



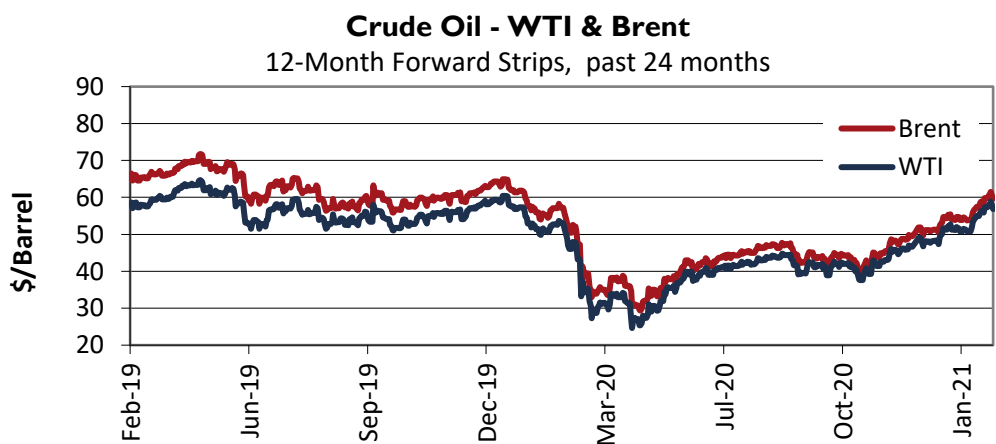
# Competitive Energy Services Weekly Market Summary

February 15 - 19, 2021

## Synopsis of Last Week's Energy Markets

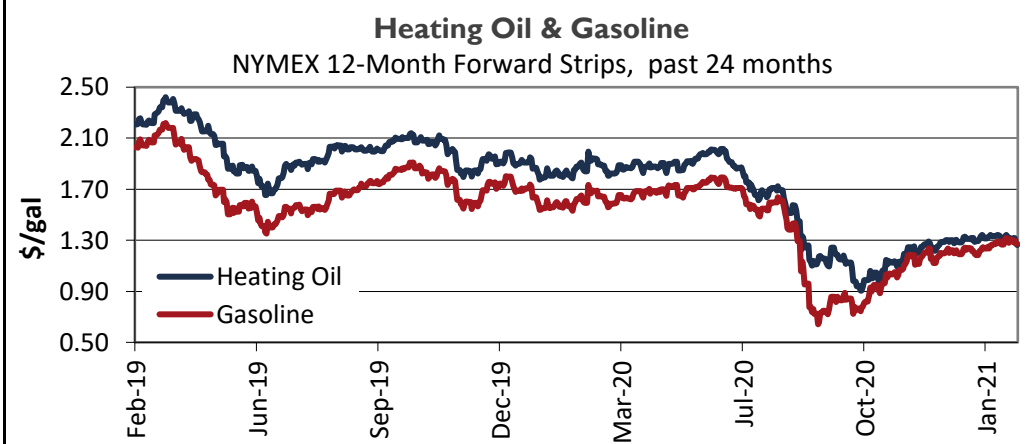
Crude oil prices ended Friday at \$59.24/barrel, an 0.4% decrease from the week prior. Oil prices surpassed \$60 for the first time in over a year midweek, but later fell due to large production and refining shutdowns in Texas caused by the deep freeze. Frigid temperatures across the midcontinent and disruptions to Permian Basin gas production caused prices to rise 6% from the previous week, settling at \$3.07/MMBtu last Friday. As of February 12, gas inventories decreased 237 Bcf week-over-week to bring total stockpiles to 2,281 Bcf.

