



Competitive Energy Services Weekly Market Summary

September 18 - 22, 2017

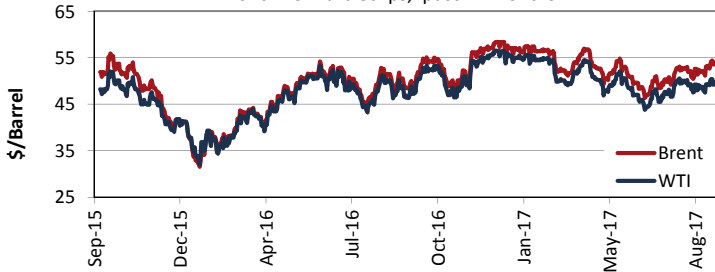
Synopsis of Last Week's Energy Markets

Crude oil prices traded in a very narrow range and ultimately saw little overall change for the week. Domestic production is up for the second straight week, but OPEC reported increased compliance with production cuts in September. Natural gas futures fell 2% last week after reaching a 3-month high on Monday. The forecasted heat wave in the eastern U.S. has been milder than expected, and the gas inventory surplus has expanded to 2% following Hurricane-related outages and low power burn demand in the South.

Oil Market

Crude Oil - WTI & Brent

12-Month Forward Strips, past 24 months

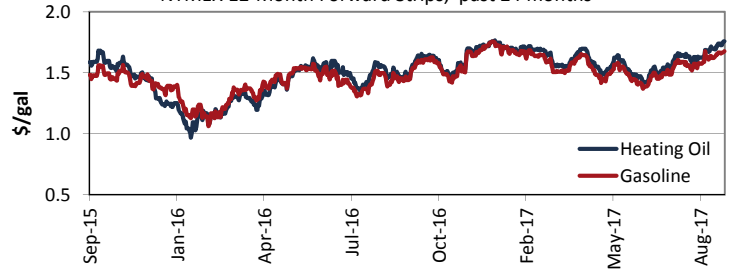


NYMEX WTI	last close	previous week	24-month high	24-month low
12 month strip, \$/bbl	\$51.39	\$51.09	\$56.70	\$32.40
date	9/22/17	9/15/17	1/6/17	1/20/16
change from last close		0.6%	-9.4%	59%

US STORAGE (in million bbls)		crude oil
domestic stocks as of	9/15/17	473
gain / loss from previous week		4.6
comparison to historic range		within

Heating Oil & Gasoline

NYMEX 12-Month Forward Strips, past 24 months



NYMEX Heating Oil	last close	previous week	24-month high	24-month low
12 month strip, \$/gal	\$1.76	\$1.74	\$1.76	\$0.97
date	9/22/17	9/15/17	1/2/17	1/20/16
change from last close		1.2%	0%	82%

US STORAGE (in million bbls)		distillate	propane	gasoline
domestic stocks as of	9/15/17	139	81	216
gain / loss from previous week		-5.7	-1.4	-2.1
comparison to historic range		within	within	within

Natural Gas Market

NYMEX Henry Hub Futures: 12 Month Forward Strip

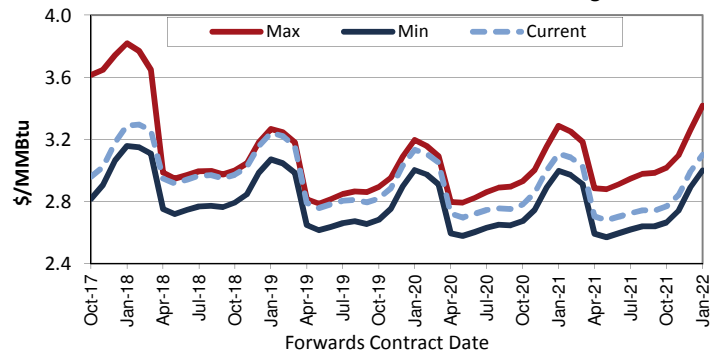


NYMEX PRICING	last close	previous week	24-month high	24-month low
12 mo. strip, \$/MMBtu	\$3.06	\$3.09	\$3.70	\$2.11
date	9/22/17	9/15/17	12/28/16	2/25/16
change from last close		-1.1%	-17%	45%

CES SCORE	
12 month	47
18 month	35
24 month	32
36 month	34

The Score provides a measure of how current prices compare to their 52-week range. A score close to 0 indicates that current prices are close to their 52-week highs; a score close to 100 indicates that current prices are close to their 52-week lows.

