## Regional Energy Perspectives: Northeast - Winter 2012 - 2013

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## <u>Agenda</u>

- NYS Agency Preseason Activity
  - Industry
  - State Government
- Distillate Heating Fuels Assessment
- Propane Assessment
- Natural Gas Assessment



## Preseason Activity

- July 1, 2012 NYS ULS heating oil transition
  - Potential refinery closures (700,000 b/d)
  - Meetings and discussions
- NYSERDA Winter Fuels Outlook Meeting
  - State Agencies; DEC, DPS, DOT, OEM, various human needs, NYC gov't., Coast Guard
  - Industry associations of all heating fuels, LDCs
  - Industry Infrastructure; trucking transport and delivery, storage, barge, pipelines, production
- Industry Associations Winter Meetings
- DPS/LDC winter preparedness meetings
- US Coast Guard Ice Breaking Meeting



## Distribution of Petroleum Fuels Within NYS

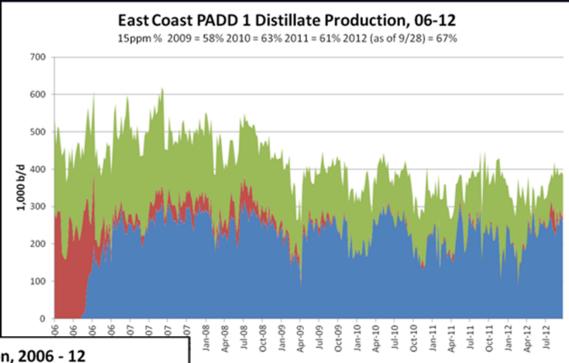
- Not just New York
- Significant NJ and PA production and distribution assets
- NE dependent
- Evolution of Mid-Atlantic distribution system to incorporate NYS switch to Ultra Low Sulfur heating oil effective 7/1/12
- NY State law effective 2010

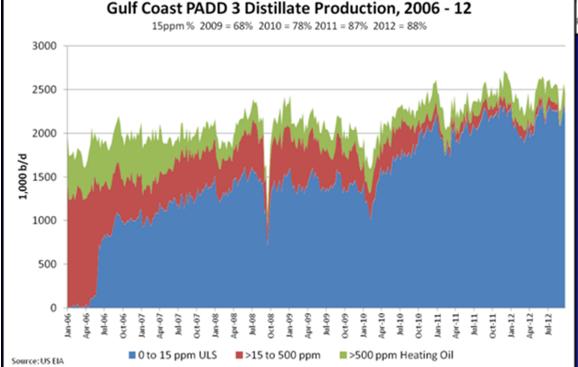




#### PADD 1

- Trainer refinery restart and ULS production rate?
- Marcus Hook Shutdown
- Philadelphia refinery utilization rate?





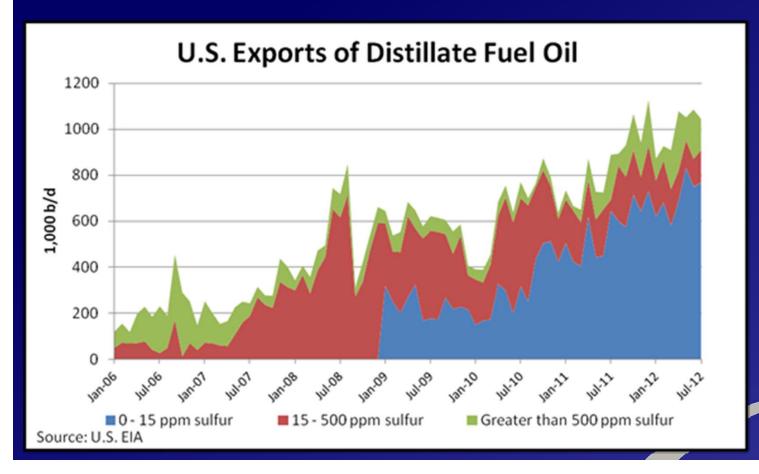
#### PADD 3

- Motiva expansion delay
- 10/3/12 Exxon Baytown desulfurization unit production interruption



