



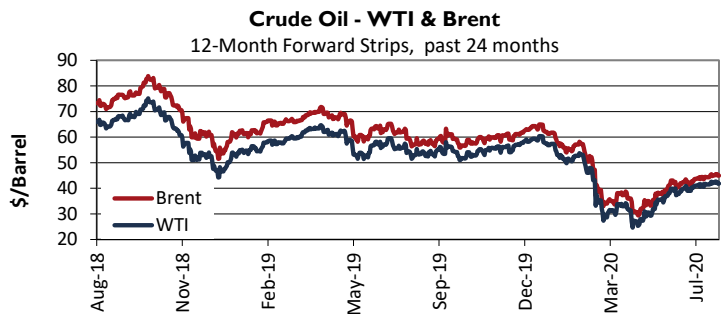
# Competitive Energy Services Weekly Market Summary

July 27 - 31, 2020

## Synopsis of Last Week's Energy Markets

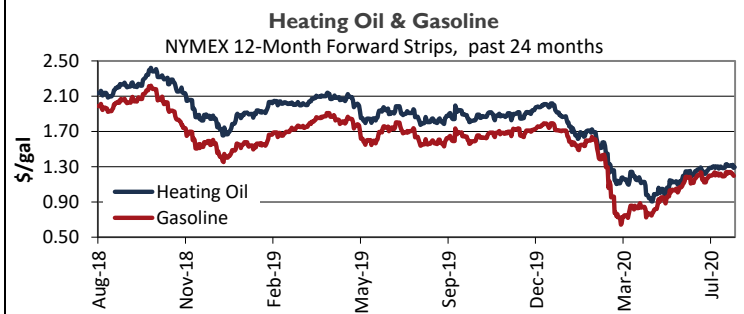
Crude oil prices ended Friday \$40.18/barrel, a 2.6% decrease from the week prior. Mid-week gains following large stock draws were overcome by a steep decline fueled by news of economic contraction in the U.S. Following a midweek surge Natural Gas prices fell to \$1.81/MMBtu Friday following news of larger than expected storage injections. Gas inventories climbed to 15% above the 5-year average despite sustained heat across the U.S. Analysts project cooler temperatures could suppress demand through early August.

## Oil Market



NYMEX WTI	last close	previous week	24-month high	24-month low
12 month strip, \$/bbl	\$41.76	\$42.23	\$75.39	\$23.66
date	7/31/20	7/24/20	10/3/18	4/21/20
change from last close		-1.1%	-44.6%	76%

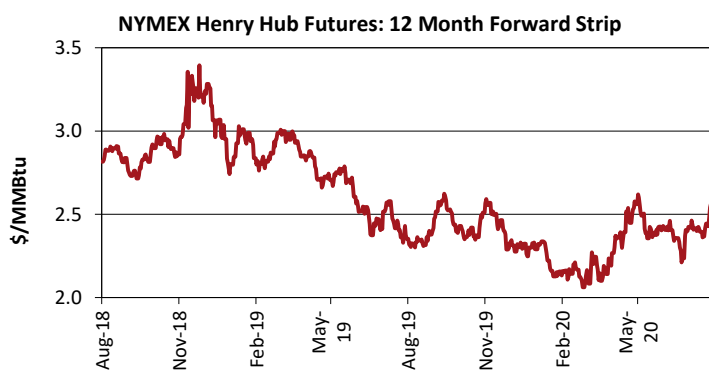
US STORAGE (in million bbls)	crude oil
domestic stocks as of	7/24/20
	526
gain / loss from previous week	-10.6
comparison to historic range	outside



NYMEX Heating Oil	last close	previous week	24-month high	24-month low
12 month strip, \$/gal	\$1.29	\$1.31	\$2.43	\$0.90
date	7/31/20	7/24/20	10/3/18	4/28/20
change from last close		-1.5%	-47%	43%

US STORAGE (in million bbls)	distillate	propane	gasoline
domestic stocks as of	7/24/20		
	178	0	247
gain / loss from previous week	0.5	0.0	0.7
comparison to historic range	within	within	within