NYMEX Natural Gas Forwards vs. 1 Year Range



FORWARDS	12 month	18 month	24 month	36 month
strip (\$/MMBtu)	\$3.06	\$3.08	\$3.01	\$2.96

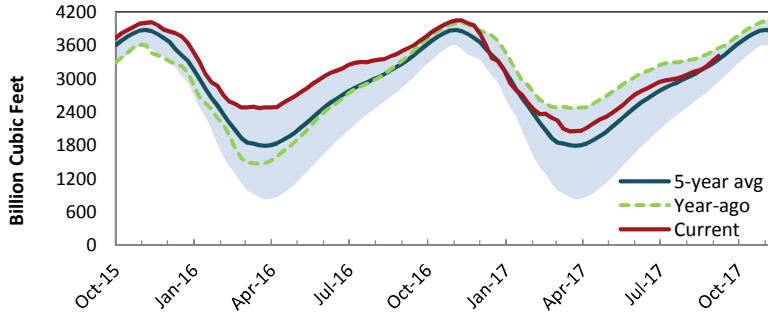
Natural gas futures are useful for both natural gas and electricity consumers because they drive electricity pricing in many U.S. markets. This chart compares the current natural gas price for each forward month on the NYMEX exchange to the highest and lowest prices for the same month over the past 12 months.



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Natural Gas Storage

Working Gas in Underground Storage Compared With 5-Year Range



This chart shows the amount of natural gas in storage at each point in time (red line) compared to the highest, lowest, and average amounts in the past 5 calendar years.

EIA Storage Data	date	Bcf	+ / -
Previous Stock Level	9/8/17	3,311	
Most Recent Stock Level	9/15/17	3,408	
Year-ago Stock Level		3,544	-3.8%
5-Year Average Stock Level		3,341	2.0%
Most Recent Net Change	9/15/17	97	
Year-Ago Net Change		54	
5-Year Average Net Change		73	

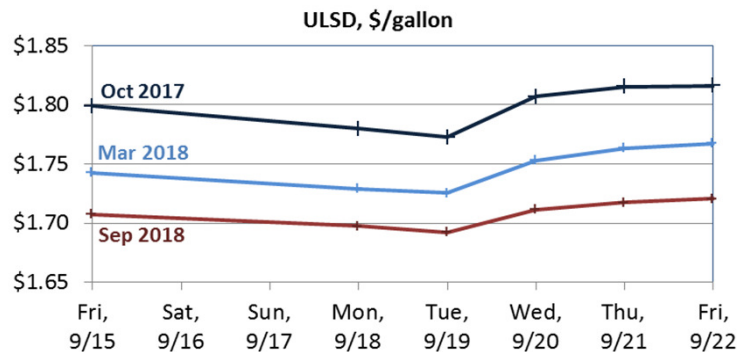
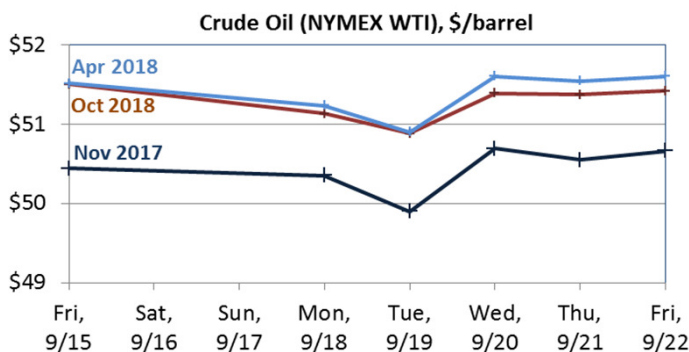
Data Source: EIA <http://tonto.eia.doe.gov/oog/info/ngs/ngs.html>