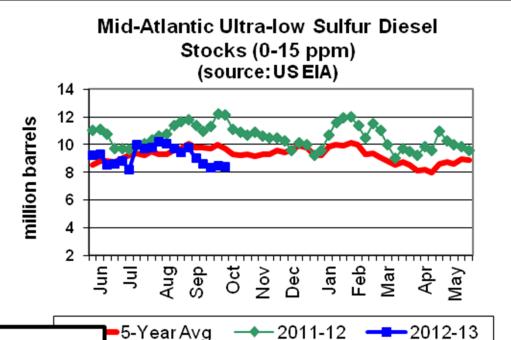
## US Distillate (ULS) Exports

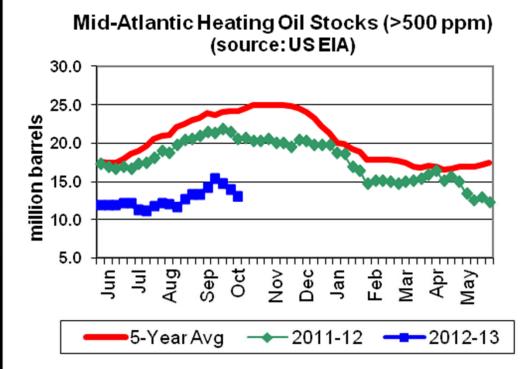
- If needed, what will it take to move volumes to the Northeast?
- Foreign supply sources?





Mid-Atlantic ULS
 (diesel) stocks
 below historic
 transportation only
 demand trend





 Mid-Atlantic heating oil below historic trend, even with NYS demand volumes removed



## Northeast Propane Assessment

#### Mid-Atlantic

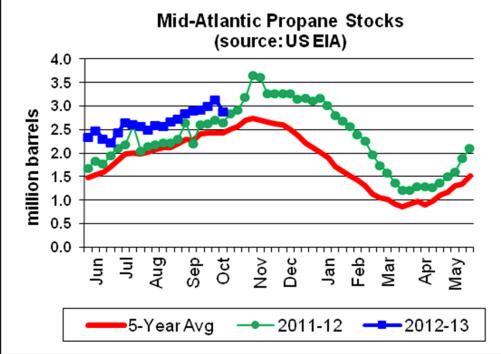
- Inventories are at or above traditional levels
- Retail prices are low relative to the price of crude oil
- Growing propane supply from Marcellus Shale area
- New rail terminal under construction in Albany

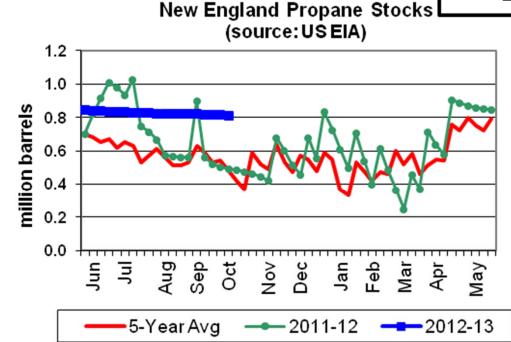
### New England

- Inventories above traditional levels, but...
- New & expanding rail terminals under construction
- World propane prices higher than U.S.
- Unsure mid-season ocean terminal resupply
- Question for New England region?
  - Can rail terminal supply operations and trucking replace traditional ocean terminal supply?



- Mid-Atlantic stocks in good shape
- Increase cavern capacity in upstate New York utilized for propane storage





- New England stocks in good shape,
- Ocean terminal activities limited,
- Rail and truck supply operations underway



## Northeastern US Supply Locations



# New York Traditional Propane Supply Alternatives

- Pennsylvania
  - TEPPCO system terminals
  - Marcellus production facilitates?
- Sarnia and western Canada locations
- Ohio & distant Mid-West terminals
  - TEPPCO system terminals, Todhunter, Ohio caverns
- New Jersey
  - Refineries
- New England
  - Ocean terminals



## Railcar Questions

- Availability of railcars
- Timeliness of resupply cycle
- Rail delays snow, temperatures, ice
- Timeliness of rail switch yard operations
- New rail terminals under construction
  - Will they be ready?
  - Are there contracts for deliver?
- Upgrades at some existing rail terminals



## Natural Gas Supply Assessment

- Storage is near peak capacity
- Prices are lower than recent years
- Production capacity is strong
- Marcellus volumes are replacing Gulf Coast, Rocky Mtn., & Canadian supplies
- Mid-Atlantic pipeline infrastructure continues to expand
- Electric Sector & Interruptible Gas Supply
  - LDC Interruptible customer system test (non-electric)
  - Backup fuels



# **Questions & Discussion**

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