



# Monthly Energy Review



## ENERGY TRADING HIGHLIGHTS

### October 2016

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- Average daily volume for October 2016 Light Sweet Crude Oil futures was 1,096,161 contracts, compared with 794,708 during October 2015, an increase of 37.93 percent.
  - Average daily volume for October 2016 Light Sweet Crude Oil options was 150,570 contracts, compared with 139,883 during October 2015, an increase of 7.64 percent.
  - Average daily volume for October 2016 Natural Gas futures was 487,622 contracts, compared with 344,467 during October 2015, an increase of 41.56 percent.
  - Average daily volume for October 2016 NY Harbor ULSD futures was 151,578 contracts, compared with 157,865 during October 2015, a decrease of 3.98 percent.
  - Average daily volume for October 2016 RBOB Gasoline futures was 162,528 contracts, compared with 143,545 during October 2015, an increase of 13.22 percent.
  - Average daily volume for October 2016 Brent Crude Oil Financial futures was 73,727 contracts, compared with 95,184 during October 2015, a decrease of 22.54 percent.
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The Impact of Natural Gas Supply  
on U.S. Regional Power Generation



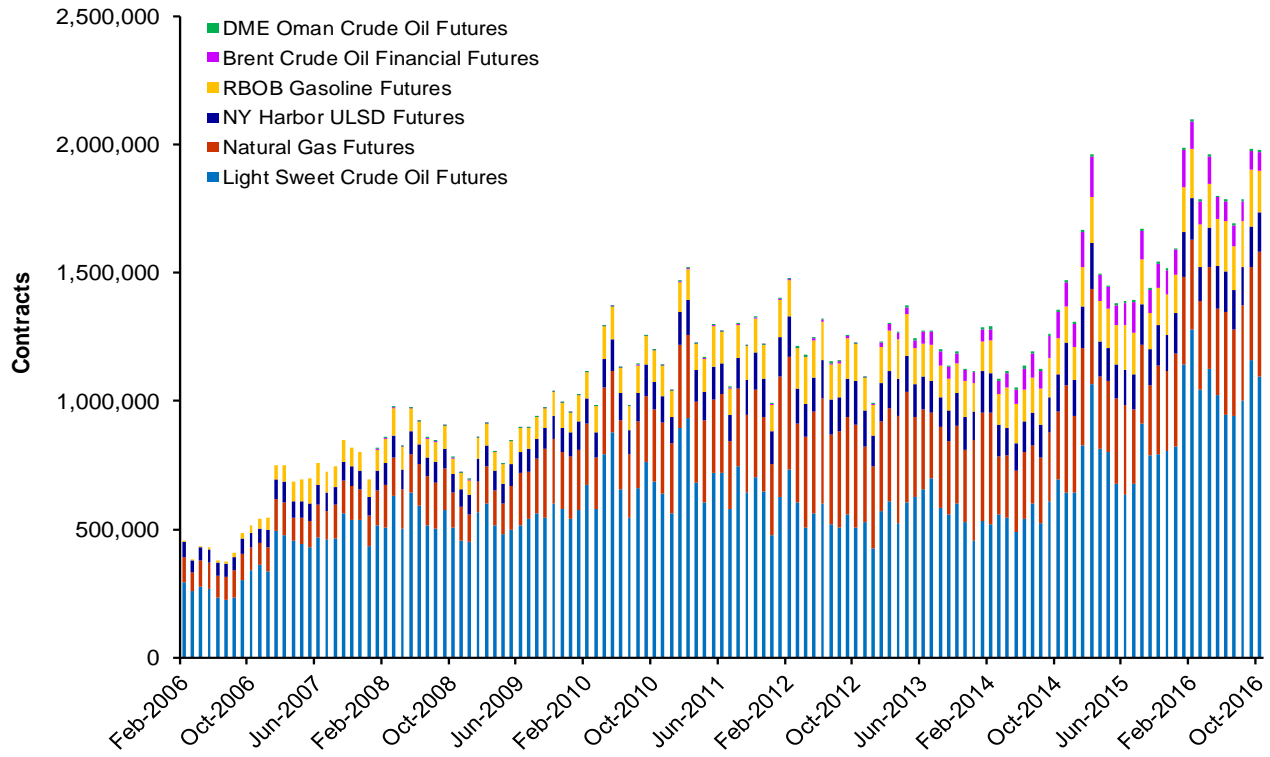
## Scorecard - Average Daily Volume and Open Interest Statistics

### October 2016

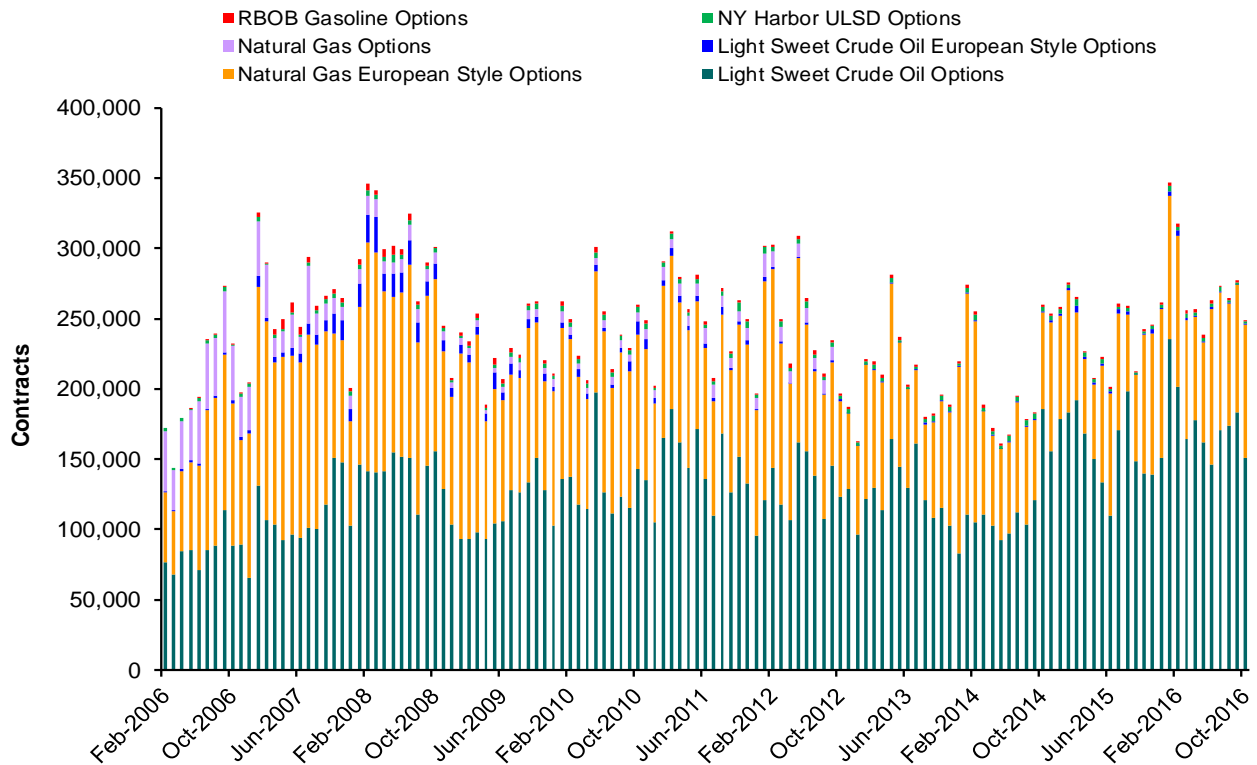
	Average Daily Volume			Open Interest		U.S. and Metric Spot Price & Conversion		
	Electronic/Pit	Contracts	\$ Notional (\$ Millions)	Contracts	\$ Notional (\$ Millions)	US\$ Spot	US\$/MT Except	20-Day Historical Volatility
	Ticker Symbols					Month Close 31-Oct-'16	NG=US\$/ Cubic Meter 31-Oct-'16	
<b>Light Sweet Crude Oil</b>								
Futures	CL	1,096,161	\$51,366	1,865,535	\$87,419	46.86	\$343.62	27.95%
Options	LO	150,570		3,076,664				
European Style Options	LC	552		70,396				
<b>Natural Gas</b>								
Futures	NG	487,622	\$14,755	1,138,732	\$34,458	3.026	\$0.11	36.89%
Options	ON	14,879		138,155				
European Style Options	LN	95,016		2,379,156				
<b>NY Harbor ULSD</b>								
Futures	HO	151,578	\$9,574	402,072	\$25,396	150.39	\$471.15	23.46%
Options	OH	1,755		76,750				
<b>RBOB Gasoline</b>								
Futures	RB	162,528	\$9,690	395,435	\$23,575	141.95	\$508.60	19.39%
Options	OB	592		21,088				
<b>DME Oman Crude Oil</b>								
Futures	OQ	6,236		18,472				
<b>Brent Crude Oil Financial</b>								
Futures	BZ	73,727		123,390		48.30		24.39%
<b>PJM Financially Settled Electricity</b>								
Futures & Swap								
Futures	JM+L1*	170		23,493				
Options	JO+PML+6O*	0		880				

\* L1 is adjusted to JM contract size; PML and 6O are adjusted to JO size.

