over proposed financial reform

End-users came out forcefully in the debate over financial reform, almost universally opposing mandatory clearing For example, ЗM . Cargill Delta & ATA John Deere NSGA, AGA APPA, EEI US Chamber of Commerce, Business Roundtable, etc. and a similar reaction in Europe, culminating in European Association of Corporate Treasurers • The big banks had no better friend, ready to get out front and defend the bankers' interests like it was their own. CEEPR MIT Center for Energy and Environmental Policy Research 8

Clearing Requirement & Margins

The End-User Argument:

- In the past, OTC swaps were often offered without margin requirements.
- Clearing requires posting margin.
- The posting of margin is costly, draining corporate liquidity, increasing financing costs, making hedging costly.

This argument, in part, won the day, and there is now an exemption written into the new Dodd-Frank law,

- But now, the terrain of battle shifts...writing a law is one thing, writing all the regulations that give the law content is another...
- The Dodd-Frank hedge exemption regulations need to be written broadly to minimize the damage to the companies trying to hedge.

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Disaster Ahead? Lessons from TRACE

3 Key Elements in Reforming OTC Derivative Markets

- 1. ALL trade in derivatives is regulated. No exceptions.
- 2. Increased transparency.
 - > Mandatory reporting of all transactions,
 - regardless of whether it is standardized or not, traded on an exchange or cleared.
 - > Post-trade publication of trade data for most transactions, incl. bilateral deals.
 - > Pre-trade publication of bids & offers through increased use of exchanges.
- 3. Increased use of clearing.

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- Transparency can potentially make the market more efficient to the benefit of end-users. But transparency has its costs, too. The choice involves a global weighing of the costs and benefits of shifting from one market structure to another.
- There are a variety of potential benefits to clearing. Some of these can be captured by the dealers and one might expect trade to gravitate to a "cleared" market. But not always.
 - Trade can get "trapped" in a non-cleared market.
 - Dealers may have an incentive to keep the market uncleared.
- Social benefit of systemic risk reduction from clearing is not something that is entirely captured by the parties choosing a "cleared" market.

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Historical Analogy: Reform of Corporate Bond Trading

- U.S. corporate bonds are a large market:
 - \$5.37 trillion outstanding in 2006 out of a total bond market of \$27 trillion, including municipals, Treasuries, mortgage-related, Agency, money market and asset-backed.
 - \$470 billion in new issues in 2006.
 - > \$4.6 trillion in new issues between 1997-2006, versus \$1.5 trillion in equity.
- But it has traditionally been very opaque, unlike stocks or Treasuries.
 - Issuances by a single company differ by seniority and other features, so are not fungible with each other.
 - > Buyers (insurance co's, pension funds) often hold to maturity, so there is little turnover.
 - > Corps=20% of outstanding bonds but only 2.5-3% of trading activity.
 - Main market is through dealers with little in the way of public price quotations and price reporting. Exchange listings are few, and transactions are few and for very small sizes. Main source is a database of the National Association of Insurance Commissioners.
 - In 2002, round-trip trading cost = 0.25%.

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