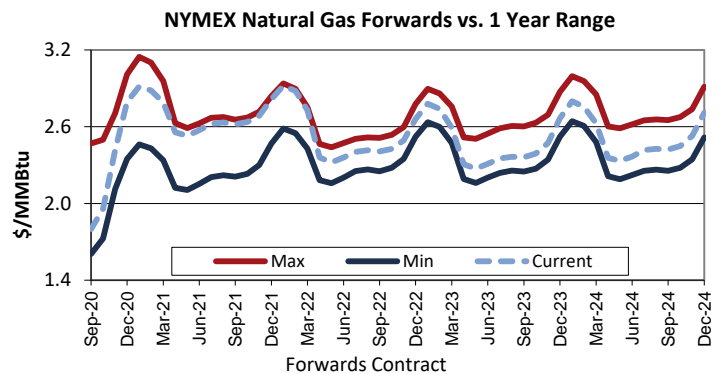
## Natural Gas Market



NYMEX PRICING	last close	previous week	24-month high	24-month low
12 mo. strip, \$/MMBtu	\$2.54	\$2.44	\$3.43	\$2.05
date	7/31/20	7/24/20	11/14/18	2/28/20
change from last close		3.9%	-26%	24%

CES SCORE	
12 month	32
18 month	23
24 month	26
36 month	36

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.



FORWARDS	12 month	18 month	24 month	36 month
strip (\$/MMBtu)	\$2.54	\$2.61	\$2.57	\$2.54

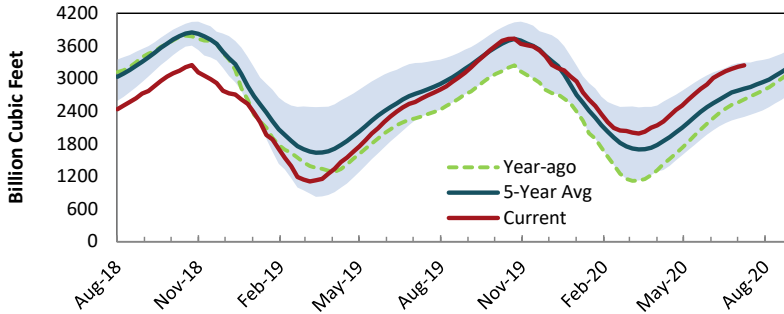
Natural gas futures are useful for both natural gas and electricity consumers because they drive electricity pricing in many U.S. markets. This chart compares the current natural gas price for each forward month on the NYMEX exchange to the highest and lowest prices for the same month over the past 12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



The information set forth herein is a compilation of public and internal information and is presented solely for the convenience of CES customers. CES does not make any representation or warranties, express or implied, with respect to the accuracy or completeness of the information contained herein. CES shall not have any liability to any person or entity resulting from the use of this information in

### 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	7/17/20	3,215	
Most Recent Stock Level	7/24/20	3,241	
Year-ago Stock Level		2,615	23.9%
5-Year Average Stock Level		2,812	
Most Recent Net Change	7/24/20	26	
Year-Ago Net Change		56	
5-Year Average Net Change		33	

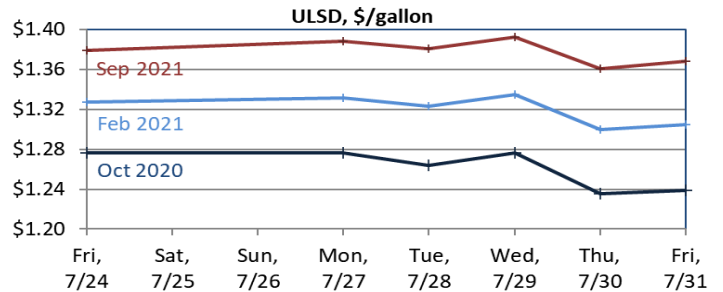
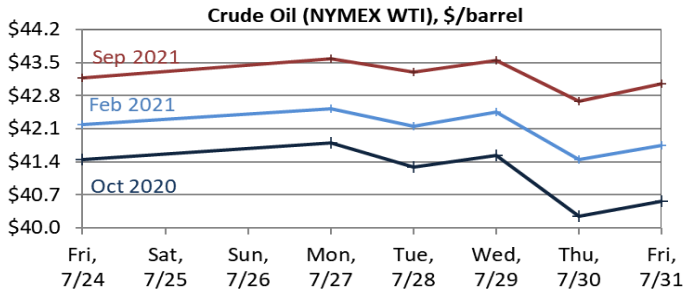
Data Source: EIA <http://tonto.eia.doe.gov/oog/info/ngs/ngs.html>