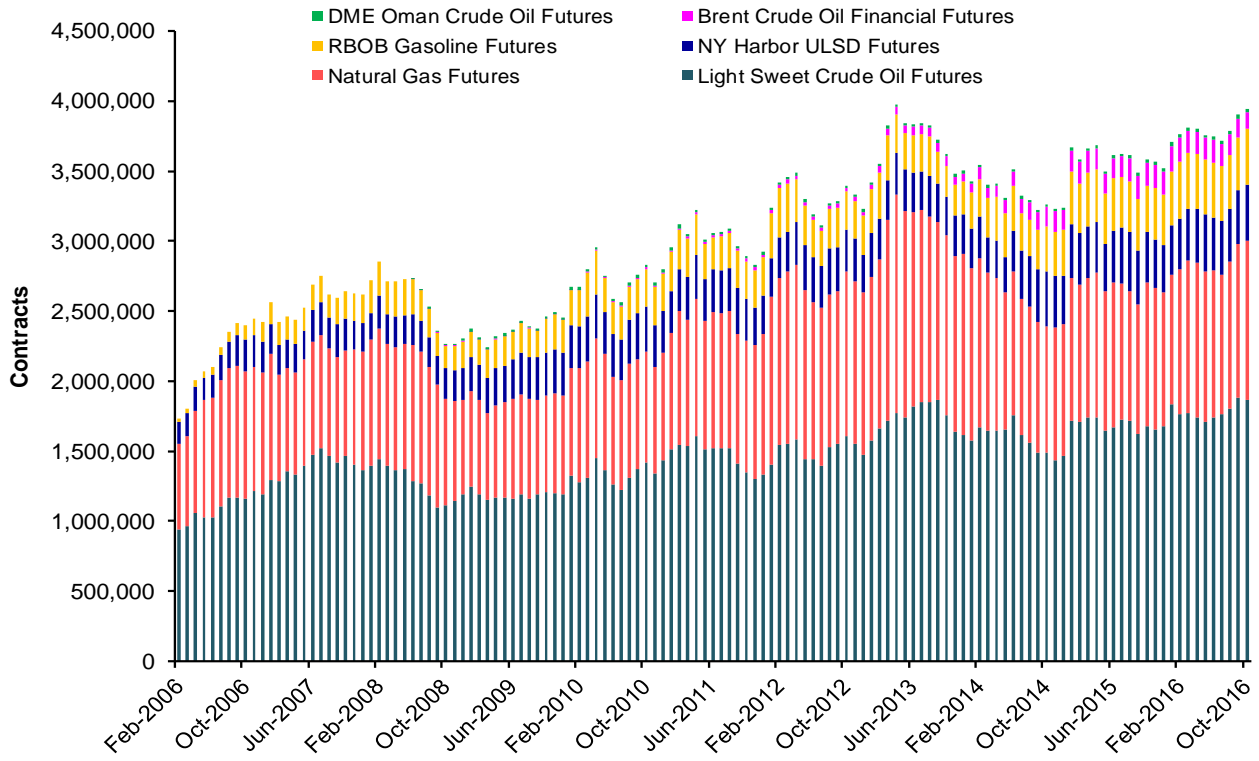
### Futures - Average Daily Volumes



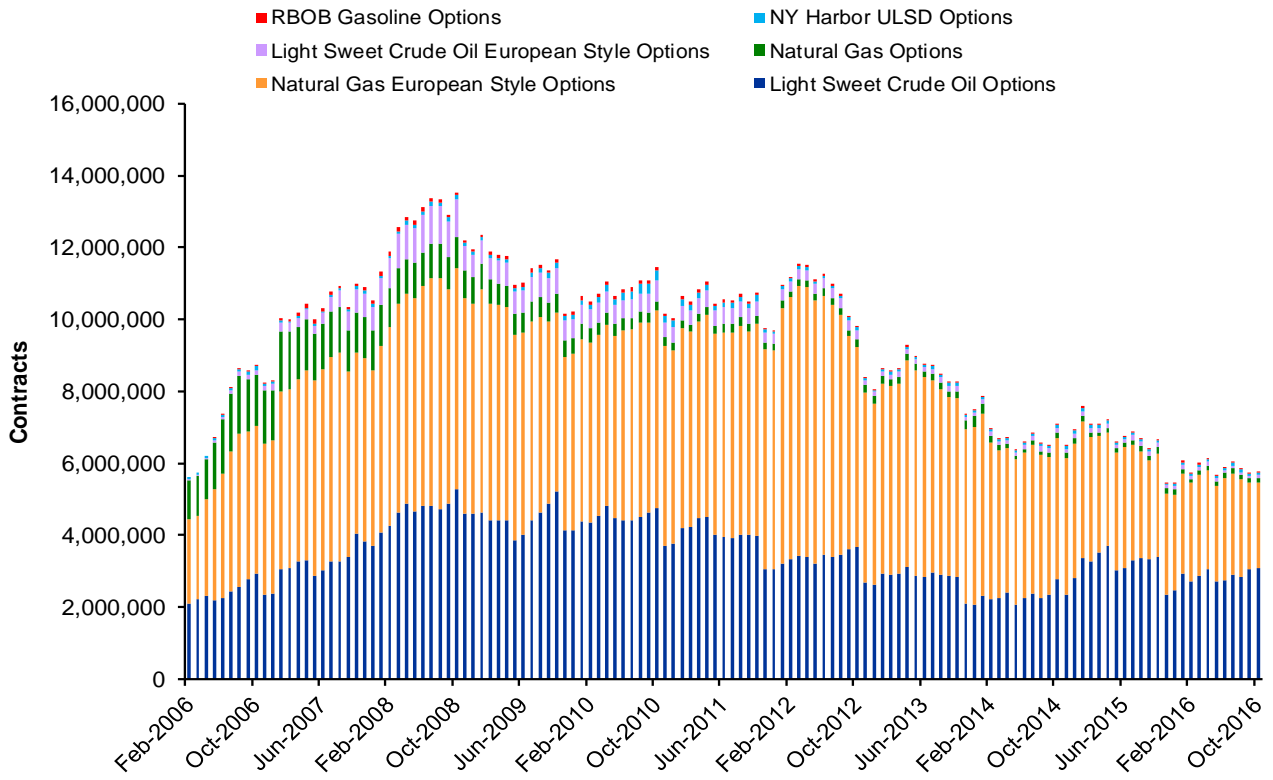
### Options - Average Daily Volumes



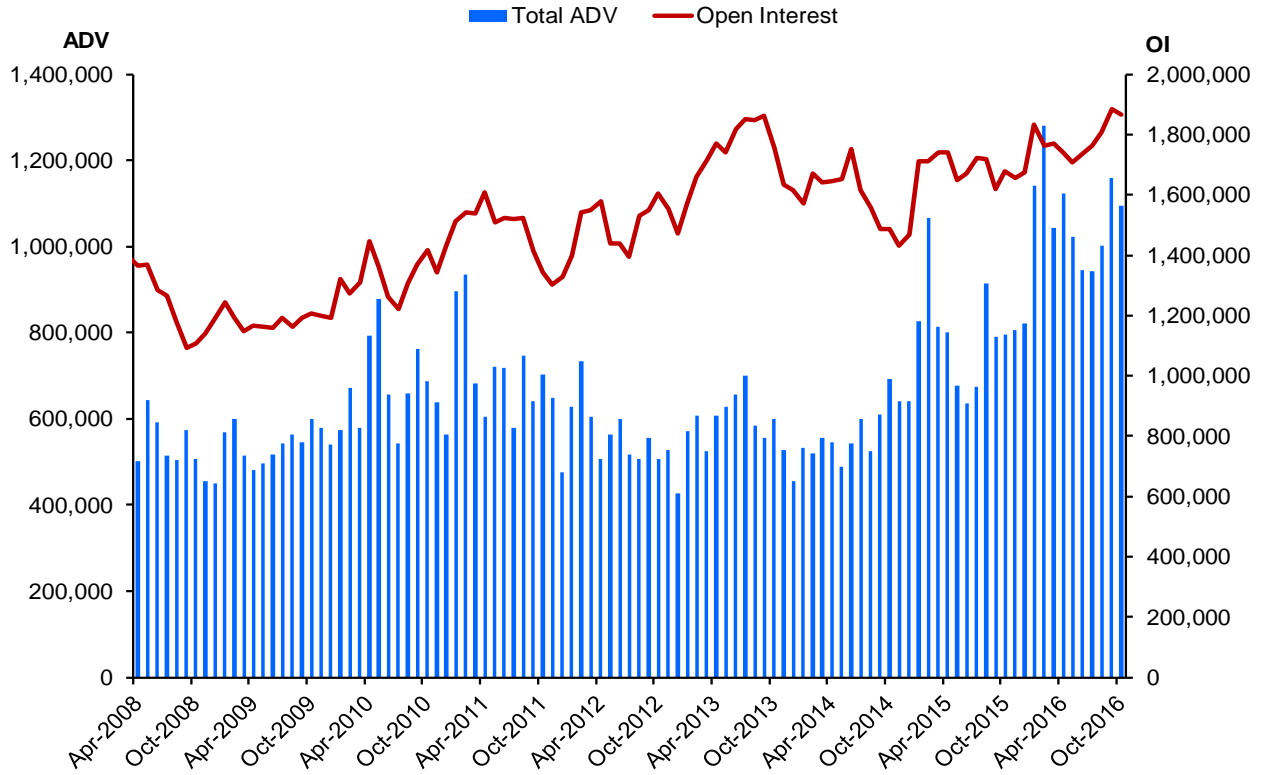
### Futures - Open Interest



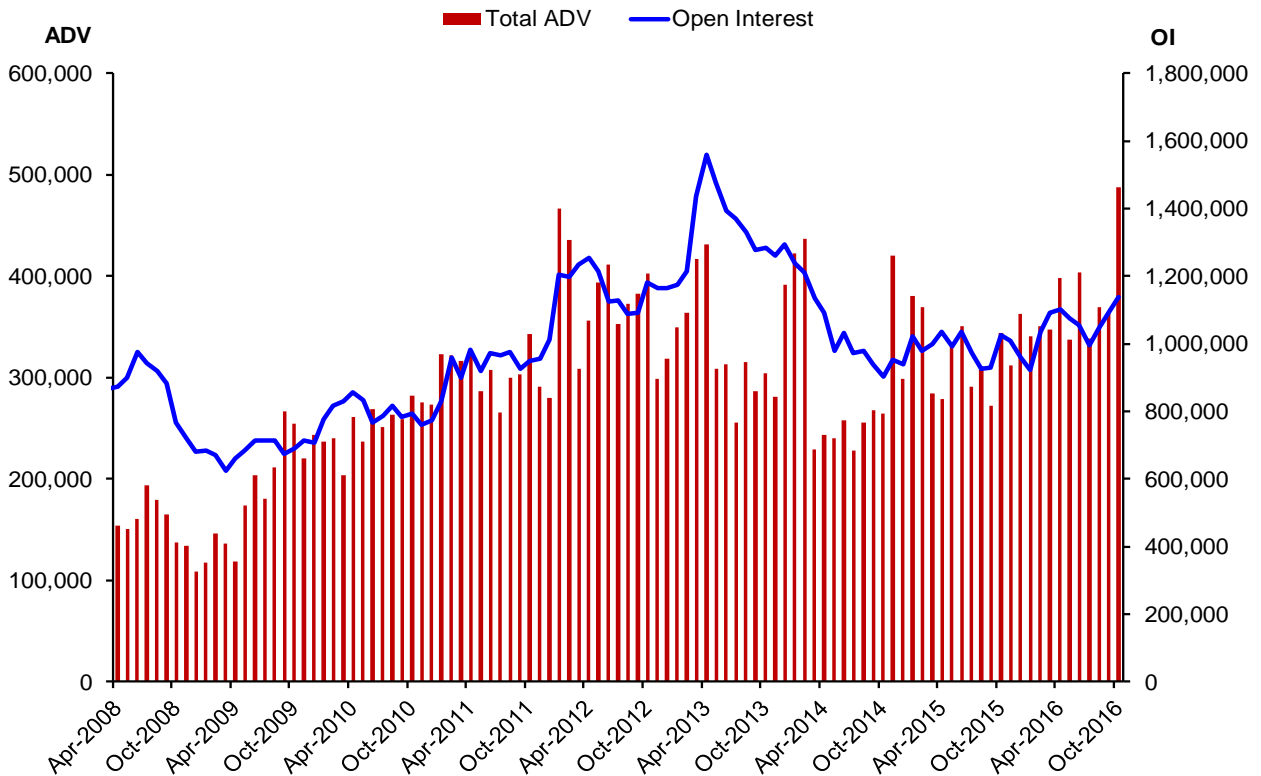
