



*Harnessing the Power of Financial Markets for the Public Good*

# FINANCIAL POLICY FORUM

Derivatives Study Center

## **Inventories, Derivatives and Volatility: What if Joseph Had Used Derivatives?**

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Director, Financial Policy Forum  
October 25, 2006

## OUTLINE

Overview – explain energy price dynamics

Financialization of energy markets

- New financial instruments

- New market participants

Logic of price determination process

- Exogenous shocks

- Volatility

- Demand for physical energy commodities in storage

- Participation by non-commercial market participants

- Changes in spot prices and the forward curve

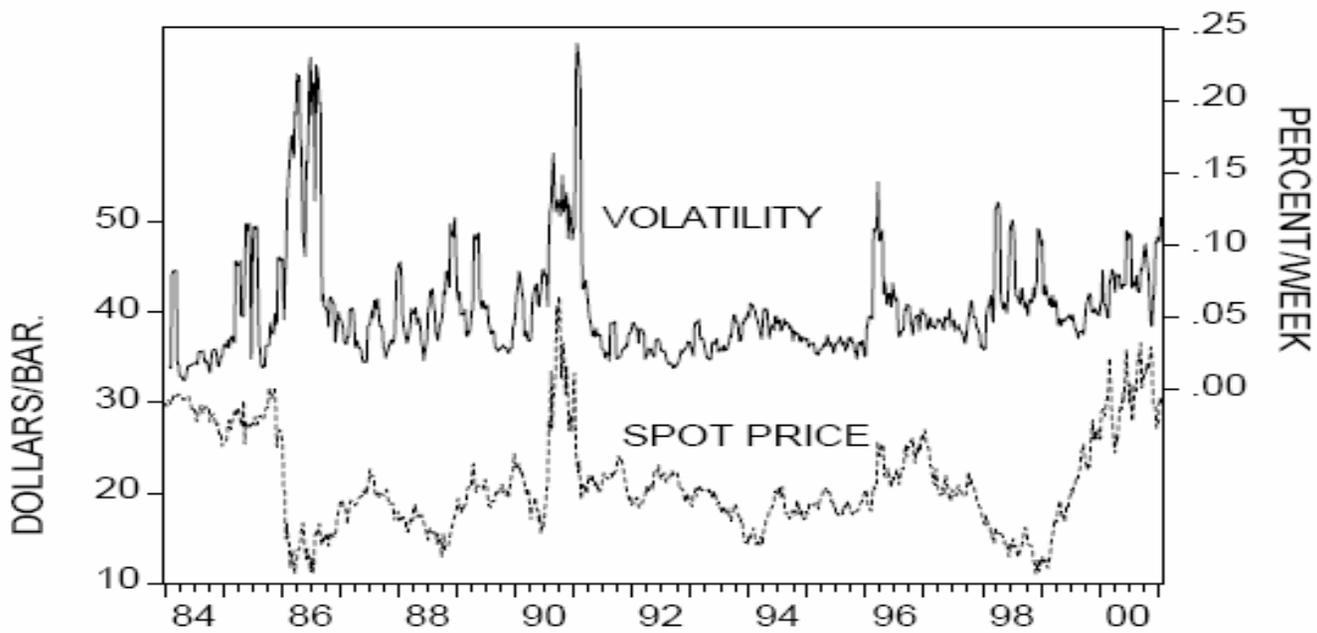
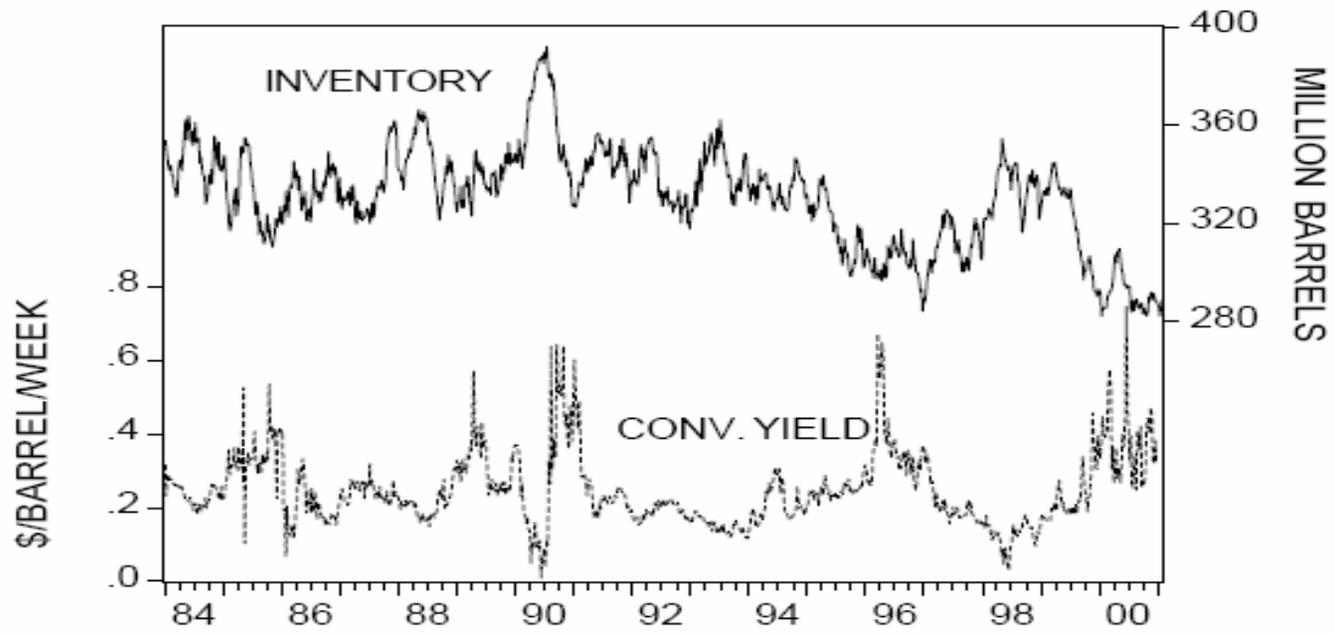
- Excess price volatility