## Oil Market



NYMEX WTI	last close	previous week	24-month high	24-month low
12 month strip, \$/bbl	\$57.17	\$57.28	\$64.69	\$23.66
date	2/19/21	2/12/21	4/23/19	4/21/20
change from last close		-0.2%	-11.6%	142%

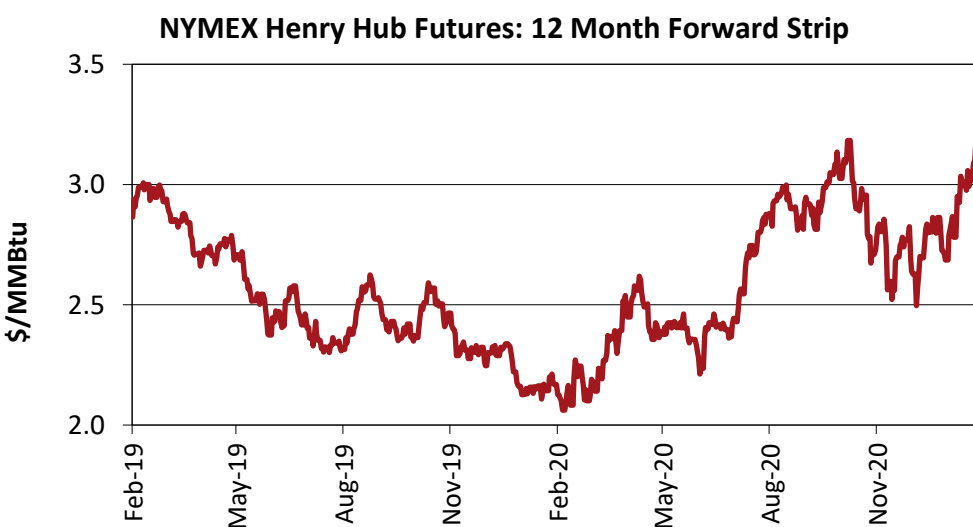
US STORAGE (in million bbls)		crude oil
domestic stocks as of	2/12/21	462
gain / loss from previous week		-7.3
comparison to historic range		outside



NYMEX Heating Oil	last close	previous week	24-month high	24-month low
12 month strip, \$/gal	\$1.79	\$1.31	\$2.14	\$0.90
date	2/19/21	2/12/21	4/23/19	4/28/20
change from last close		37.2%	-16%	99%

US STORAGE (in million bbls)		distillate	propane	gasoline
domestic stocks as of	2/12/21	158	0	257
gain / loss from previous week		-3.4	0.0	0.7
comparison to historic range		within	within	within

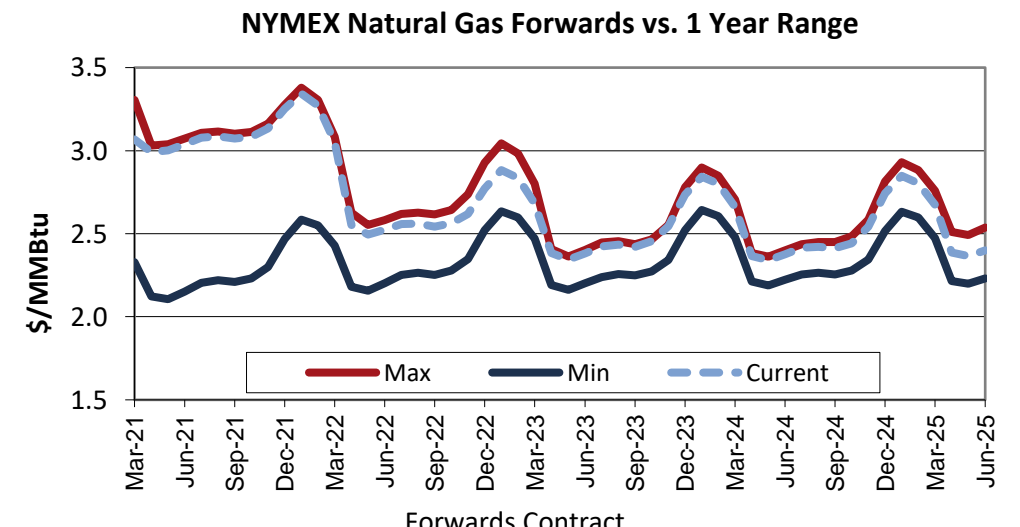
## Natural Gas Market



NYMEX PRICING	last close	previous week	24-month high	24-month low
12 mo. strip, \$/MMBTu	\$3.12	\$3.02	\$3.16	\$2.05
date	2/19/21	2/12/21	2/17/21	2/28/20
change from last close		3.4%	-1%	52%