### Options - Open Interest



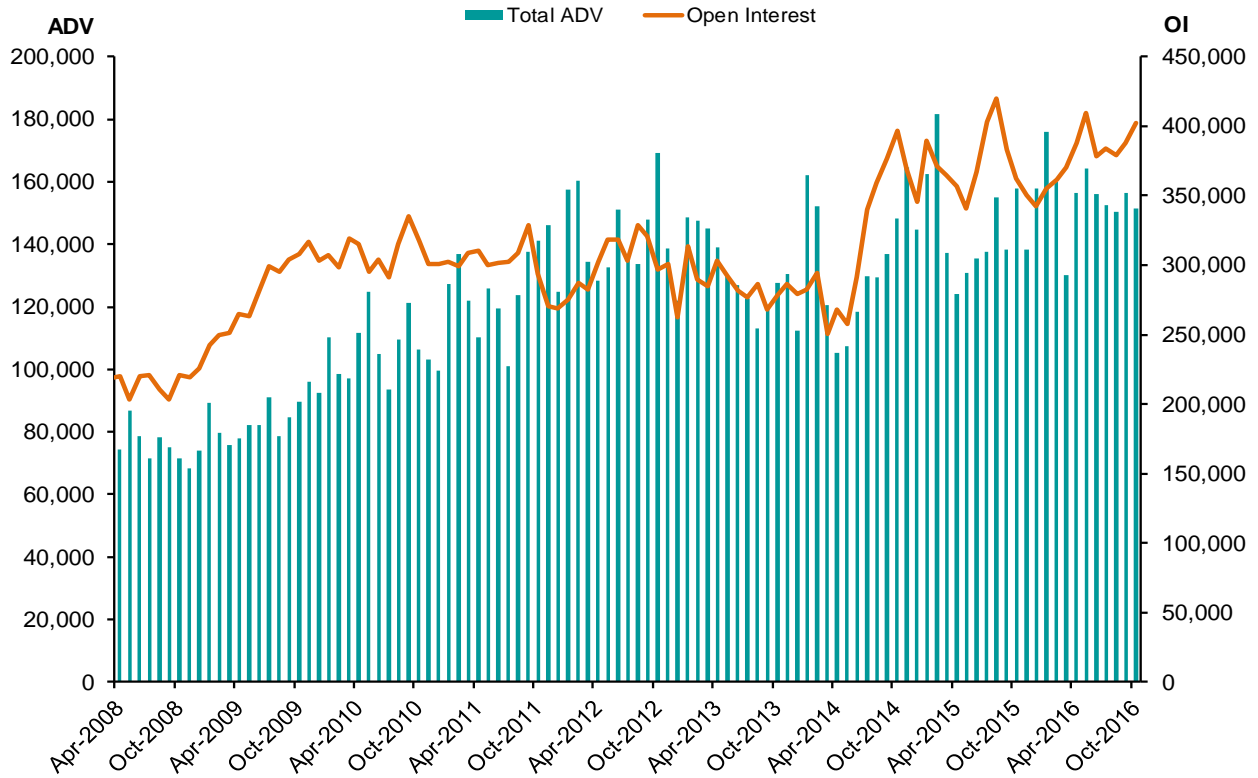
**Light Sweet Crude Oil Futures - Average Daily Volume (ADV) and Open Interest (OI)**



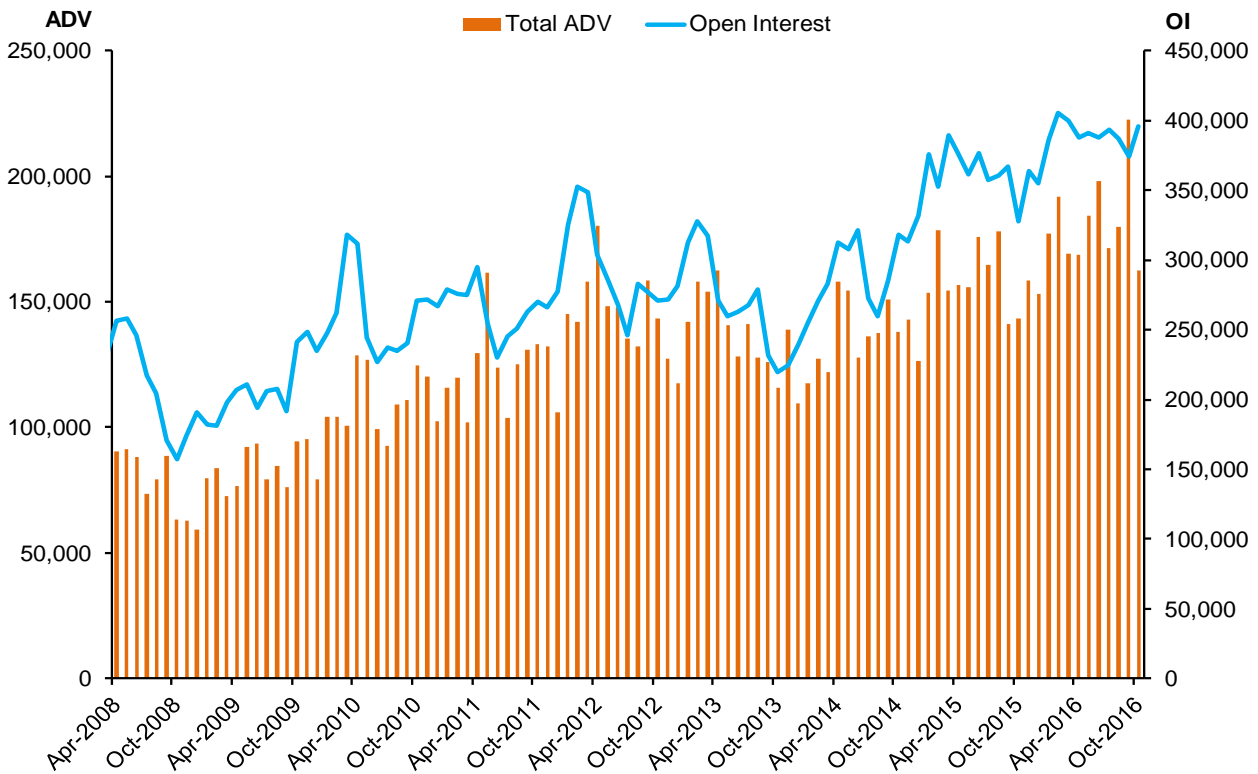
**Natural Gas Futures - Average Daily Volume (ADV) and Open Interest (OI)**