Market Assessment

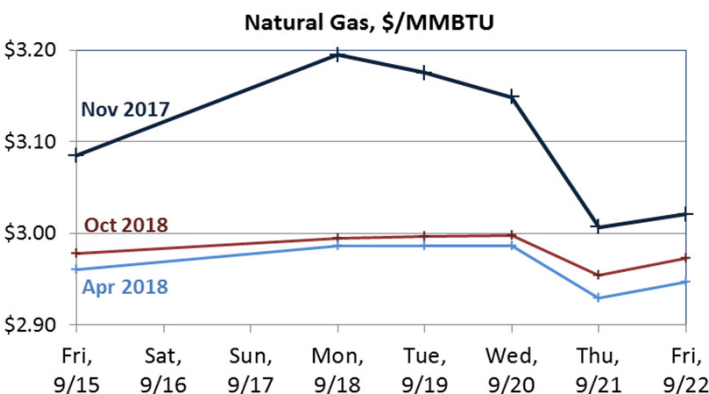
NYMEX Futures Summary Statistics

	Last Expired Contract	Exp. Date	Price	Prompt Month	Price	Most Expensive Next 12 Months	Price	Least Expensive Next 12 Months	Price	Next Winter Avg (Nov17-Mar18)
Crude oil	Oct-17	8/22/17	\$50.41	Nov-17	\$50.66	Apr-18	\$51.60	Nov-17	\$50.66	\$51.21
Heating oil	Sep-17	8/31/17	\$1.76	Oct-17	\$1.82	Oct-17	\$1.82	Jul-18	\$1.72	\$1.79
Natural gas	Sep-17	8/29/17	\$2.96	Oct-17	\$3.02	Feb-18	\$3.30	May-18	\$2.92	\$3.21

NYMEX End-of-Day Settlements



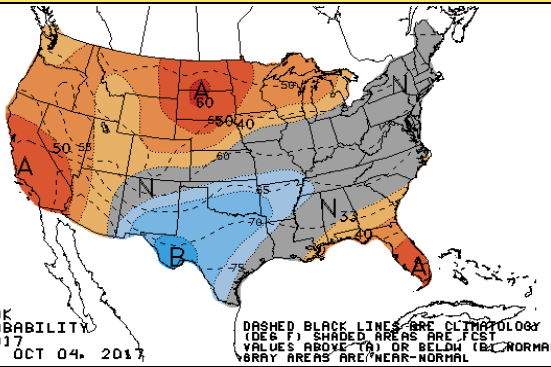
Crude oil was fairly stable last week. Prices dipped Monday and Tuesday on anticipation of a bearish EIA inventory report. The report, released mid-week, showed a second consecutive increase in domestic production and a build in both total US crude stocks and at the NYMEX storage hub in Cushing, Oklahoma. Despite the confirmation of expectations, oil prices climbed as OPEC reported that the overall compliance rate for its coordinated production cuts was 116% in September. Members of the OPEC-led production cuts gathered late in the week to discuss extending or deepening the cuts, but ultimately decided that no action was necessary at this time. Prices ended the week close to where they started.



Natural gas prices were volatile last week, jumping 10.5 cents on Monday only to fall only to fall later in the week. Early forecasts indicated that the Eastern US would see a wave of above-average temperatures that could deliver a late-season boost in cooling demand, but expectations shifted toward more mild conditions, weighing on the market. Prices plummeted on Thursday when EIA reported an injection of 97 Bcf, far surpassing the average injection of 73 Bcf as outages suppressed generation demand for the report week. Injections are expected to be typical in coming weeks as power burn has rebounded in Florida, restoring pre-Irma demand. October futures fell 6.5 cents over the week, closing at \$2.95 on Friday.

The National Weather Service near-term forecast is mixed; but most of the Midwest and up through the Eastern Seaboard are expected to see normal temperatures. The natural gas market scores on page 1 improved from the previous week. Clients with electricity or natural gas contracts expiring in 2017 or 2018 should consult with a CES representative for customized guidance.