CES SCORE	
12 month	5
18 month	8
24 month	14
36 month	14

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)	\$3.12	\$2.95	\$2.89	\$2.77

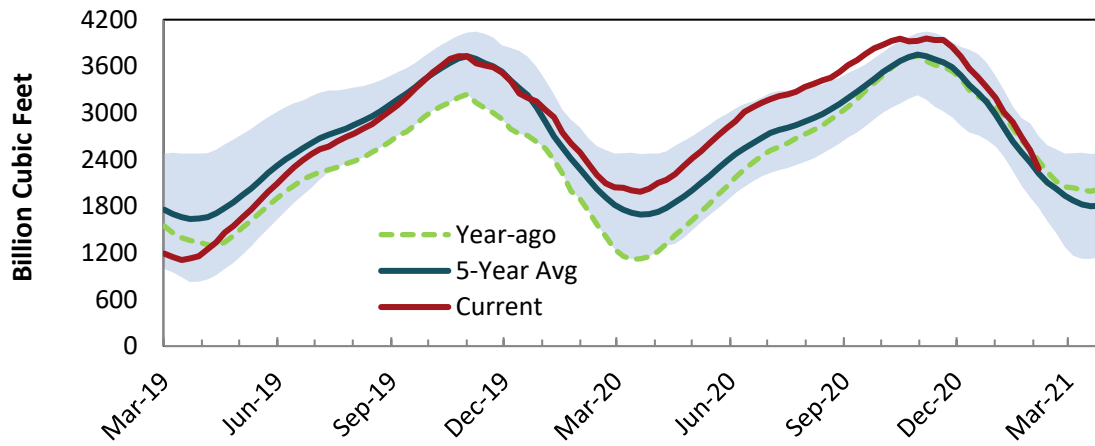
Natural gas futures are useful for both natural gas and electricity consumers because they drive electricity pricing in many U.S. markets. This chart compares the current natural gas price for each forward month on the NYMEX exchange to the highest and lowest prices for the same month over the past 12 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	2/5/21	2,518	
Most Recent Stock Level	2/12/21	2,281	
Year-ago Stock Level		2,386	-4.4%
5-Year Average Stock Level		2,224	
Most Recent Net Change	2/12/21	-237	
Year-Ago Net Change		-141	
5-Year Average Net Change		-142	

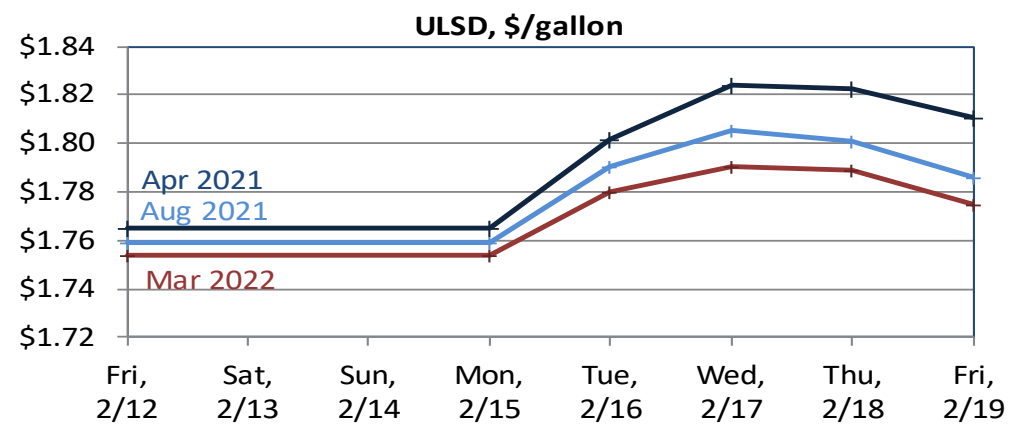
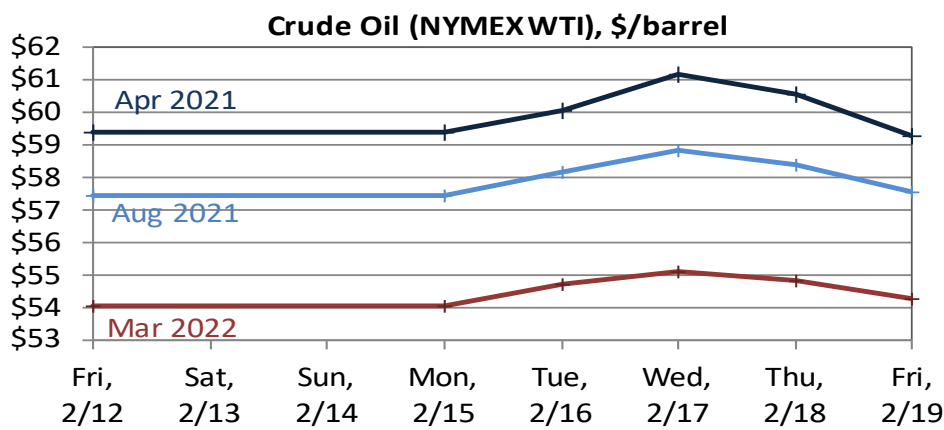
Data Source: EIA <http://tonto.eia.doe.gov/oog/info/ngs/ngs.html>