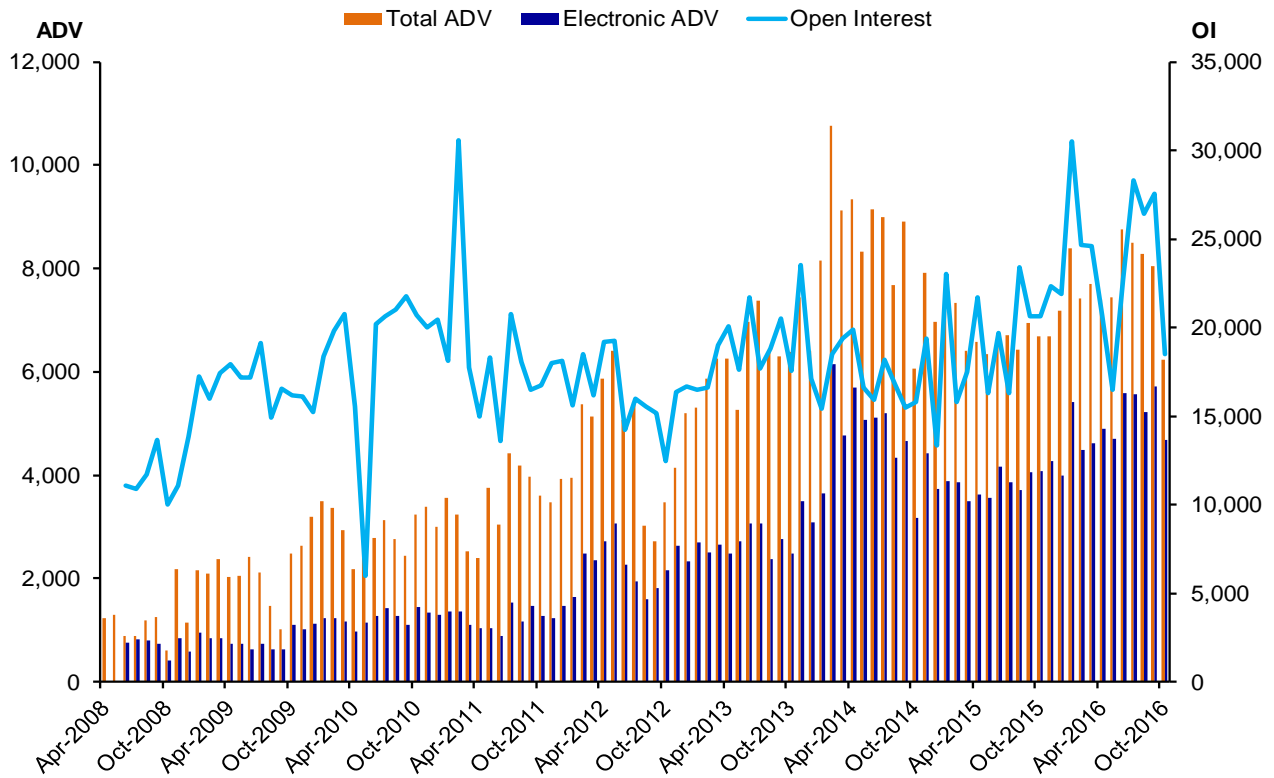
### NY Harbor ULSD Futures - Average Daily Volume (ADV) and Open Interest (OI)



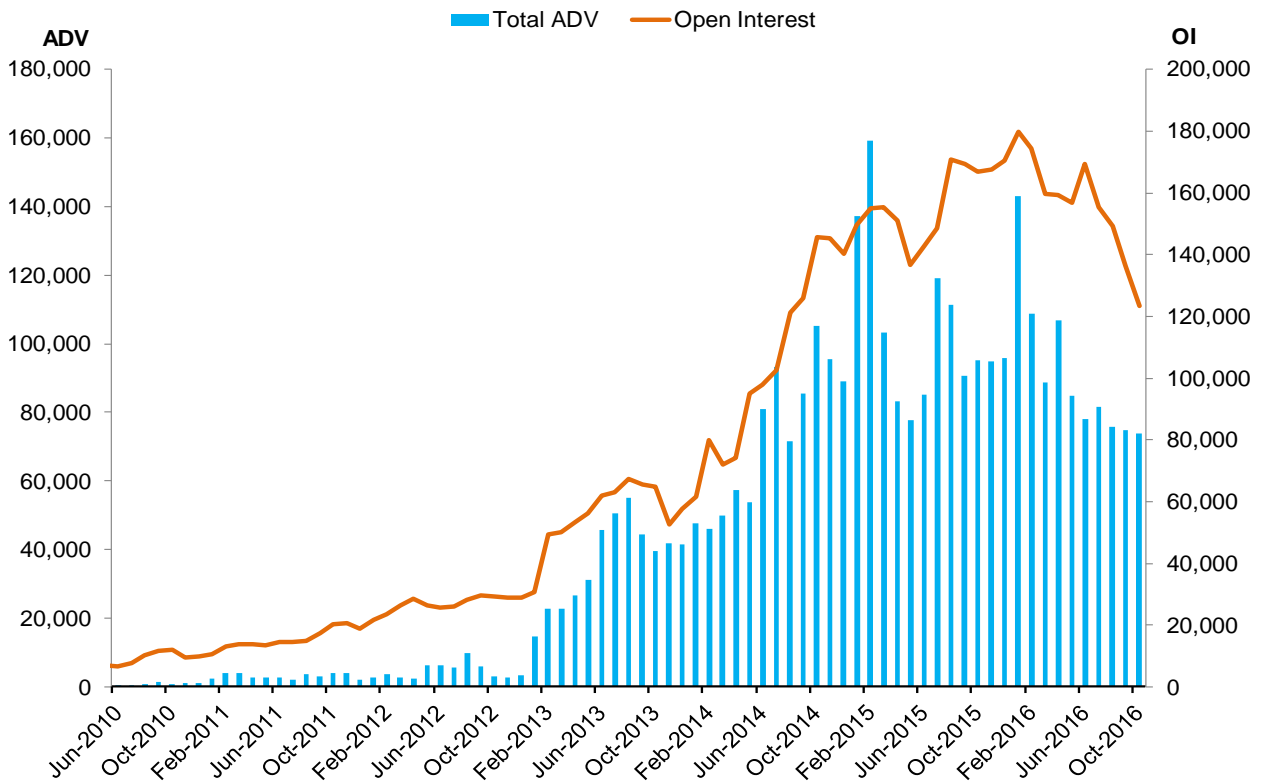
### RBOB Gasoline Futures - Average Daily Volume (ADV) and Open Interest (OI)



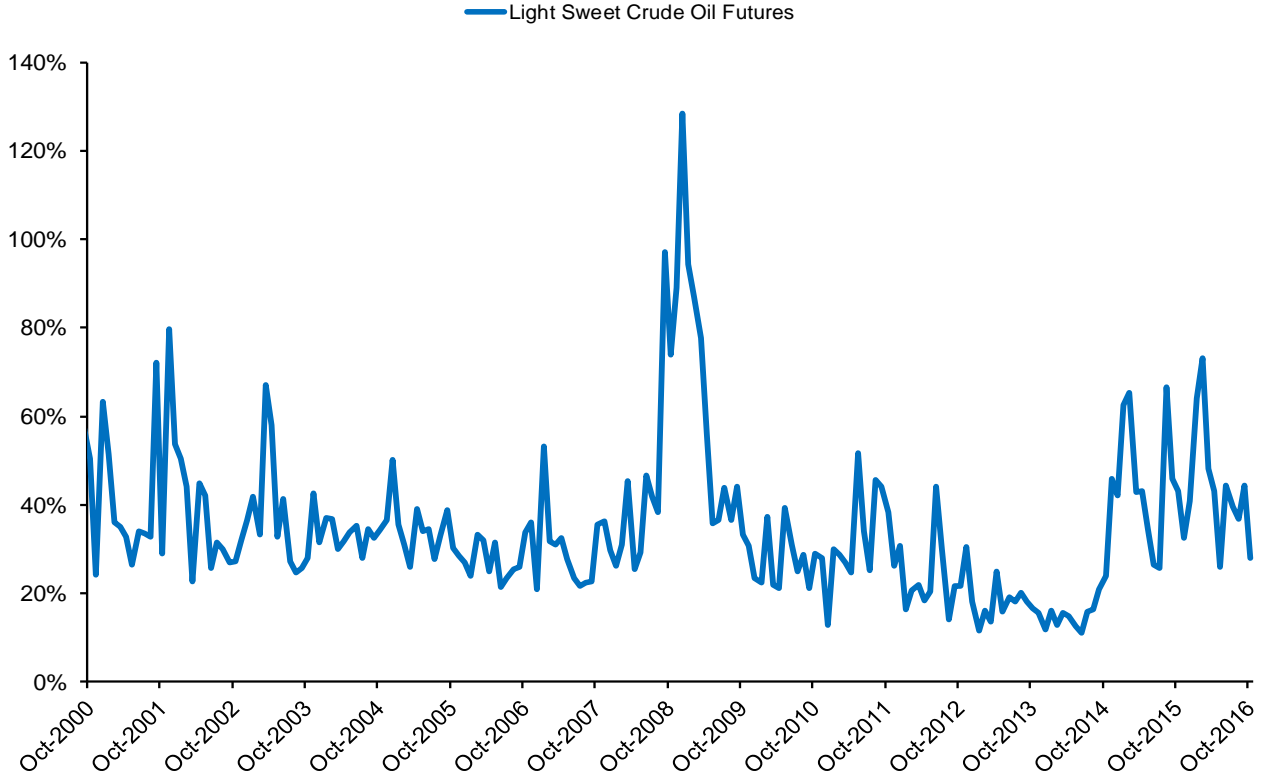
**DME Oman Crude Oil Futures - Average Daily Volume (ADV) and Open Interest (OI)**