Proposed Policy Recommendations

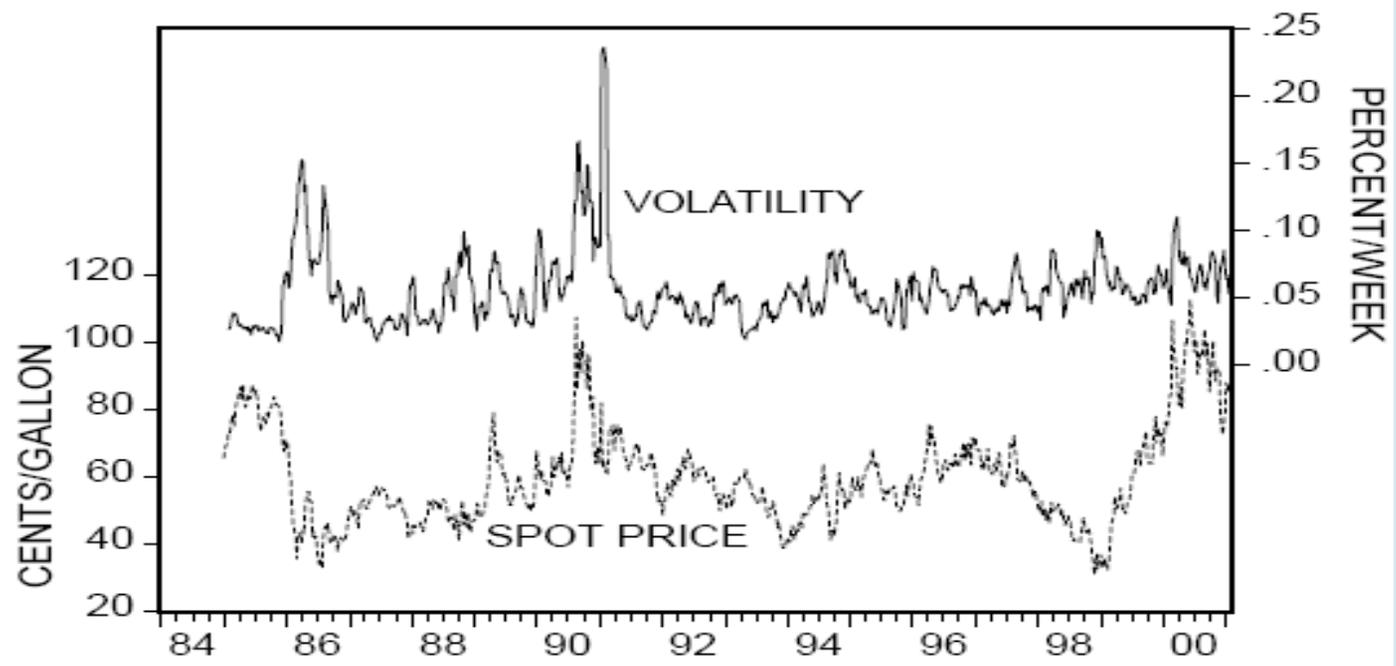
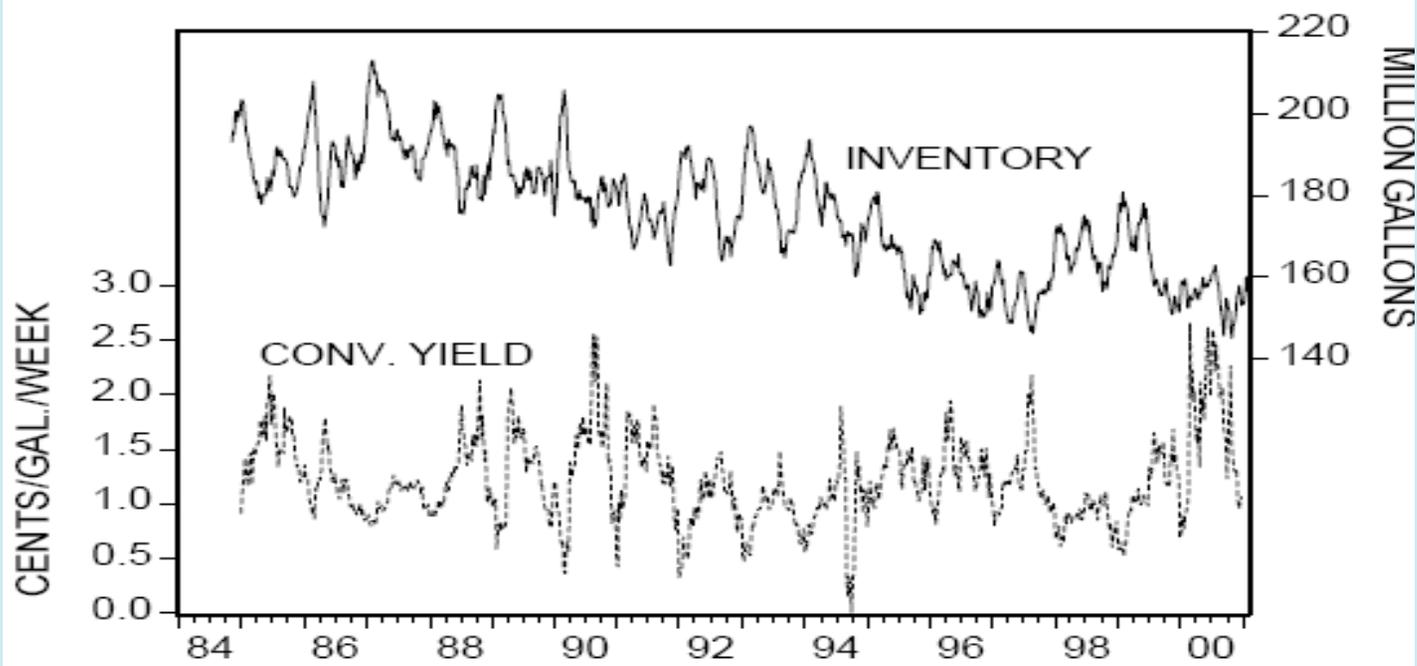