### Market Assessment

NYMEX Futures Summary Statistics

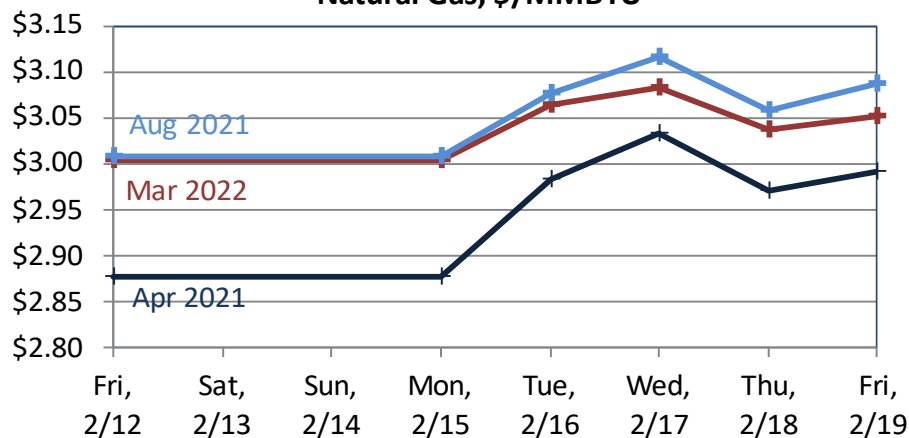
	Last Expired Contract	Exp. Date	Price	Prompt Month	Price	Most Expensive Next 12 Months	Price	Least Expensive Next 12 Months	Price	Winter Avg (Nov21-Mar22)
Crude oil	Feb-21	10/30/20	\$35.79	Mar-21	\$59.26	Apr-21	\$59.26	Feb-22	\$54.61	\$54.64
Heating oil	Feb-21	1/29/21	\$1.60	Mar-21	\$1.82	Mar-21	\$1.82	Feb-22	\$1.79	\$1.78
Natural gas	Feb-21	1/27/21	\$2.76	Mar-21	\$3.07	Jan-22	\$3.34	Apr-21	\$2.99	\$3.09

NYMEX End-of-Day Settlements



Crude oil prices ended Friday at \$59.24/barrel, an 0.4% decrease from the week prior. Oil prices surpassed \$60 for the first time in more than a year midweek as the EIA reported that weekly crude stocks decreased more than 7-million-barrels. As the week continued, the extreme cold in Texas and the gulf coast shuttered production, which caused a 40% drop in overall US output reported on Thursday. About 4.4 million barrels per day of refining capacity was also down with another 1.5 million barrels per day impacted. On Friday, some production and refining looked to be back up, but many of the larger sites are expected to take several weeks to return to normal operations. With this news, the price plunged \$1.28 on Friday, which was the largest dollar value decline since late December. Oil is still being kept afloat by OPEC+ production cuts, which have boosted prices by about 20% on the year, but many expect a partial rollback to make up for the decrease in US output.

