

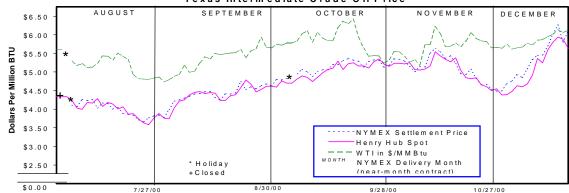
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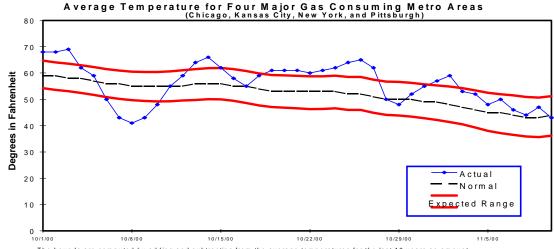
NYMEX Natural Gas Future Price, Henry Hub Spot Price, and West Texas Intermediate Crude Oil Price

HENRY HUB PRICE (\$ per MMBtu) **SPOT FUTURES** October November Del Del 11/13 5.56-5.63 5.698 11/14 5.75-5.84 6.016 11/15 5.88-6.00 6.265 11/16 5.79-5.97 5.798 5.54-5.73 11/17 6.100



ote: The Henry Hub spot price is from the GAS DAILY and is the midpoint of their high and low price for a day. The West Texas Intermediat rude oil price, in dollars per barrel, is the "sell price" from the GAS DAILY, and is converted to \$MM Btu using a conversion factor of 5.80 MBtu per barrel. The dates marked by vertical lines are the NYM EX near-month contract settlement dates.

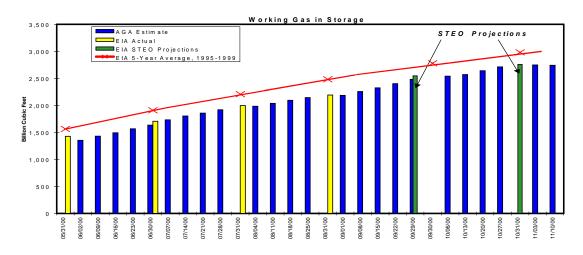
Average Temperature for Four Major Gas Consuming Areas **Actual Normal Diff** 11/11 42 45 -3 11/12 43 45 -2 11/13 38 45 -7 39 45 11/14 -6 11/15 37 45 -8 37 -9 11/16 46 35 -10 11/17 45



he bounds are computed by adding and subtracting from the average temperatures for the last 10 years an amount

equal to twice an estimate of the standard deviation for temperatures on a day.

Working Gas Volume as of 11/10/00		
	BCF	% Full
East	1682	92
West	372	74
Prod Area	688	72
U.S.	2742	83
Source: AGA		



The past week's market was highlighted by sharp price increases early in the week and a high degree of price volatility in its last two days of trading. Weather forecasts calling for the early winter temperatures that blanketed the West to move eastward, and the season's first report of net stock withdrawals, sent prices sharply higher last week especially on the West coast. Spot market prices at the Henry Hub moved up close to \$0.70 during the first three days, reaching \$5.94 per MMBtu on Wednesday. Prices retreated later in the week and by Friday traded for \$5.60 per MMBtu. The NYMEX futures contract for December reached a new all-time near-month-contract record high settlement price of \$6.265 per MMBtu on Wednesday before moving down on Thursday, then bounced back on Friday to end the week at \$6.10. The price of West Texas Intermediate crude oil moved up most days and ended the week at \$35.50 per barrel (\$6.12 per MMBtu)—its highest level in a month.

Storage: Total natural gas stock withdrawals exceeded injections by 6 Bcf during the week ended November 10, according to the American Gas Association (AGA) weekly storage survey. As of November 10, the United States had 2,752 Bcf of natural gas in storage, 6.0 percent less than the 5-year average. The early arrival of cold weather in the West Region contributed to a net stock withdrawal that more resembled averages seen later in the heating season. The regional draw of 11 Bcf left stocks at 301 Bcf or 18.9 percent below the 5-year (1995-99) average. A build of 4 Bcf in the East Region, which is unusual when compared with the 5-year average draw for the week of 27 Bcf, brought stocks in this important natural gas consuming area up to 1,784 Bcf. The availability of supplies to the East Region was further bolstered by a 1 Bcf addition in the Producing Region, an area that has a number of pipeline interconnections with the East. At 667 Bcf in stocks, the Producing Region has slightly improved its position relative to the 5-year average.

Spot Prices: The season's first period of cold weather arrived in the West as Denver and Salt Lake City recorded high temperatures in the teens for several days early in the week and the weather throughout the region was generally cooler-than-normal. Prices at most major markets moved up sharply in early trading last week, hitting their highs for the week on Wednesday as prices ranged from \$5.80 per MMBtu in the Midcontinent to \$8.20 at the California border. Prices softened at most markets that serve the eastern third of the country after midweek as the spread of cold temperatures eastward slowed. By Friday, prices in East Texas and along the Gulf Coast had dropped \$0.30 to \$0.40 per MMBtu and were trading in a \$5.30 to \$5.60 per MMBtu range. The high prices in the West continued, however, influenced by a combination of factors. Gas demand was increased not only by the cool temperatures, but also for electricity generation to make up for generation lost from long-delayed maintenance at several nuclear facilities in California and for low availability of hydroelectric power from the Northwest. In addition, there were gas transmission capacity reductions to the West Coast. This resulted in midpoint prices at California's PG&E and SOCAL citgyates of \$8.95 and \$9.60 per MMBtu, respectively, on Friday, with prices reaching a high of \$14.00 for a period of time on SOCAL.

Futures Prices: The intra-day trading and settlement prices for the near-month (December) NYMEX contract displayed some of their sharpest levels of volatility in months. On Tuesday and Wednesday the contract reached new record high settlement prices at \$6.016 and \$6.265 per MMBtu, respectively. On Thursday the December contract plunged almost \$0.48, but then rebounded on Friday, gaining over \$0.30. Trading on Friday saw the December contract open at \$5.75, decline to a low of \$5.625, reach a high of \$6.14, then settle at \$6.10 per MMBtu. The Friday trading range was \$0.52 per MMBtu; on Monday it had only been \$0.13. The settlement price for the January contract displayed a similar pattern as it reached a high for the week of \$6.231 on Wednesday, then ended the week at \$6.083 per MMBtu. Trading on the February and March contracts also moved up but at a slower pace as they settled on Friday at \$5.70 and \$5.235 per MMBtu, respectively.

Summary: Low temperatures in the West and the heating season's first report of net stock withdrawals in that region saw prices move up sharply on the spot market then decline after midweek at most locations. The exception was in the far West where prices in California traded above \$9.00 per MMBtu at the end of last week. Prices on the NYMEX displayed considerable daily and intra-day volatility, and the near-month (December) contract closed out the week at \$6.10 per MMBtu—a gain of \$0.65 from the previous Friday.