

National Mining Association

Weekly Statistical Summary

September 21, 2018 Edition
(Data for Week Ending September 15, 2018)

Prepared by
National Mining Association



Suite 500 East, 101 Constitution Avenue, NW
Washington, DC, 20001
Phone (202) 463-2600

Visit us at <http://www.nma.org>

NMA Weekly Statistical Summary

Vol. 56, No. 37
Dated 09/21/18

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	09/15/18	09/16/17	% Chng	09/15/18	09/15/17	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,537	14,793	-1.7%	534,901	549,696	-2.7%
52 Weeks Ended	757,399	794,777	-4.7%			
AAR Coal Rail Cars Loaded:	85,562	89,069	-3.9%	3,098,943	3,132,603	-1.1%
Coal Production Month Ended - Aug	Aug 18/17		% Chng	Jan - Aug 18/17		% Chng
	69,491	70,482	-1.4%	504,188	517,474	-2.6%
DOC Coal Trade (000 Tons)						
Exports:	July 18/17			Jan - July 18/17		
			% Chng			% Chng
Metallurgical	4,763	4,221	12.8%	36,583	29,843	22.6%
Steam *	4,716	2,924	61.3%	30,882	21,259	45.3%
Lignite	8	7	14.3%	52	46	13.0%
Anthracite	51	31	64.5%	141	164	-14.0%
Total	9,538	7,183	32.8%	67,658	51,312	31.9%
Imports:	692	956	-27.6%	3,605	5,068	-28.9%
	Week Ended			Cumulative Week 1 to		
	09/15/18	09/16/17	% Chng	09/15/18	09/16/17	% Chng
EI Electric Total Output (Mil. Kwh)	79,597	75,251	5.8%	2,990,213	2,867,829	4.3%
EI Coal Region Output (Mil. Kwh)	69,066	64,362	7.3%	2,589,745	2,462,459	5.2%
AISI Raw Steel Output (000 Tons)	1,862	1,711	8.8%	66,738	64,003	4.3%

EIA (SNL ENERGY) AVERAGE COAL & NATURAL GAS SPOT PRICES Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	09/14/18	09/07/18	% Chng	Wed.	09/12/18
Central App, 12,500 Btu, 1.2 SO ₂	\$74.30	\$75.45	-1.5%	Henry Hub	2.93
Northern App, 13,000 Btu, < 3.0 SO ₂	58.20	58.20	0.0%	New York	2.91
Illinois Basin, 11,800, 5.0 SO ₂	33.45	32.70	2.3%	Chicago	2.72
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.10	12.10	0.0%	Cal.Comp.Avg.	2.61
Uinta Basin, 11,700 Btu, 0.8 SO ₂	40.85	40.85	0.0%		

Coal exports and Imports are "as reported" (not revised); *Steam excludes lignite & anthracite. All data in this report are preliminary and subject to revision. r/ revised.

Sources: EIA; Edison Electric Institute; American Iron & Steel Institute; Association of American Railroads; Dept. of Commerce; SNL Energy; NGI's Daily Gas Price Index