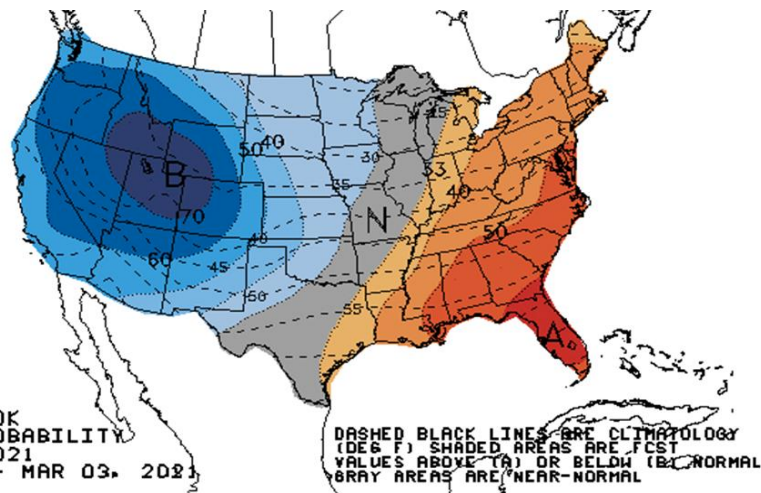
Natural Gas, \$/MMBTU



March front-month natural gas futures settled at \$3.07/MMBtu on Friday. Prices rose as a cold polar vortex air pattern extended downward into Texas causing a significant drop in temperatures across the midcontinent. These conditions spurred an increase in demand for heating fuels and a decline in natural gas production as frigid temperatures in the Permian Basin forced wells and processing plants offline. The impact of last week's market disruptions on futures prices has been limited because expectations are that warmer weather conditions in Texas and New England along with higher spot prices will lead Texas gas production to recover quickly. As of February 12, gas inventories decreased by 237 Bcf week-over-week to move total stockpiles to 2,281 Bcf.

The National Weather Service near-term forecast calls for below average temperatures across the West and Central US and above average temperatures in the East. 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**



**6 - 10 Day Forecast for Feb 28 - Mar 4**

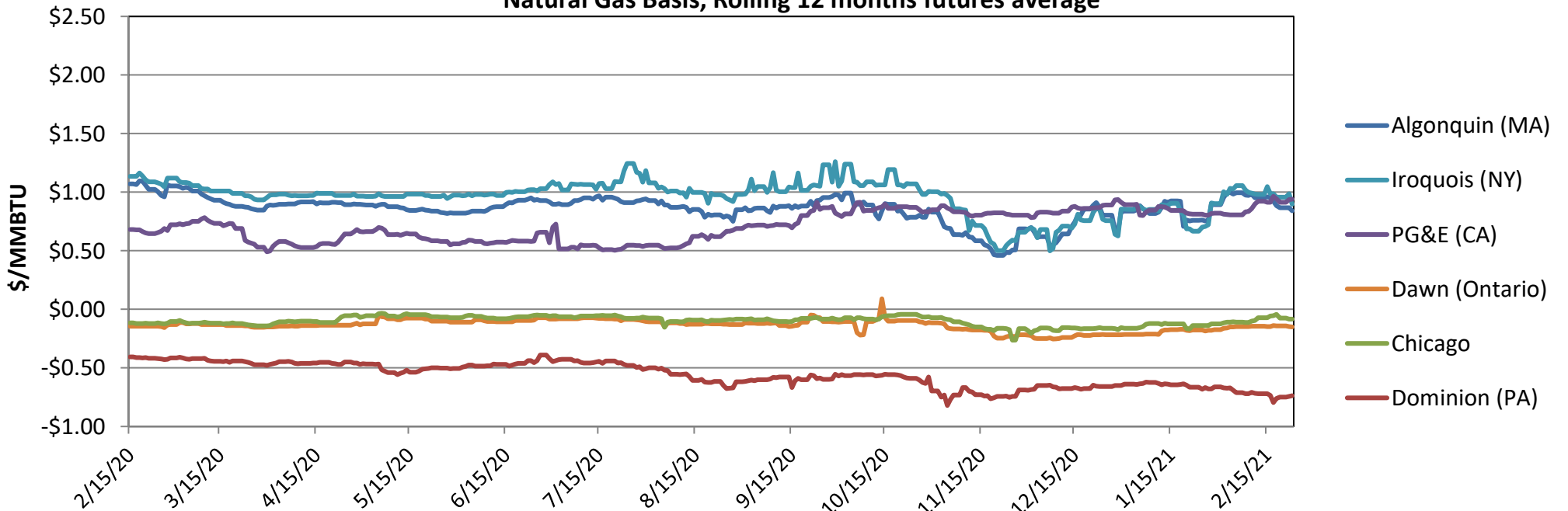
This map depicts forecasted temperatures for next week compared to the long term average. The blue/purple areas are forecast to be colder than normal, white areas are normal, and yellow/orange/red areas are warmer than normal. Abnormally hot weather in the summer and cold weather in the winter can increase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