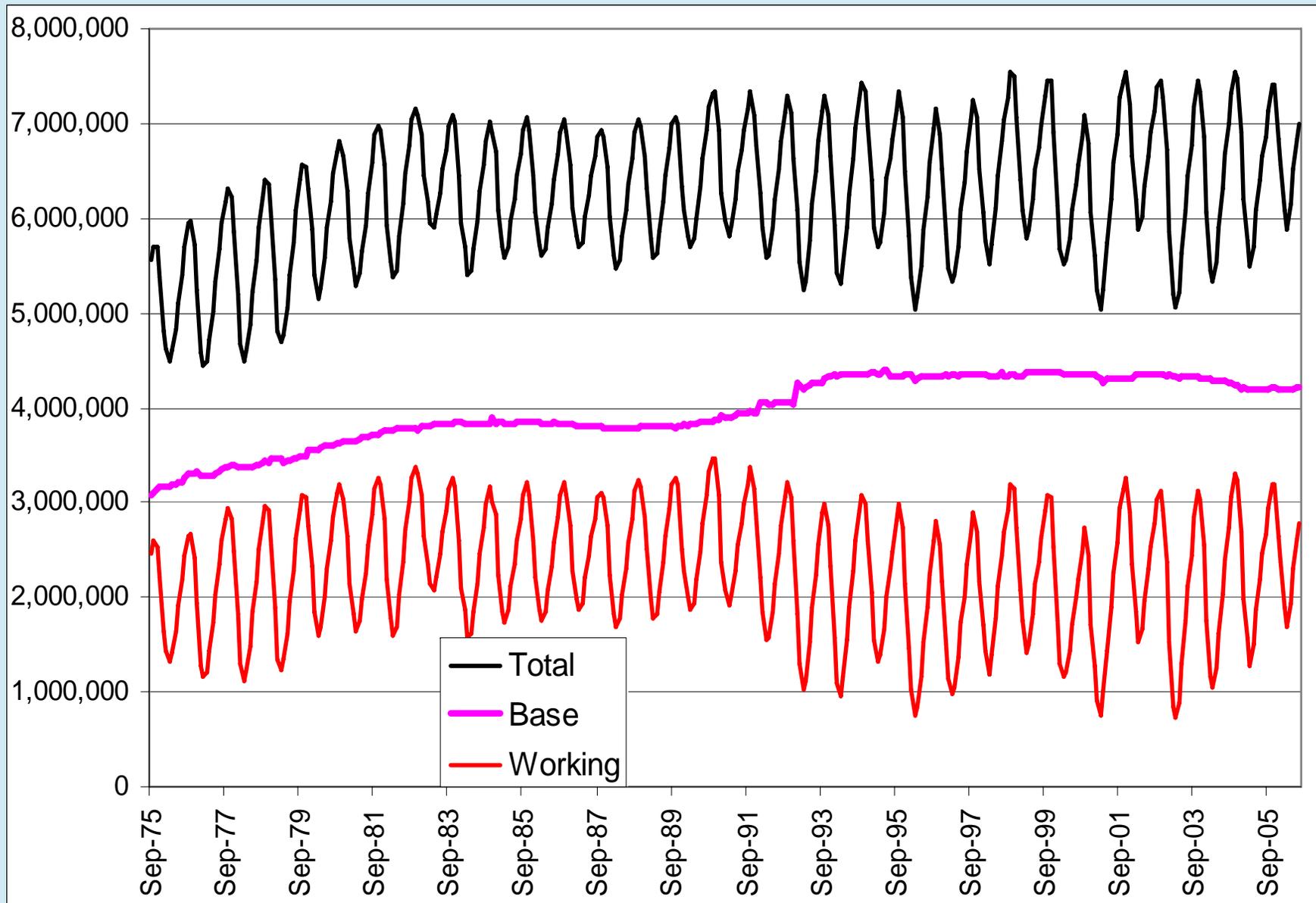
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# CRUDE OIL