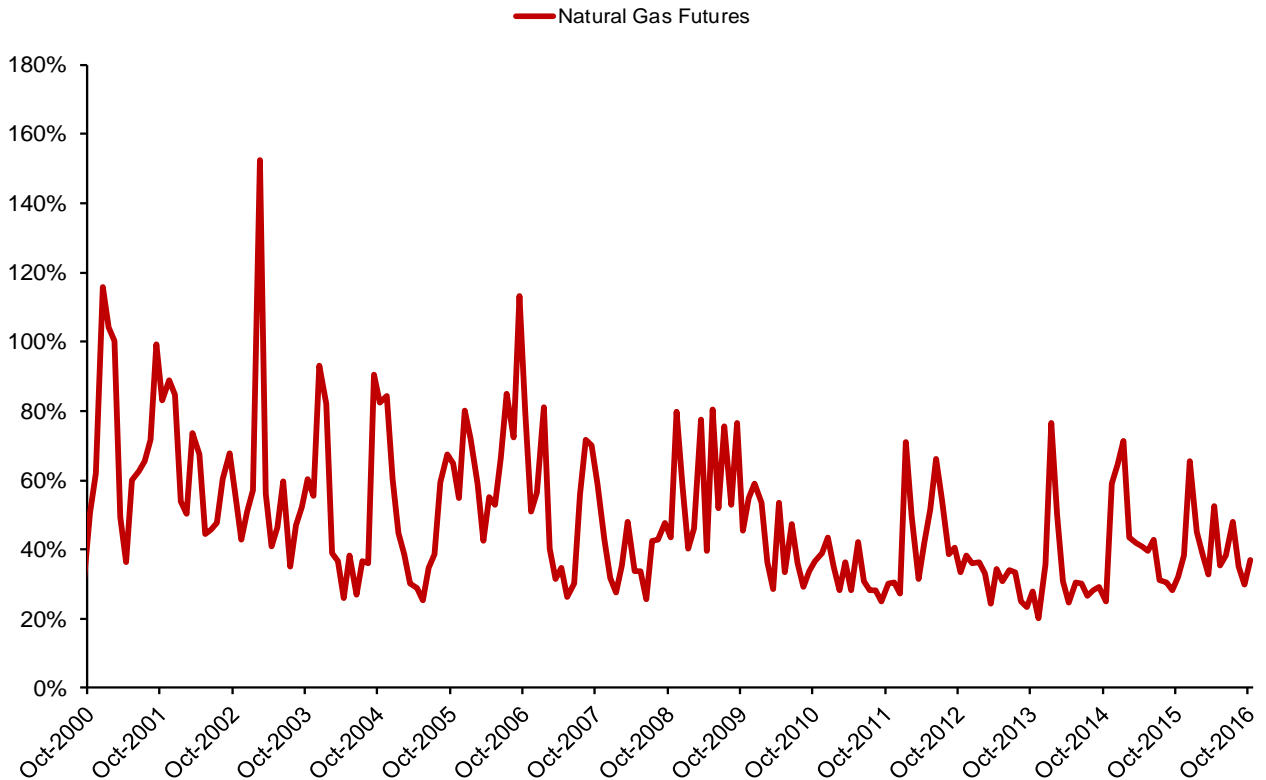
**Brent Crude Oil Financial Futures - Average Daily Volume (ADV) and Open Interest (OI)**



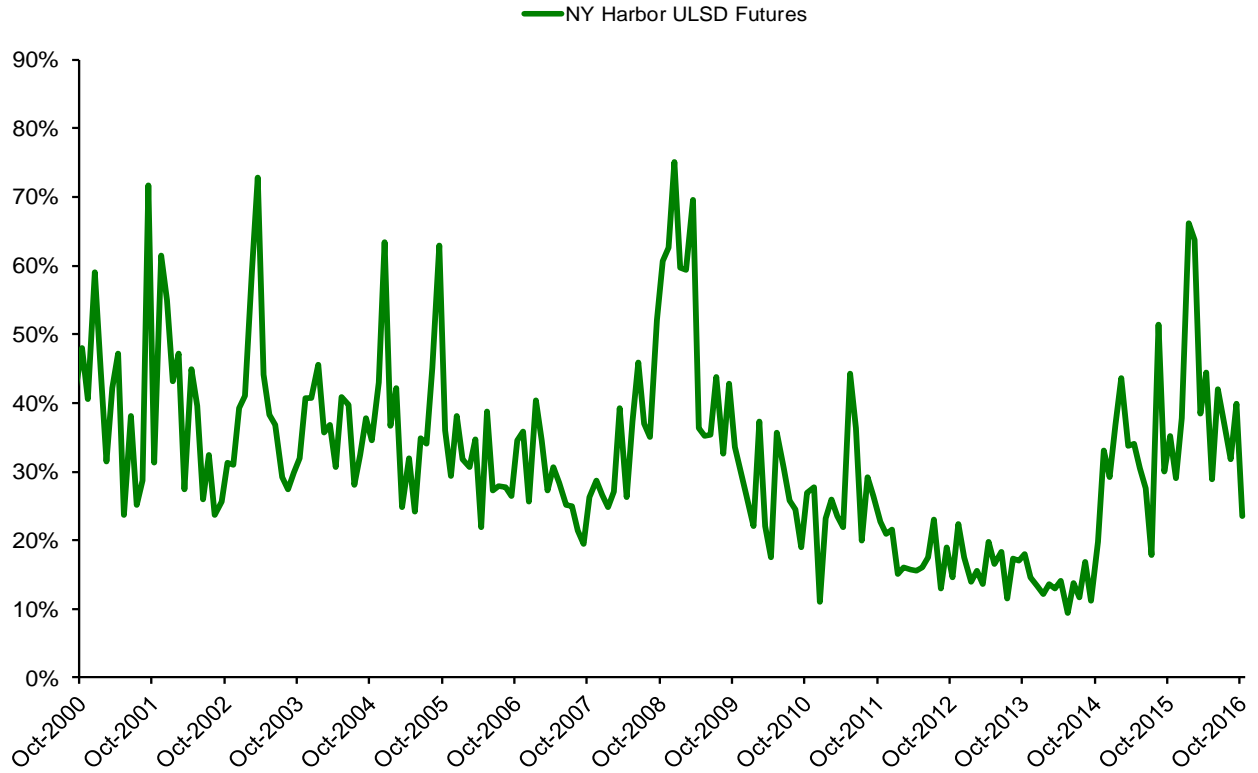
### Light Sweet Crude Oil Futures - 20-Day Historical Volatility