Source: Chart from the National Weather Service Climate Prediction Center [www.cpc.ncep.noaa.gov](http://www.cpc.ncep.noaa.gov)

**Natural Gas Basis Futures**

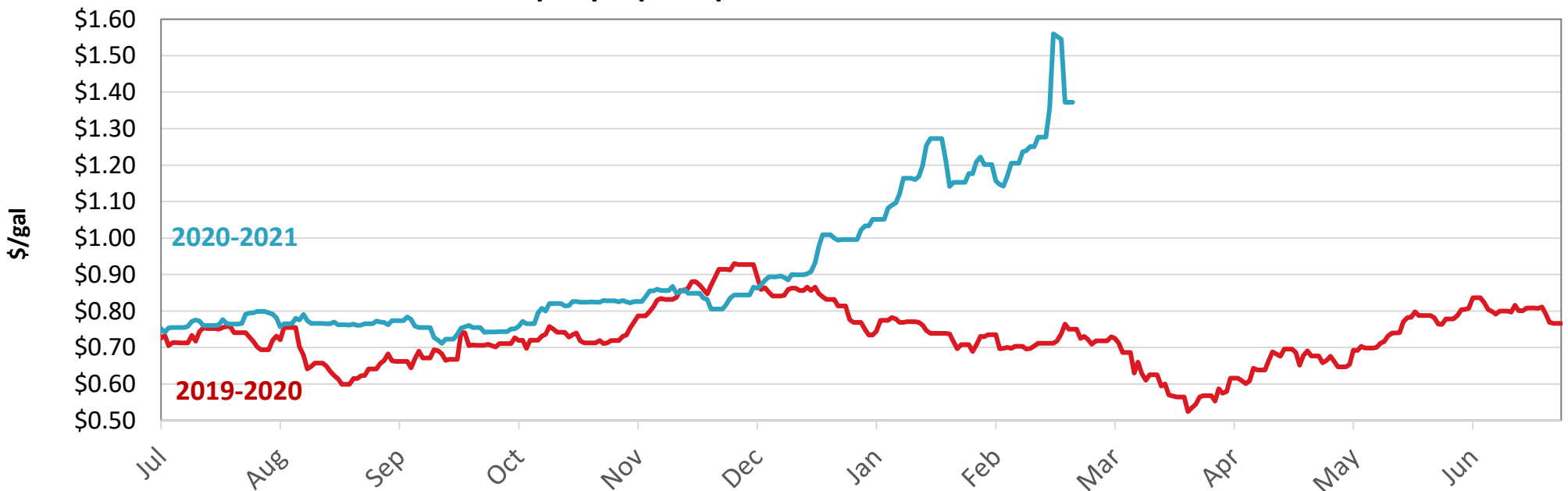
Basis is the price differential between Henry Hub, located in Erath, Louisiana, and the liquidity point closest to the end-user. Because Henry Hub is used as the delivery point for NYMEX natural gas futures contracts, the cost of using natural gas in any geographic region of the country can be approximated 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**