National Weather Service Forecast



6 - 10 Day Forecast for Sep 30 - Oct 4

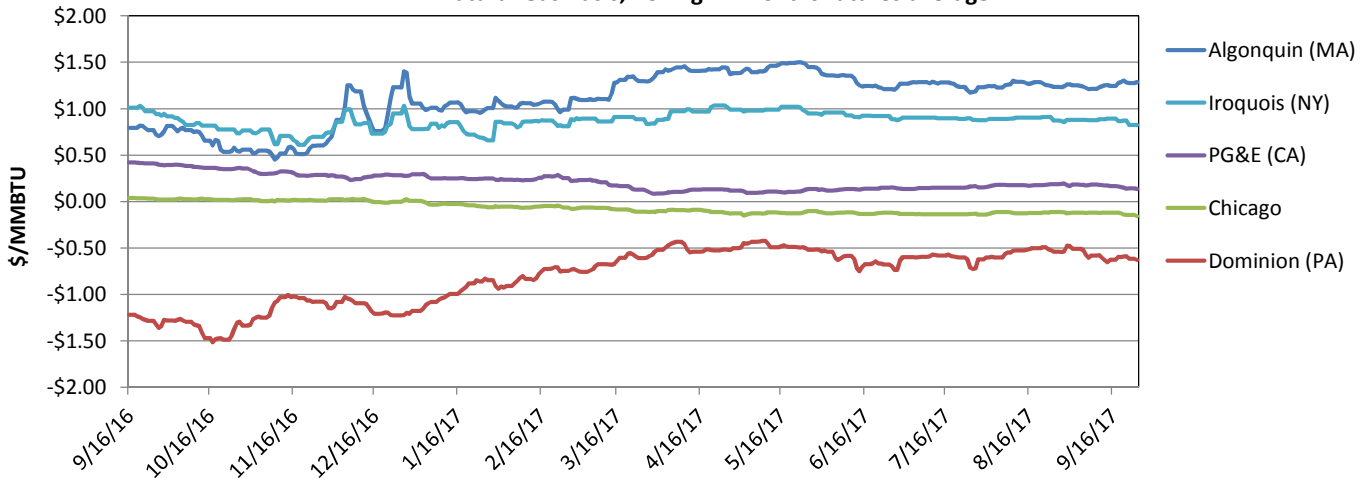
This map depicts forecasted temperatures for next week compared to the long term average. The blue/purple areas are forecast to be colder than normal, white areas are normal, and yellow/orange/red areas are warmer than normal. Abnormally hot weather in the summer and cold weather in the winter can increase the price for natural gas, oil, and electricity.

Source: Chart from the National Weather Service Climate Prediction

Natural Gas Basis Futures

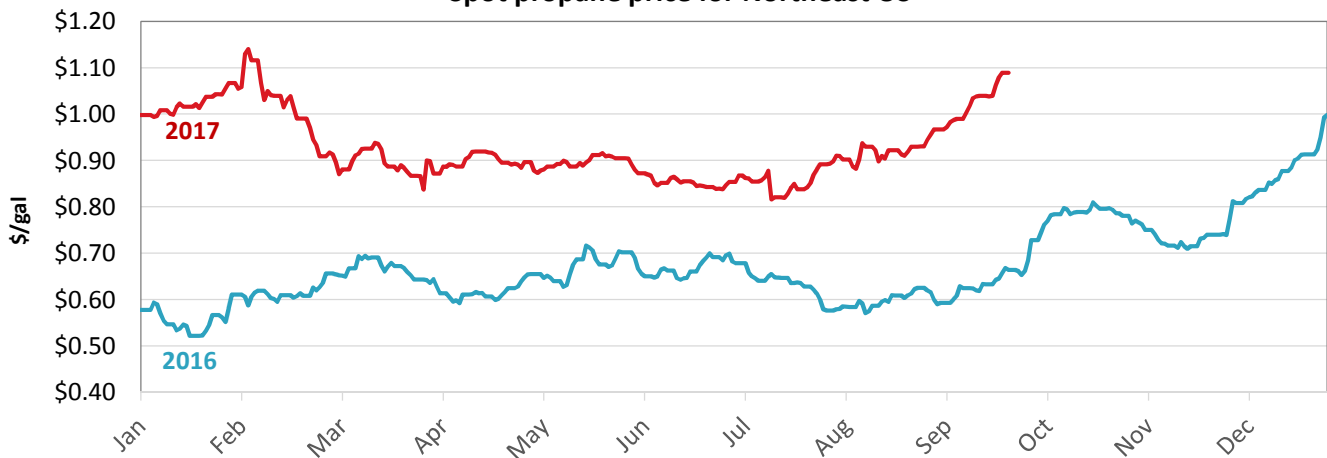
Basis is the price differential between Henry Hub, located in Erath, Louisiana, and the liquidity point closest to the end-user. Because Henry Hub is used as the delivery point for NYMEX natural gas futures contracts, the cost of using natural gas in any geographic region of the country can be approximated by adding the basis price for the appropriate liquidity point to the NYMEX futures contract. Basis prices can be negative (indicating that natural gas at a liquidity point is cheaper than at the Henry Hub) or positive (indicating that natural gas at a different liquidity point is more expensive than at the Henry Hub). Basis prices are a key component of regional electricity and natural gas costs.