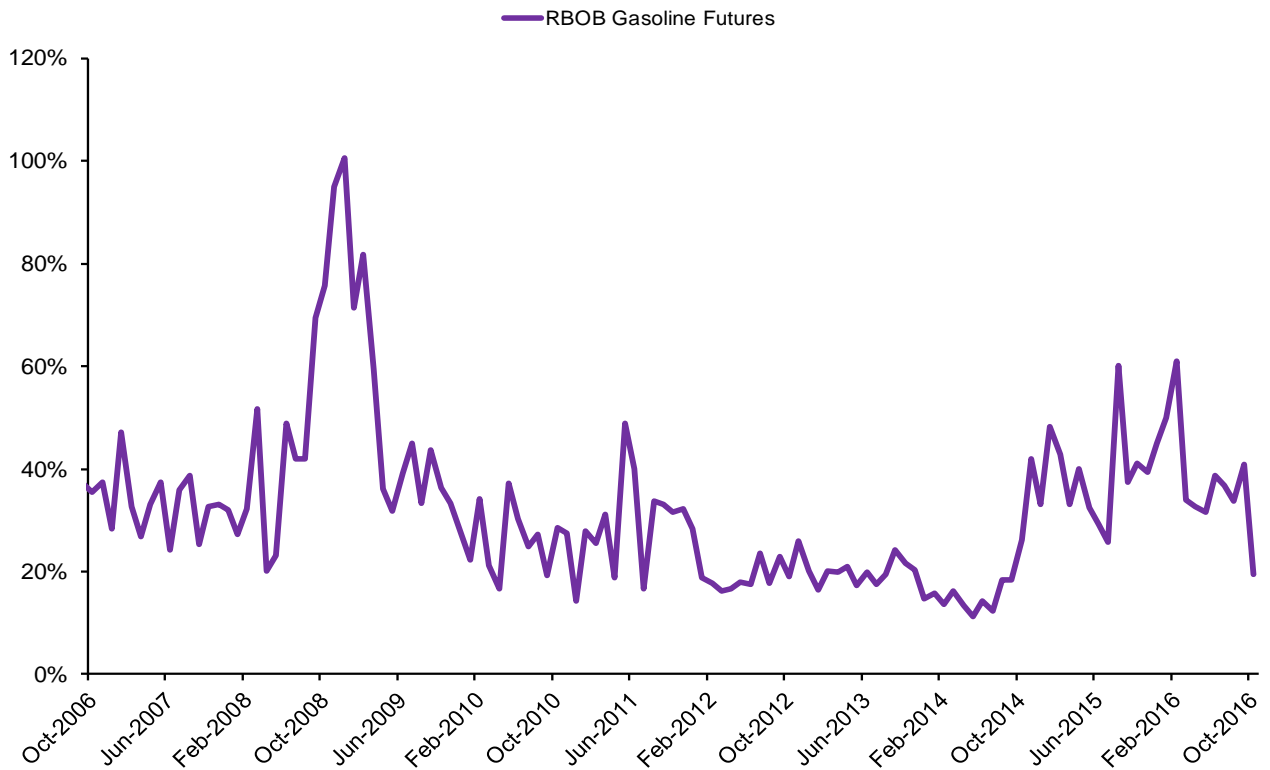
### Natural Gas Futures - 20-Day Historical Volatility



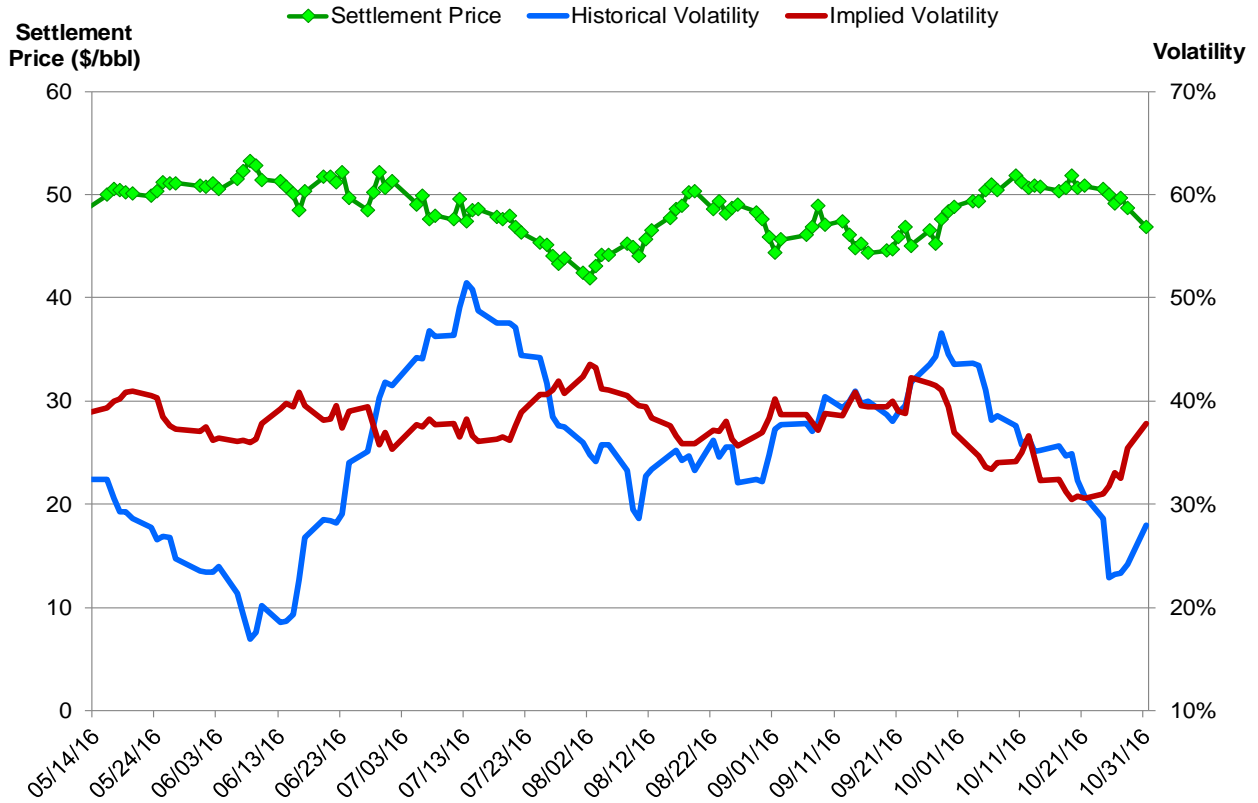
### NY Harbor ULSD Futures - 20-Day Historical Volatility



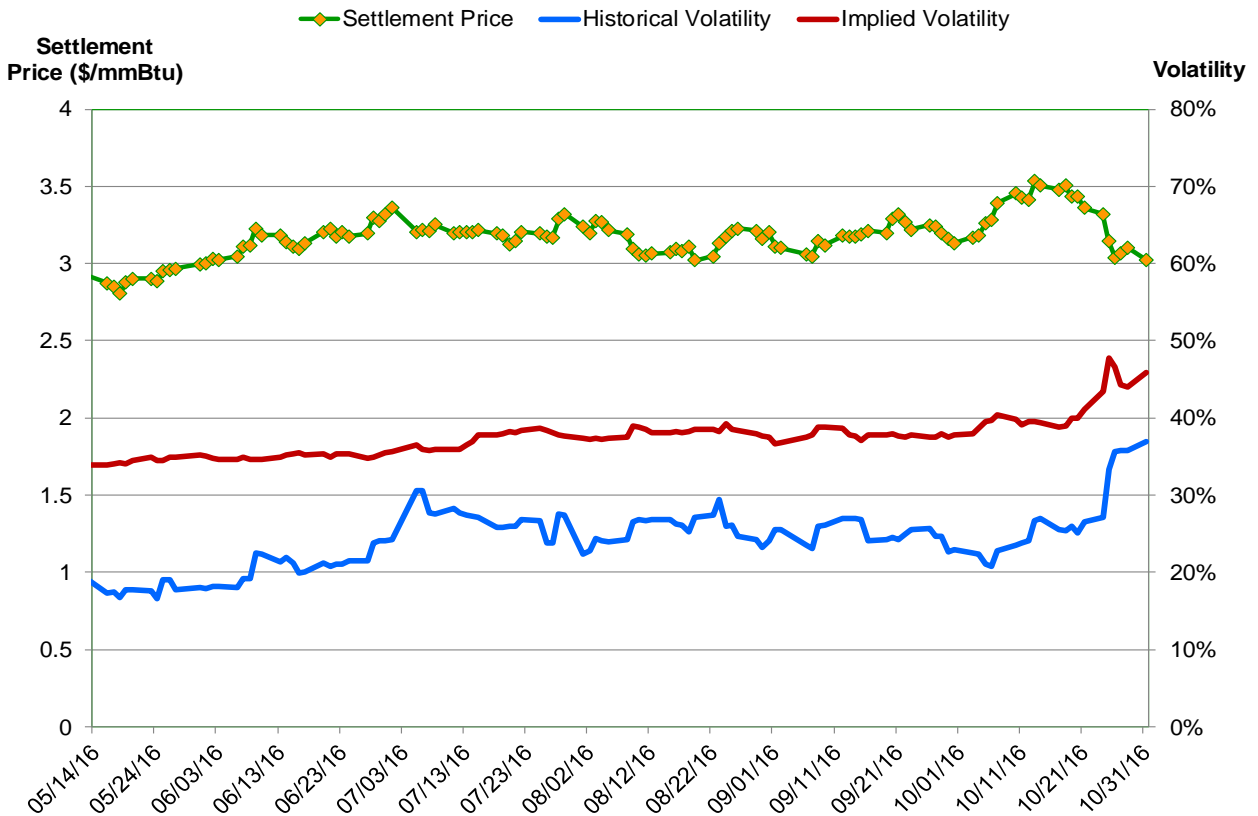
### RBOB Gasoline Futures - 20-Day Historical Volatility