### Market Assessment

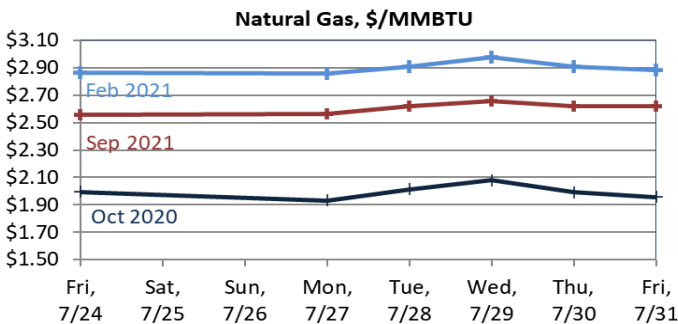
NYMEX Futures Summary Statistics

	Last Expired Contract	Exp. Date	Price	Prompt Month	Price	Most Expensive Next 12 Months	Price	Least Expensive Next 12 Months	Price	Winter Avg (Nov20-Mar21)
Crude oil	Aug-20	7/20/20	\$40.81	Sep-20	\$40.57	Aug-21	\$42.90	Sep-20	\$40.27	\$41.73
Heating oil	Aug-20	7/31/20	\$1.22	Sep-20	\$1.22	Aug-21	\$1.36	Sep-20	\$1.22	\$1.28
Natural gas	Aug-20	7/29/20	\$1.85	Sep-20	\$1.80	Jan-21	\$2.92	Sep-20	\$1.80	\$2.06

NYMEX End-of-Day Settlements



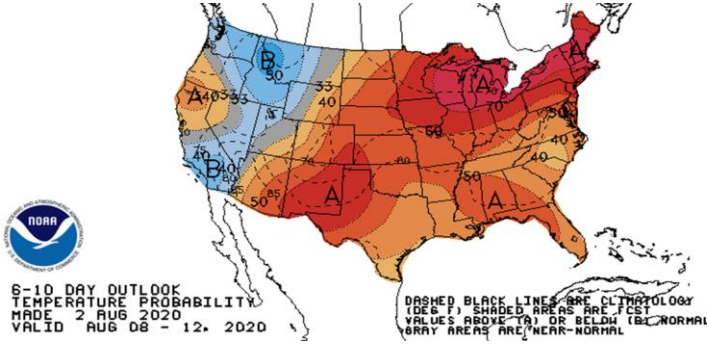
Crude oil prices ended Friday \$40.18/barrel, a 2.6% decrease from the week prior. The EIA published data showing that the U.S. saw the largest single weekly crude stock draw since 2019, driving prices upwards on Wednesday. However, prices then fell sharply following news that in the second quarter, the U.S. economy suffered the sharpest contraction since the 1940s. On the eve of scheduled OPEC supply increases, set to come into effect in August, many traders are waiting to see if Saudi Arabia lowers official selling prices in the next few weeks. The Saudi government is under increased international pressure to do so with the looming surge of supply. Domestic production remains constant, still 22% below this time last year. Producers across the U.S. are lowering previous estimates of production increases, with large stockpiles persisting and OPEC crude set to enter the market at depressed prices.



Summer heat drove natural gas prices up through Wednesday, however gas fell to \$1.81/MMBtu Friday to end the week flat. Hot temperatures across the US drove increased fuel demand but news of larger than expect storage injections left traders pessimistic. Injections rose 26 Bcf, raising working gas in storage to 3,241 Bcf as of Friday, July 24, 2020. US gas stocks continue to sit around 15% above the 5-year average. Decreased LNG exports have combined with high stockpiles put downward pressure on the market. Traders anticipate that mild temperatures forecasted for early August coupled with pandemic driven demand destruction could exacerbate the storage surplus in the coming weeks.