# GASOLINE

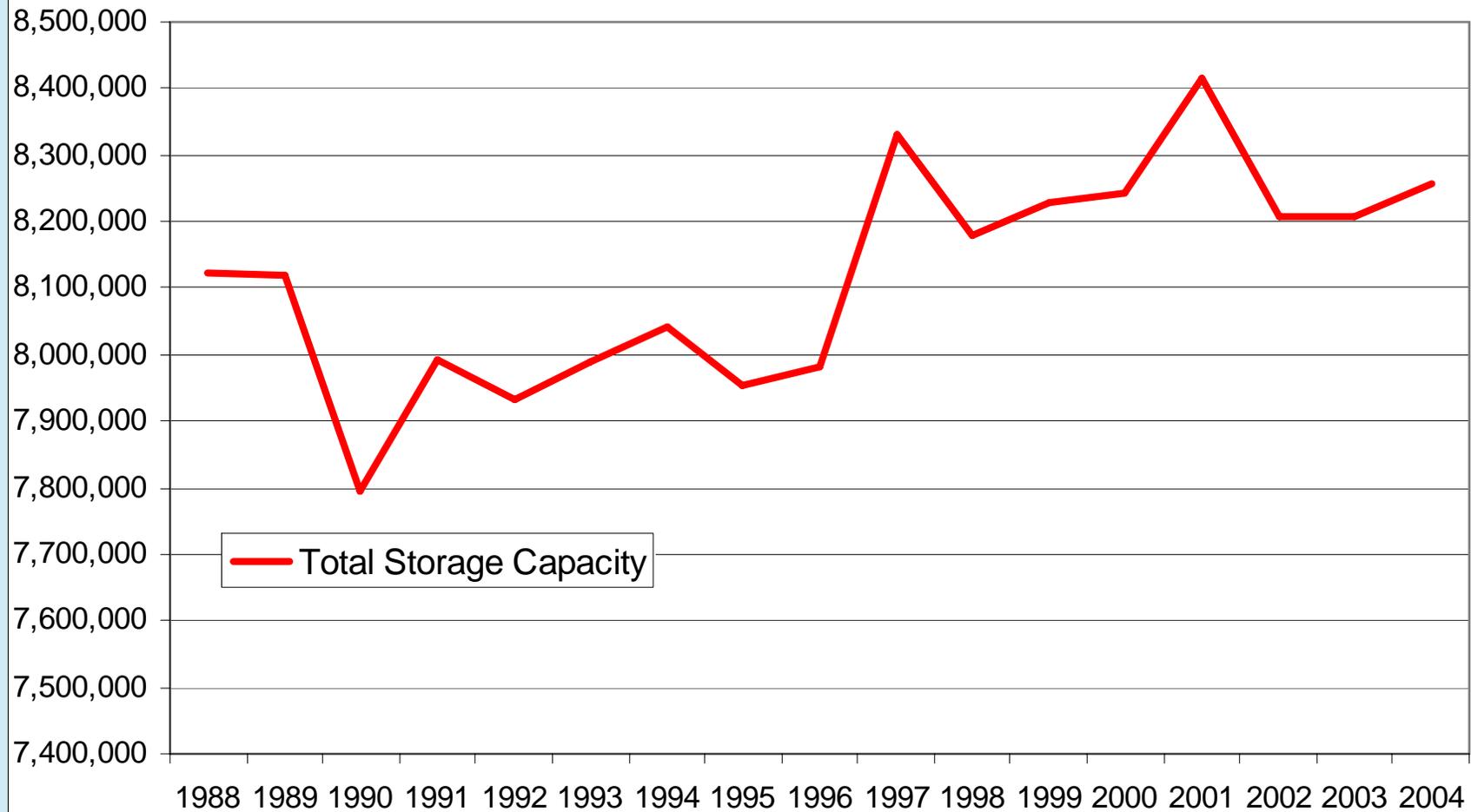




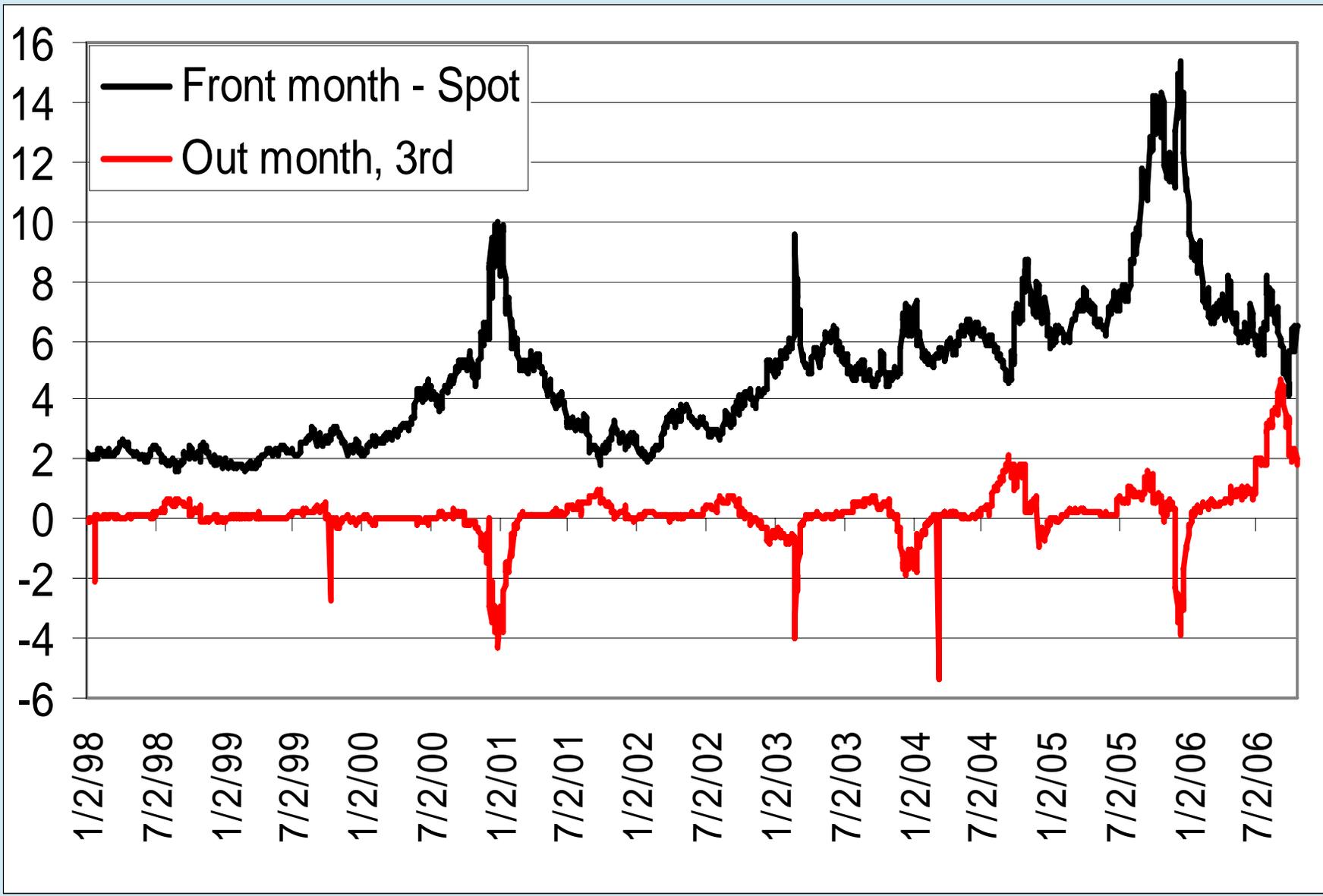
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## Total Storage Capacity



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# Policy Responses

Prudential measures to promote hedging and reduce instability

1. Registration and reporting requirements
2. More liquid markets
  - make dealers act as dealers by requiring them to maintain bid/ask quotes throughout trading day
  - establish adequate capital and collateral rules to stabilize credit standards for trading in derivatives market
3. “Swap Facility” – publicly managed inventory facility that will offer ‘swap’ or actually repurchase agreements in physical energy products that will augment private storages when price



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