Natural Gas Basis, Rolling 12 months futures average



Propane

Spot propane price for Northeast US



Spot Prices

		New England ISO Real Time Power Pricing By Zone (\$/MWh)							Avg	
		9/18/17	9/19/17	9/20/17	9/21/17	9/22/17	9/23/17	9/24/17		
Power (\$/MWh)	Maine RT On Pk	43	54	32	25	30			37	
	Maine RT Off Pk	23	21	17	22	16	21	42	23	
	NH RT On Pk	44	30	33	26	30			33	
	NH RT Off Pk	24	22	17	22	16	22	43	24	
	Vermont RT On Pk	44	30	33	26	30			33	
	Vermont RT Off Pk	24	22	17	22	16	22	43	24	
	Connecticut RT On Pk	44	31	33	27	31			33	
	Connecticut RT Off Pk	24	22	17	23	16	22	43	24	
	Rhode Island RT On Pk	42	29	32	25	29			32	
	Rhode Island RT Off Pk	23	21	17	22	16	21	42	23	
	NE Mass RT On Pk	43	30	33	26	30			32	
	NE Mass RT Off Pk	24	21	17	22	16	21	43	23	
	SE Mass RT On Pk	42	29	32	25	30			32	
	SE Mass RT Off Pk	23	21	17	22	16	21	42	23	
	WC Mass RT On Pk	43	30	33	26	30			32	
	WC Mass RT Off Pk	24	22	17	22	16	22	43	24	
		New York ISO Real Time Power Pricing By Zone (\$/MWh)							Avg	
Power (\$/MWh)	Capital RT On Pk	40	39	33	27	30			34	
	Capital RT Off Pk	24	24	21	22	15	25	32	23	
	Central RT On Pk	39	39	32	27	31			34	
	Central RT Off Pk	24	23	20	21	14	24	31	22	
	Hudson RT On Pk	40	40	34	28	31			35	
	Hudson RT Off Pk	25	25	21	22	15	26	33	24	
	Mohawk RT On Pk	40	40	33	27	31			34	
	Mohawk RT Off Pk	24	24	20	21	14	24	31	23	
	Milwood RT On Pk	40	41	34	28	32			35	
	Milwood RT Off Pk	25	25	21	22	15	26	33	24	
	NYC RT On Pk	41	41	38	34	32			37	
	NYC RT Off Pk	25	25	23	24	15	29	35	25	
			PJM Real Time Power Pricing By Zone (\$/MWh)							Avg
	Power (\$/MWh)	Eastern Hub On Pk	39	33	68	95	35			54
		Eastern Hub Off Pk	23	23	23	21	18	34	34	25
		Western Hub On Pk	36	43	66	119	25			58
Western Hub Off Pk		24	23	23	21	19	25	25	23	
PPL Zone On Pk		33	44	70	122	25			59	
PPL Zone Off Pk		23	22	23	21	17	25	25	22	
AEP RT On Pk		44	47	70	146	50			71	
AEP RT Off Pk		27	25	25	22	22	33	33	27	
Chicago RT On Pk		33	42	58	140	55			66	
Chicago RT Off Pk		(7)	20	16	22	21	29	29	19	
New Jersey Hub On Pk		33	36	50	90	25			47	
New Jersey Hub Off Pk		23	22	23	21	18	26	26	23	
		California ISO Real Time Power Pricing (\$/MWh)							Avg	
Power (\$/MWh)		SoCal Edison RT On Pk	22	15	29	46	12			25
		SoCal Edison RT Off Pk	24	25	25	28	24	24	21	24
		9/18/17	9/19/17	9/20/17	9/21/17	9/22/17	9/23/17	9/24/17	Avg	
Natural Gas \$/MMBtu	Henry Hub, LA	3.10	3.14	3.14	3.11	2.94			3.09	
	TZ6, MA	2.09	2.44	2.67	1.94	2.51			2.33	
	Algonquin, MA	2.14	2.42	2.78					2.45	
	Chicago Hub, IL	3.00	3.02	3.04	2.96	2.88			2.98	
	New York, NY	1.55	1.80	1.87	1.53	1.40			1.63	
	Dominion South, PA	1.45	1.70	1.78	1.49	1.30			1.54	
	Opal Hub, WY	2.75	2.70	2.65	2.61	2.50			2.64	
	PG&E Citygate, CA	3.39	3.36	3.31	3.22	3.14			3.29	
	Kern River Deliveries	2.82	2.78	2.73	2.68	2.57			2.72	