March 16, 2009 Natural Gas Trends

Highlights

DYNAMICS MAY SHIFT FOR SHALE, COAL, LNG

The Energy Information Administration's (ELA's) 3/10/09 Short-Term Energy Outlook and Platts' 3/12/09 and 3/13/09 issues of Gas Daily acknowledged anticipated shifts in the market dynamics for shale gas, coal and liquefied natural gas (LNG), as described in this issue of Natural Gas Trends.

SHALE vs. COAL
"If prices fall
further than
currently forecast,
natural gas will
become
increasingly
competitive with
coal for base load
power generation
in some regions."
EIA

Spot prices, natural gas. The Henry Hub natural gas spot price is expected to average \$4.67 per Mcf in 2009 compared to \$9.13 per Mcf in 2008 and \$7.17 per Mcf in 2007. In February of 2009, the Henry Hub spot price averaged \$4.65 per Mcf – only 36% of the June 2008 average of \$13.07. EIA attributes the decline in natural gas prices to the continued economic downturn and related weak demand.

Spot prices, crude oil. West Texas Intermediate (WTI) spot prices for crude oil are expected to average only \$42 per barrel in 2009, due to the global economic downturn. The WTI average spot price for crude oil averaged \$100 in 2008 and \$72 in 2007.

Consumption, natural gas. Total U.S. natural gas consumption is expected to decline by 1.3% in 2009. Industrial sector consumption is expected to decline by 6% in 2009. Electric power sector consumption is expected to grow by .4% in 2009.

Production, natural gas. Total U.S. marketed natural gas production, which increased by approximately 5.9% in 2008, is projected to remain flat in 2009. As of 3/6/09, the number of natural gas rigs working in the U.S. had declined by 43% since August 2008.

Imports, LNG.

U.S. imports of LNG are expected to increase slightly to 380 Bcf in 2009. LNG imports to the U.S. totaled about 350 Bcf in 2008 and 771 Bcf in 2007.

Shale gas development will tend to increase when LNG import prices are relatively high; shale gas development will tend to slow when LNG import prices are relatively low. Platts Gas Daily, 3/13/09 Interview with industry analyst Scott Thetford

SHALE vs. LNG

Source: <u>www.eia.doe.gov</u>

Data

- April Natural Gas Futures Contract (March 13), NYMEX at Henry Hub closed at \$3.932
- April Light, Sweet Crude Oil Futures Contract (March 13), NYMEX at Cushing closed at \$46.25 per Bbl. or approximately \$7.36 per MMBtu

Heating Degree Days

From 3/8/09 thru 3/14/09, Texas experienced cooler than normal weather while the U.S. overall had warmer than normal weather. For the heating season (7/1/08 to present), cumulative heating degree days were 14% below normal for Texas and normal for the U.S.

Source: www.cpc.ncep.noaa.gov

Heating Degree Days (HDD) Week ending 3/14/09

	8	Week	,	
	Week	HDD +/-	Year-to-	YTD, %
City or	Total	from	date Total	+/- from
Region	HDD	Normal *	HDD	Normal *
Amarillo	147	+15	3072	- 16 %
Austin	69	+27	1450	- 5 %
DFW	90	+26	1674	- 23 %
El Paso	80	+12	1823	- 21 %
Houston	56	+16	1078	- 23 %
San Antonio	64	+26	1014	- 31 %
Texas**	70	+14	1562	- 14 %
U.S.**	140	-4	3685	0 %

^{*} A plus (+) value = cooler than normal; a minus (-) value = warmer than normal. ** State and U.S. degree-days are population-weighted by NOAA.

U.S. Gas Storage Level Still Elevated at 1681 Bcf

For the week ending 3/6, U.S. working gas in storage declined from 1,793 Bcf to 1,681 Bcf, as compared to 1,410 Bcf in storage a year ago and 1,484 Bcf for the 5-year average from 2004 to 2008. Working gas in storage in the producing region (which includes Texas) dropped from 708 to 690 Bcf, as compared to 515 Bcf in storage a year ago and 522 Bcf for the 5-year average from 2004 to 2008.

U. S. Working Gas in Storage (Bcf) Week ending 3/6/09

Region	This Week	Last Week	Change	Current Δ from 5-Year Average (%)
East	703	793	-90	- 7.3 %
West	288	292	- 4	+ 40.5 %
Producing	690	708	-18	+ 32.2 %
Lower 48 Total	1681	1793	-112	+ 13.3 %

U.S. Gas Rigs Decline to 883

The U.S. gas rig count was down 32 for the week and down 557 when compared to 12 months ago. The U.S. total rig count was down 44 for the week and down 666 compared to 12 months ago.

Source: Baker Hughes, Inc.

Baker Hughes Rotary Rig Count (3/13/09)

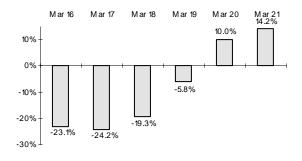
	This	+/- Last	Year	+/- Year
	Week	Week	Ago	Ago
U.S.	1126	-44	1792	-666
Gas	884	-32	1441	-557
Oil	228	-13	343	-115
Texas	456	-24	881	-425
N. Amer.	1346	-123	2302	-956

Rising U.S. Energy Use Expected This Week

Lower than normal energy use is forecasted for the U.S. thru 3/19, followed by above normal energy use on 3/20 and 3/21, according to the Dominion Energy Index, as shown below. The index forecasts total U.S. residential energy usage, a component of which is natural gas.

Source: Dominion Energy Index

U.S. Energy Use Forecast

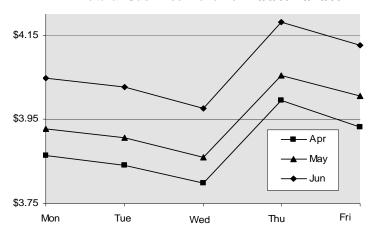


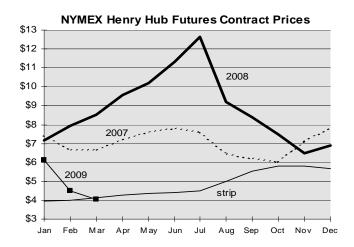
Report Predicts Switching From Coal to Gas

LCM Commodities released a report on 3/10 predicting that Southeast power markets may soon be ripe for power generators to switch from coal to natural gas because coal-fired generators there depend on expensive Appalachian coal and have high transportation costs while gas-fired generators "enjoy the advantage of cheaper gas."

Platts Gas Daily, 3/12/09

NYMEX Natural Gas Price Movement 3/9/09 - 3/13/09





Gas Price Summary 3/13/09				
		+/- Last	+/- Last	12-Month
	This Week	Week	Year	Strip Avg.
U.S. (April	Futures)			
NYMEX	\$3.932	-\$0.013	-\$5.638	\$4.782