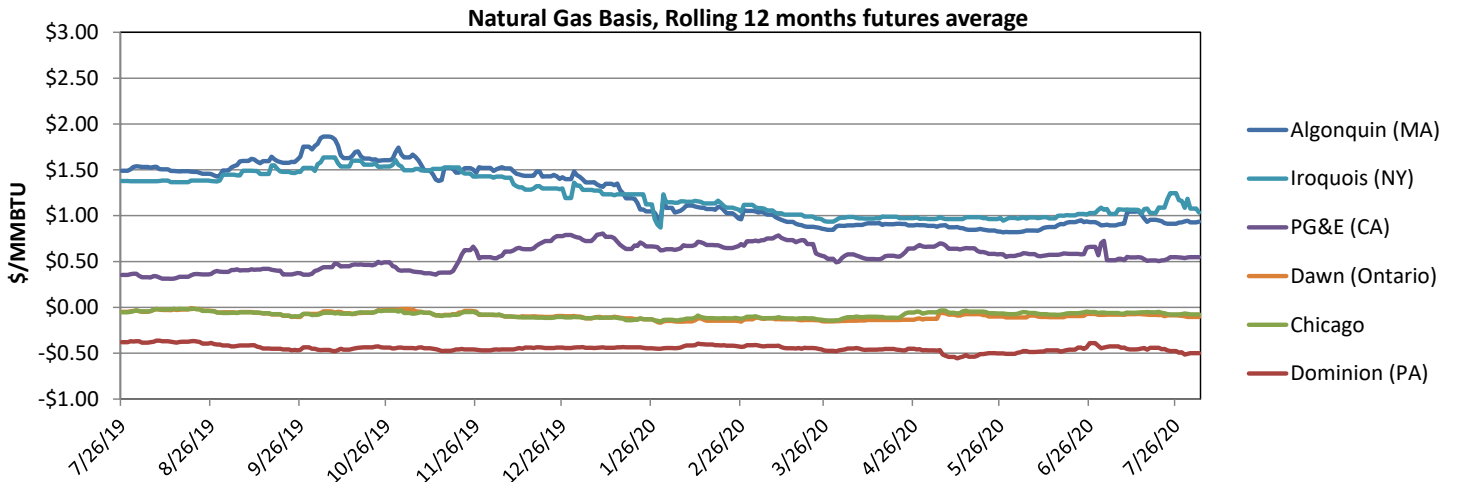
The National Weather Service near-term forecast calls for above average temperatures throughout most of the Eastern and Central U.S. and below average temperatures in the West. The CES Market Score on page 1 decreased from the previous week. Clients with electricity or natural gas contracts expiring in 2020 should consult with a CES representative for customized guidance.

**National Weather Service Forecast**

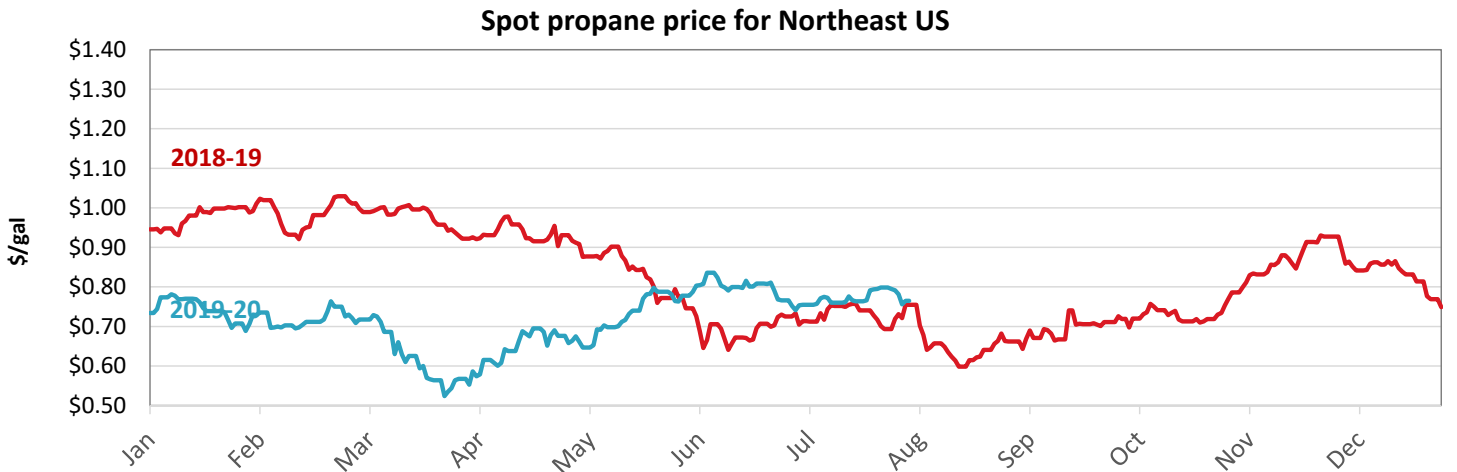


**Natural Gas Basis Futures**

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.