EIA Estimated Weekly U.S. Coal Production Overview									
	Week Ended			Year to Date			52 Weeks Ended		
Coal-Producing Region & State (thousand short tons)	9/15/2018 (week 37)	9/8/2018 (week 36)	9/16/2017 (week 37)	9/15/2018	9/15/2017	% Change	9/15/2018	9/16/2017	% Change
Alabama	253	257	211	10,422	9,162	13.7	13,938	12,300	13.3
Alaska	20	19	18	679	658	3.2	978	913	7.1
Arizona	123	113	104	4,287	4,209	1.8	6,286	5,938	5.9
Arkansas	1	1	.	27	27	1.2	27	40	-32.5
Colorado	264	256	237	10,124	10,811	-6.4	14,329	15,537	-7.8
Illinois	899	898	857	35,194	35,126	0.2	48,312	48,571	-0.5
Indiana	594	586	584	22,824	22,598	1.0	31,622	31,611	s
Kentucky Total	715	709	738	28,298	30,908	-8.4	39,651	44,501	-10.9
Eastern (KY)	348	341	317	13,107	13,466	-2.7	18,331	18,787	-2.4
Western (KY)	368	368	421	15,191	17,443	-12.9	21,320	25,714	-17.1
Louisiana	23	19	12	819	1,564	-47.6	1,332	2,514	-47.0
Maryland	27	28	32	1,080	1,241	-12.9	1,494	1,833	-18.5
Mississippi	36	36	34	1,650	1,951	-15.4	2,298	2,879	-20.2
Missouri	5	5	5	173	174	-0.5	243	249	-2.4
Montana	786	769	788	26,485	23,864	11.0	37,751	35,460	6.5
New Mexico	201	198	239	7,588	9,937	-23.6	10,817	14,312	-24.4
North Dakota	563	550	563	20,555	20,118	2.2	29,151	29,222	-0.2
Ohio	174	171	179	6,321	6,689	-5.5	9,106	9,836	-7.4
Oklahoma	10	10	10	361	395	-8.7	526	593	-11.3
Pennsylvania Total	888	872	881	33,543	35,093	-4.4	47,419	50,628	-6.3
Anthracite (PA)	31	31	31	1,108	1,332	-16.8	1,656	1,844	-10.2
Bituminous (PA)	857	841	850	32,435	33,762	-3.9	45,763	48,784	-6.2
Tennessee	5	5	7	207	347	-40.2	291	524	-44.5
Texas	650	623	700	21,187	24,984	-15.2	32,449	37,445	-13.3
Utah	291	271	247	10,001	9,689	3.2	14,606	14,121	3.4
Virginia	236	234	247	9,249	9,964	-7.2	12,932	14,178	-8.8
West Virginia Total	1,801	1,756	1,625	66,952	65,170	2.7	94,372	91,137	3.5
Northern (WV)	836	792	784	31,045	32,800	-5.3	44,938	47,058	-4.5
Southern (WV)	965	964	841	35,907	32,370	10.9	49,434	44,079	12.1
Wyoming	5,972	5,759	6,476	216,875	225,017	-3.6	307,471	330,433	-6.9
Appalachian Total	3,731	3,665	3,499	140,882	141,131	-0.2	197,883	199,223	-0.7
Interior Total	2,586	2,545	2,623	97,425	104,262	-6.6	138,129	149,618	-7.7
Western Total	8,220	7,935	8,671	296,594	304,303	-2.5	421,388	445,937	-5.5
East of Mississippi River	5,629	5,553	5,394	215,740	218,249	-1.1	301,435	307,999	-2.1
West of Mississippi River	8,908	8,593	9,399	319,160	331,447	-3.7	455,965	486,778	-6.3
Bituminous and Lignite	14,507	14,114	14,762	533,792	548,365	-2.7	755,744	792,933	-4.7
Anthracite	31	31	31	1,108	1,332	-16.8	1,656	1,844	-10.2
U.S. Total	14,537	14,145	14,793	534,901	549,696	-2.7	757,399	794,777	-4.7
Railroad Cars Loaded	85,562	85,466	89,069	3,098,943	3,132,603	-1.1	4,384,316	4,557,288	-3.8

Source: Energy Information Administration



Weekly Electric Output

Volume 86 No. 37

OUTPUT FOR WEEK ENDED - Sep 15, 2018

Sep 19, 2018

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, **Sep 15, 2018** was **79,597** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **182** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended September 15		52 Weeks Ended September 15	
	GWh Output	% Increase Over Corresponding Week of 2017	GWh Output	% Increase Over Corresponding Period of 2017
New England	2,248	-2.8	122,974	2.3
Mid-Atlantic	8,175	3.5	440,951	4.5
Central Industrial	12,527	5.9	685,838	4.8
West Central	6,649	-0.7	338,204	4.4
Southeast	20,942	20.9	1,047,809	4.1
South Central	14,946	1.0	761,498	5.9
Rocky Mountain	5,827	0.1	279,182	-0.2
Pacific Northwest	2,483	-1.9	157,305	-1.2
Pacific Southwest	5,800	-4.0	278,567	-2.1
Total United States	79,597	5.8	4,112,327	3.6

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2018	Week Ended	2017	% Inc. (18/17)	52 Weeks Ended	2018	% Inc. (18/17)
Aug 25	85,509	Aug 26	85,068	0.5	Aug 25	4,083,914	2.3
Sep 01	89,856	Sep 02	77,100	16.5	Sep 01	4,096,669	2.8
Sep 08	86,716	Sep 09	75,405	15.0	Sep 08	4,107,981	3.3
Sep 15	79,597	Sep 16	75,251	5.8	Sep 15	4,112,327	3.6
Sep 15	2,990,213	Sep 16	2,867,829	4.3	YEAR TO DATE, FIRST 37 WEEKS		

WEEKLY ELECTRIC OUTPUT INDEX--TOTAL U.S.*

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2018	Week Ended	2017	Week Ended	2016
Aug 25	163	Aug 26	173	Aug 27	178
Sep 01	175	Sep 02	159	Sep 03	180
Sep 08	173	Sep 09	160	Sep 10	195
Sep 15	182	Sep 16	175	Sep 17	191

* Excludes Alaska and Hawaii.