		<b>New England ISO Real Time Power Pricing By Zone (\$/MWh)</b>								
		2/15/21	2/16/21	2/17/21	2/18/21	2/19/21	2/20/21	2/21/21	<b>Avg</b>	
<b>Power (\$/MWh)</b>	Maine RT On Pk	97	67	86	97	74			84	
	Maine RT Off Pk	61	65	71	78	85	63	60	69	
	NH RT On Pk	97	68	89	99	75			85	
	NH RT Off Pk	60	64	71	78	85	62	60	69	
	Vermont RT On Pk	95	67	88	99	75			85	
	Vermont RT Off Pk	59	63	70	78	83	60	59	67	
	Connecticut RT On Pk	92	65	88	99	74			84	
	Connecticut RT Off Pk	58	61	70	78	83	60	59	67	
	Rhode Island RT On Pk	96	67	90	99	75			86	
	Rhode Island RT Off Pk	60	64	71	79	85	62	60	69	
	NE Mass RT On Pk	97	68	89	99	76			86	
	NE Mass RT Off Pk	61	64	71	79	85	63	60	69	
	SE Mass RT On Pk	96	68	90	100	76			86	
	SE Mass RT Off Pk	61	64	71	79	85	63	60	69	
	WC Mass RT On Pk	96	67	89	100	76			85	
	WC Mass RT Off Pk	60	64	71	79	84	62	60	69	
		<b>New York ISO Real Time Power Pricing By Zone (\$/MWh)</b>							<b>Avg</b>	
<b>Power (\$/MWh)</b>	Capital RT On Pk	69	67	100	87	66			78	
	Capital RT Off Pk	59	65	76	71	65	64	60	66	
	Central RT On Pk	61	59	92	81	59			70	
	Central RT Off Pk	55	40	70	66	61	32	24	50	
	Hudson RT On Pk	64	63	97	87	65			76	
	Hudson RT Off Pk	57	48	74	71	66	54	49	60	
	Mohawk RT On Pk	63	62	95	84	62			73	
	Mohawk RT Off Pk	56	42	72	69	63	33	25	51	
	Milwood RT On Pk	66	64	100	89	66			77	
	Milwood RT Off Pk	58	48	75	72	67	55	50	61	
	NYC RT On Pk	74	73	110	110	67			87	
	NYC RT Off Pk	58	60	75	72	68	55	50	63	
			<b>PJM Real Time Power Pricing By Zone (\$/MWh)</b>							<b>Avg</b>
	<b>Power (\$/MWh)</b>	Eastern Hub On Pk	51	48	84	113	58			71
		Eastern Hub Off Pk	40	56	99	95	64	34	37	61
		Western Hub On Pk	63	56	125	92	52			78
Western Hub Off Pk		40	52	102	89	61	32	33	59	
PPL Zone On Pk		49	52	85	110	55			70	
PPL Zone Off Pk		38	52	94	92	61	32	35	58	
AEP RT On Pk		83	129	120	111	57			100	
AEP RT Off Pk		43	70	116	97	64	31	26	64	
Chicago RT On Pk		81	133	129	107	60			102	
Chicago RT Off Pk		43	70	120	94	62	29	19	62	
New Jersey Hub On Pk		51	51	85	112	57			71	
New Jersey Hub Off Pk		40	56	97	96	64	37	39	61	
		<b>California ISO Real Time Power Pricing (\$/MWh)</b>							<b>Avg</b>	
<b>Power (\$/MWh)</b>		SoCal Edison RT On Pk	251	217	334	111	28			188
		SoCal Edison RT Off Pk	88	93	318	139	37	37	26	105
		2/15/21	2/16/21	2/17/21	2/18/21	2/19/21	2/20/21	2/21/21	<b>Avg</b>	
<b>Natural Gas \$/MMBtu</b>	Henry Hub, LA		16.13	16.35	6.61	4.90			11.00	
	TZ6, MA		10.89	11.00	8.76	6.85			9.38	
	Algonquin, MA		10.35	10.70	8.72	6.83			9.15	
	Chicago Hub, IL		21.99	18.35	6.18	3.93			12.61	
	New York, NY		10.97	10.39	5.64	5.50			8.13	
	Dominion South, PA		7.89	5.80	3.98	3.31			5.25	
	Opal Hub, WY		181.00	19.25	5.50	3.68			52.36	
	PG&E Citygate, CA		8.40	7.00	4.86	4.00			6.07	