**Propane**



**Spot Prices**

		<b>New England ISO Real Time Power Pricing By Zone (\$/MWh)</b>							<b>Avg</b>	
		7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20		
Power (\$/MWh)	Maine RT On Pk	53	45	29	27	24			36	
	Maine RT Off Pk	17	30	20	24	19	35	28	25	
	NH RT On Pk	54	45	30	27	24			36	
	NH RT Off Pk	17	30	20	24	19	35	28	25	
	Vermont RT On Pk	53	44	29	26	24			35	
	Vermont RT Off Pk	16	30	19	23	19	34	27	24	
	Connecticut RT On Pk	52	44	29	26	24			35	
	Connecticut RT Off Pk	16	29	19	23	19	33	27	24	
	Rhode Island RT On Pk	53	44	29	26	24			35	
	Rhode Island RT Off Pk	16	29	19	23	19	34	27	24	
	NE Mass RT On Pk	54	45	29	27	24			36	
	NE Mass RT Off Pk	16	30	20	24	19	34	28	24	
	SE Mass RT On Pk	54	45	29	27	24			36	
	SE Mass RT Off Pk	16	29	20	24	19	34	28	24	
	WC Mass RT On Pk	53	45	29	27	24			35	
	WC Mass RT Off Pk	16	29	19	24	19	34	28	24	
			<b>New York ISO Real Time Power Pricing By Zone (\$/MWh)</b>							<b>Avg</b>
Power (\$/MWh)	Capital RT On Pk	38	31	29	24	25			29	
	Capital RT Off Pk	18	25	21	19	17	30	27	23	
	Central RT On Pk	38	30	28	23	24			28	
	Central RT Off Pk	17	24	18	17	16	29	24	21	
	Hudson RT On Pk	39	31	30	25	25			30	
	Hudson RT Off Pk	18	25	20	19	18	30	26	22	
	Mohawk RT On Pk	37	30	28	23	24			28	
	Mohawk RT Off Pk	17	24	18	18	17	29	24	21	
	Milwood RT On Pk	39	32	30	28	25			31	
	Milwood RT Off Pk	18	26	20	19	18	30	31	23	
	NYC RT On Pk	45	35	33	36	26			35	
	NYC RT Off Pk	19	29	23	20	20	36	33	26	
			<b>PJM Real Time Power Pricing By Zone (\$/MWh)</b>							<b>Avg</b>
	Power (\$/MWh)	Eastern Hub On Pk	34	37	29	24	24			30
		Eastern Hub Off Pk	17	18	17	17	17	17	17	17
		Western Hub On Pk	36	27	31	23	23			28
		Western Hub Off Pk	17	18	16	17	17	17	17	17
PPL Zone On Pk		31	26	28	23	23			26	
PPL Zone Off Pk		16	17	16	16	16	16	16	16	
AEP RT On Pk		36	26	39	24	24			30	
AEP RT Off Pk		17	17	17	17	17	17	17	17	
Chicago RT On Pk		28	25	36	23	23			27	
Chicago RT Off Pk		17	17	16	17	17	17	17	17	
New Jersey Hub On Pk		37	45	29	24	24			32	
New Jersey Hub Off Pk		17	18	17	17	17	17	17	17	
		<b>California ISO Real Time Power Pricing (\$/MWh)</b>							<b>Avg</b>	
Power (\$/MWh)		SoCal Edison RT On Pk	25	25	30	146	81			61
		SoCal Edison RT Off Pk	20	22	24	26	25	21	21	23
		7/27/20	7/28/20	7/29/20	7/30/20	7/31/20	8/1/20	8/2/20	<b>Avg</b>	
Natural Gas \$/MMBtu		Henry Hub, LA	1.74	1.74	1.75	1.75	1.75			1.75
	TZ6, MA	1.51	1.51	1.51	1.51	1.51			1.51	
	Algonquin, MA	1.85	1.94	1.84	1.59	1.60			1.76	
	Chicago Hub, IL	1.69	1.73	1.77	1.75	1.66			1.72	
	New York, NY	1.82	1.89	1.90	1.67	1.56			1.77	
	Dominion South, PA	1.32	1.31	1.30	1.25	1.23			1.28	
	Opal Hub, WY	1.66	1.66	1.66	1.66	1.66			1.66	
	PG&E Citygate, CA	2.57	2.58	2.58	2.60	2.54			2.57	