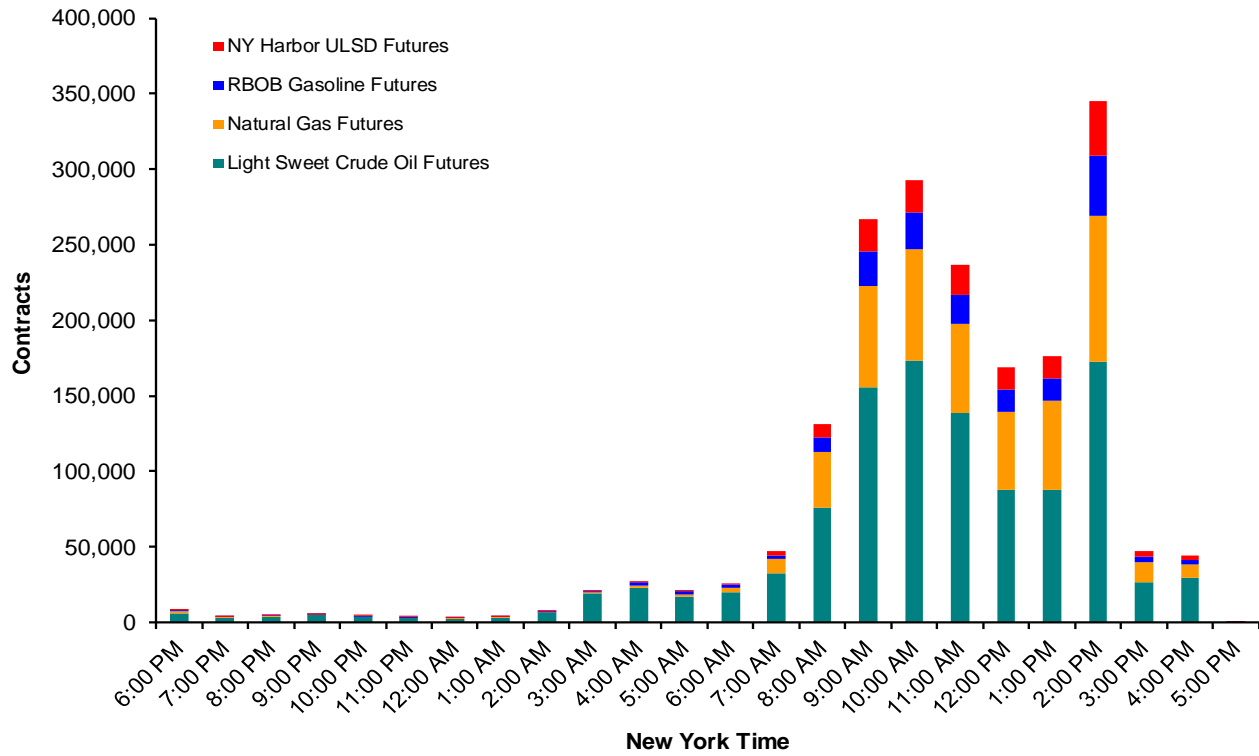
**Light Sweet Crude Futures - Spot Month, 20 Day Historical Volatility and Implied Volatility**



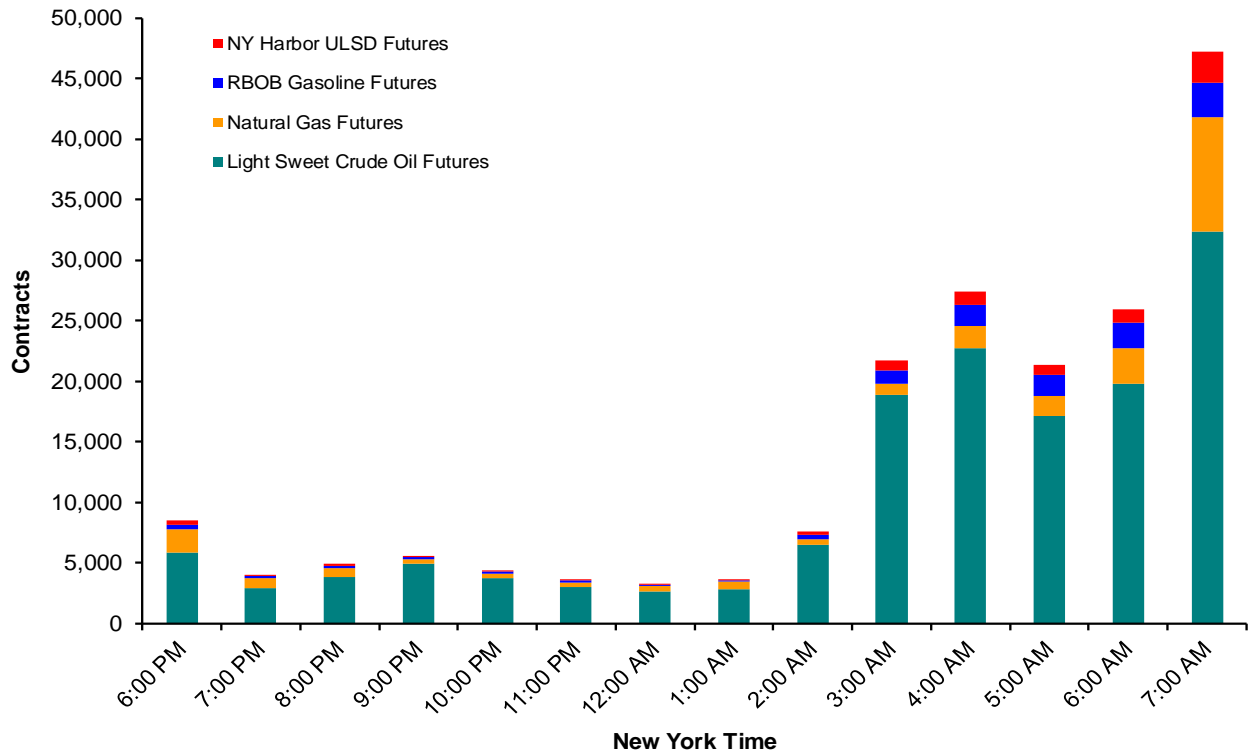
**Natural Gas Futures - Spot Month, 20 Day Historical Volatility and Implied Volatility**



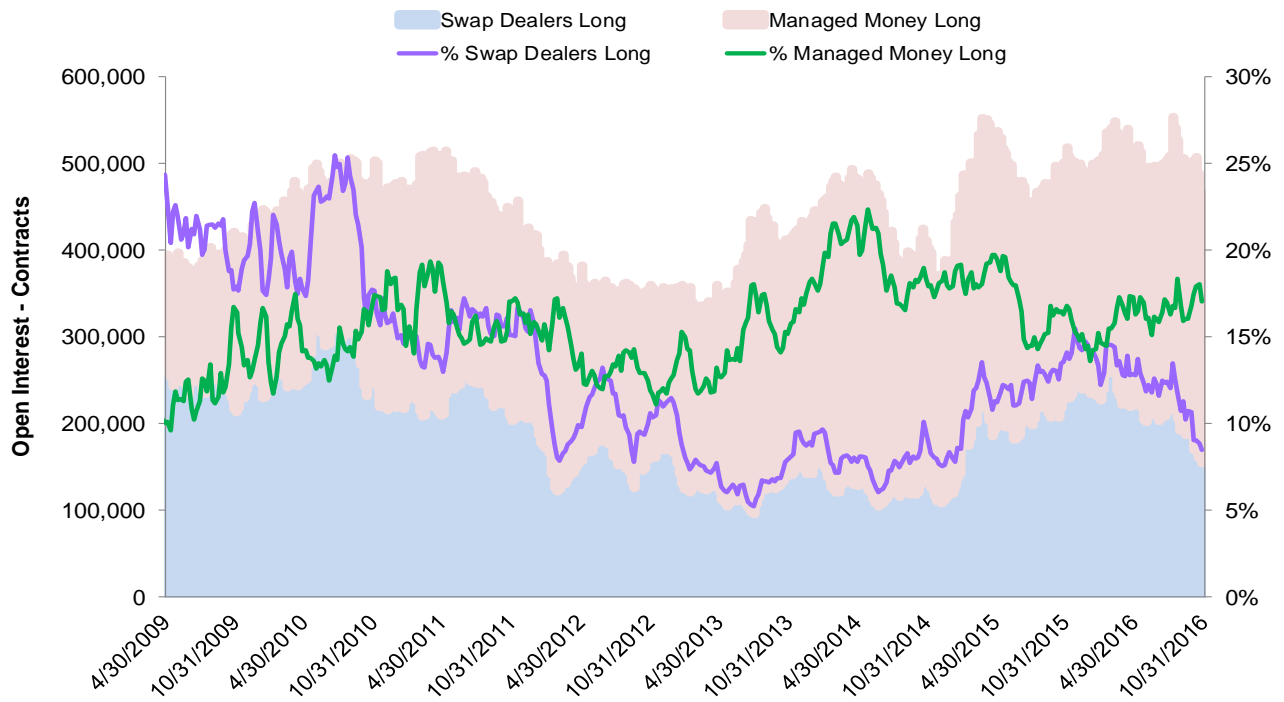
### Average Hourly Total Volume - All Hours - October 2016



### Average Hourly Total Volume - Extended Trading Hours - October 2016

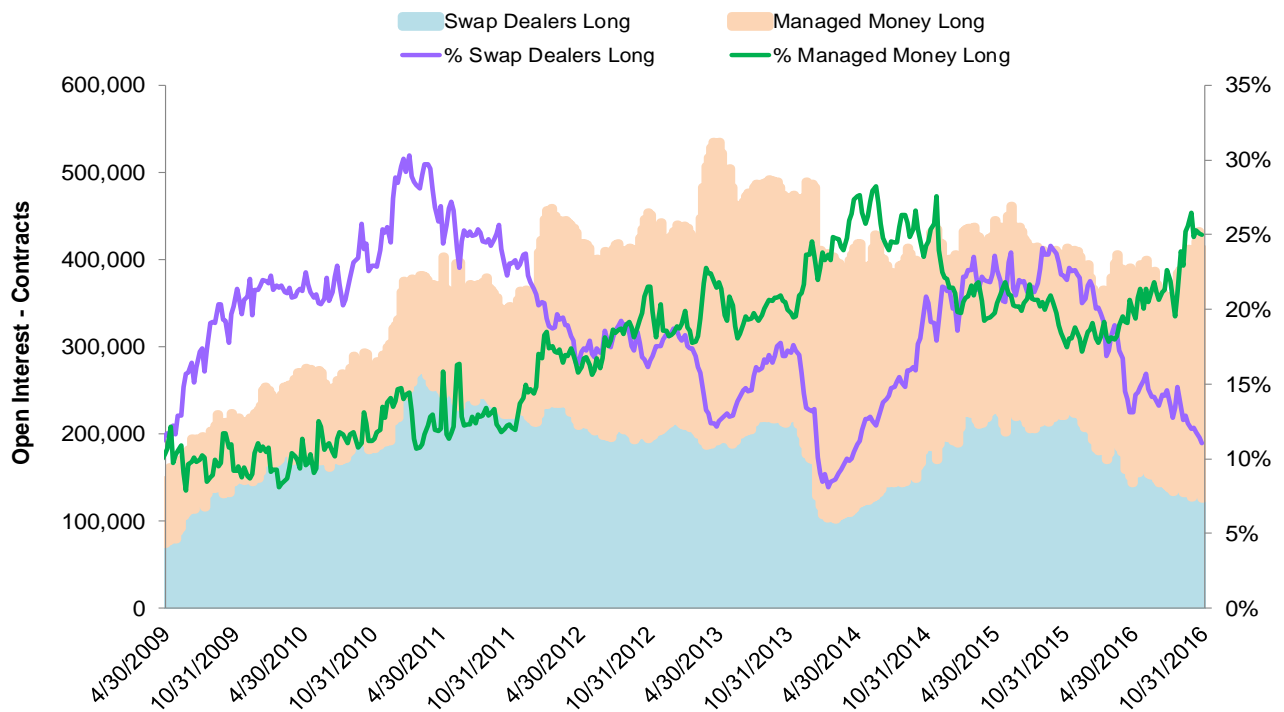


### CFTC COT Report - Light Sweet Crude Oil Futures Open Positions - Long



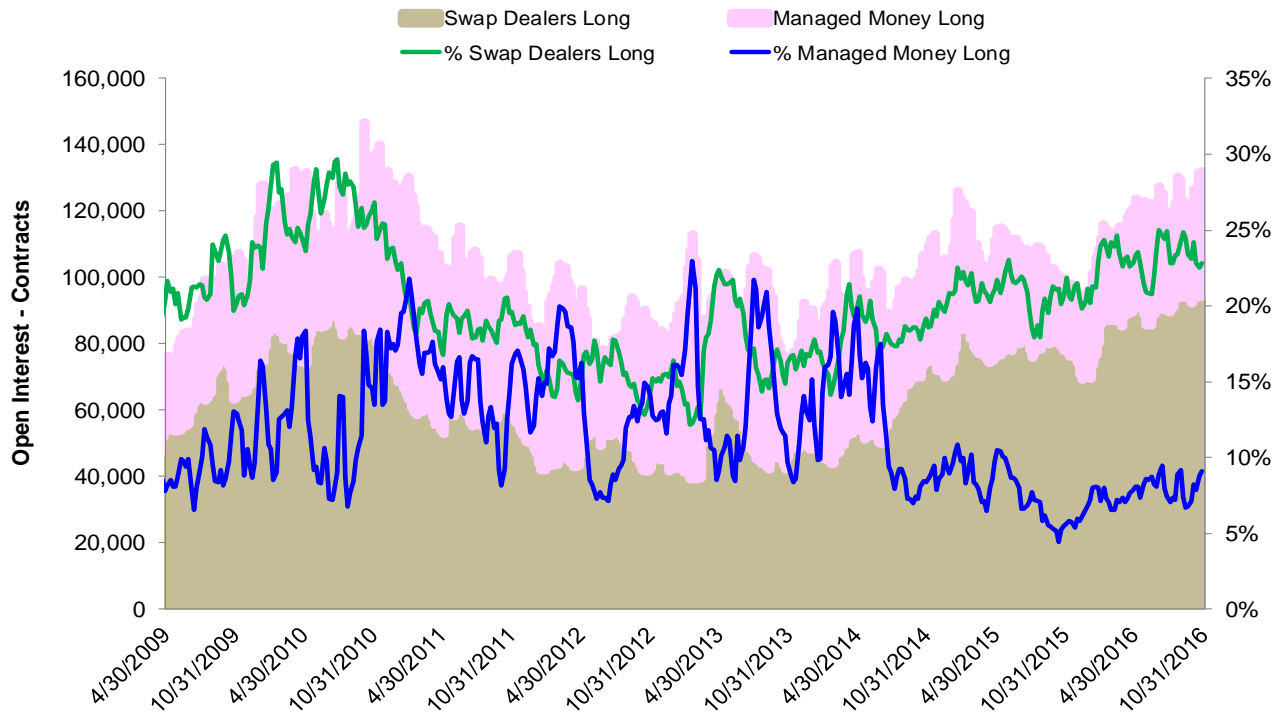
Source: CFTC

### CFTC COT Report - Natural Gas Futures Open Positions - Long



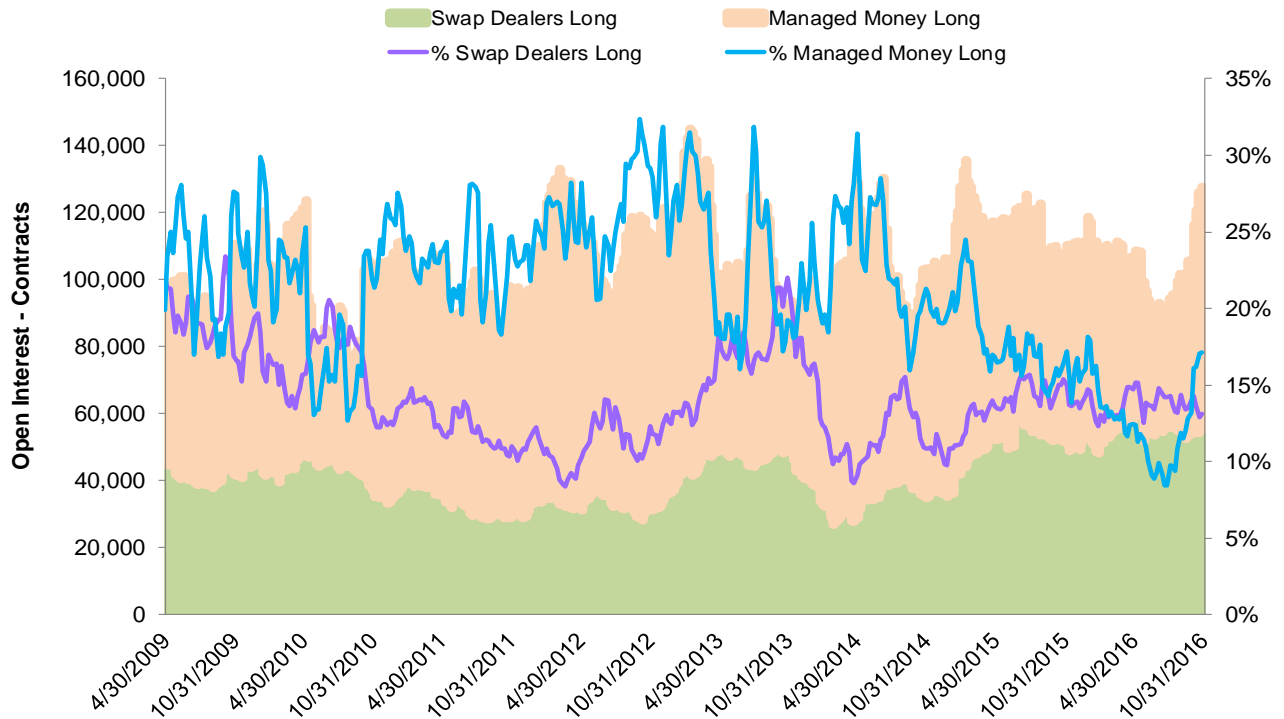
Source: CFTC

**CFTC COT Report - NY Harbor ULSD Futures Open Positions - Long**



Source: CFTC

**CFTC COT Report - RBOB Gasoline Futures Open Positions - Long**



Source: CFTC



#### CME GROUP HEADQUARTERS

20 South Wacker Drive  
Chicago, Illinois 60606  
cmegroup.com

#### CME GROUP GLOBAL OFFICES

**Chicago**  
+1 312 930 1000

**Singapore**  
+65 6593 5555

**Houston**  
+1 713 658 9292

**Tokyo**  
+81 3 3242 6228

**New York**  
+1 212 299 2000

**Calgary**  
+1 403 444 6876

**São Paulo**  
+55 11 2787 6451

**Washington D.C.**  
+1 202 638 3838

**London**  
+44 20 3379 3700

**Hong Kong**  
+852 2582 2200

**Seoul**  
+82 2 6336 6722

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