+ Includes investor-owned companies, cooperatives and government-owned utilities.

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**EEl WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)**

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	15-Sep 2018 GWh Output	16-Sep 2017 GWh Output	% Increase Over Corresponding Week of 2017	15-Sep 2018 GWh Output	16-Sep 2017 GWh Output	% Increase Over Corresponding Week of 2017	15-Sep 2018 GWh Output	16-Sep 2017 GWh Output	% Increase Over Corresponding Week of 2017
New England	2,248	2,312	-2.8%	88,683	86,293	2.8%	122,974	120,209	2.3%
Mid-Atlantic	8,175	7,900	3.5%	320,558	304,583	5.2%	440,951	422,066	4.5%
Central Industrial	12,527	11,825	5.9%	498,618	471,054	5.9%	685,838	654,580	4.8%
West Central	6,649	6,696	-0.7%	245,390	233,129	5.3%	338,204	324,065	4.4%
Southeast	20,942	17,321	20.9%	762,394	727,632	4.8%	1,047,809	1,006,868	4.1%
South Central	14,946	14,799	1.0%	560,800	524,944	6.8%	761,498	718,820	5.9%
Rocky Mountain	5,827	5,821	0.1%	201,985	201,117	0.4%	279,182	279,638	-0.2%
Pacific Northwest	2,483	2,533	-2.0%	110,772	113,010	-2.0%	157,305	159,233	-1.2%
Pacific Southwest	5,800	6,044	-4.0%	201,012	206,068	-2.5%	278,567	284,580	-2.1%
Total United States ^{1/}	<u>79,597</u>	<u>75,251</u>	5.8%	<u>2,990,212</u>	<u>2,867,830</u>	4.3%	<u>4,112,328</u>	<u>3,970,059</u>	3.6%
Coal Regions Only ^{2/}	69,066	64,362	7.3%	2,589,745	2,462,459	5.2%	3,553,482	3,406,037	4.3%

Notes: EEI output data are an estimate of electricity load made available for distribution derived as weekly net generation + purchases from non-utilities + net imports - exports - sales for resale. It is not meant to be a measure of electricity generation for the U.S. EEI survey data represent the majority of national distribution (large utilities, large government power projects, some independent and large municipal power projects). The remaining segment of the industry (smaller producers) is estimated. Non-utility generation is captured via direct sales to utilities.

^{1/} Excludes Alaska and Hawaii

^{2/} Excludes New England and Pacific regions

SOURCE: Edison Electric Institute (EEI), *Weekly Electric Output Report*.

AMERICAN IRON AND STEEL INSTITUTE
 25 Massachusetts Avenue, NW, Suite 800
 Washington, D.C. 20001

September 17, 2018

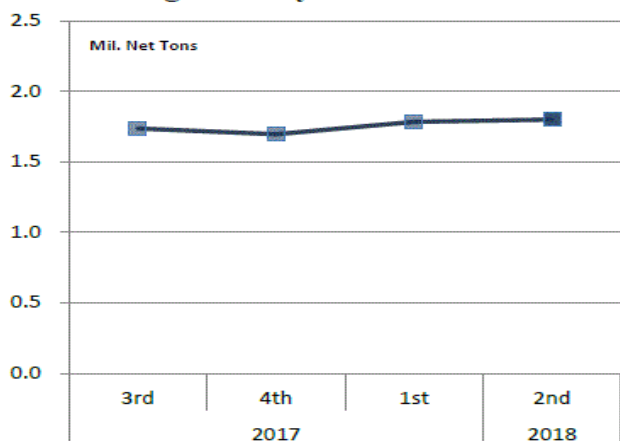
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<u>Period</u>	<u>Thousand Net Tons</u>	<u>Percent Change from Previous Period</u>	<u>Percent Capability Utilization**</u>	<u>Production by District</u>		
				<u>Week Ending</u>		
				<u>Sep. 15</u>	<u>Sep. 8</u>	
<u>Week Ending</u>				North East	226	221
				Great Lakes	689	685
September 15, 2018	1,862	-0.9	79.4	Midwest	197	199
September 15, 2017	1,711	8.8	73.4	Southern	674	689
September 8, 2018	1,879	0.5	80.2	Western	<u>76</u>	<u>85</u>
				Total	1,862	1,879
<u>Year-to-Date +</u>						
September 15, 2018	66,738	4.3	77.4			
September 15, 2017	64,003	-	74.4			

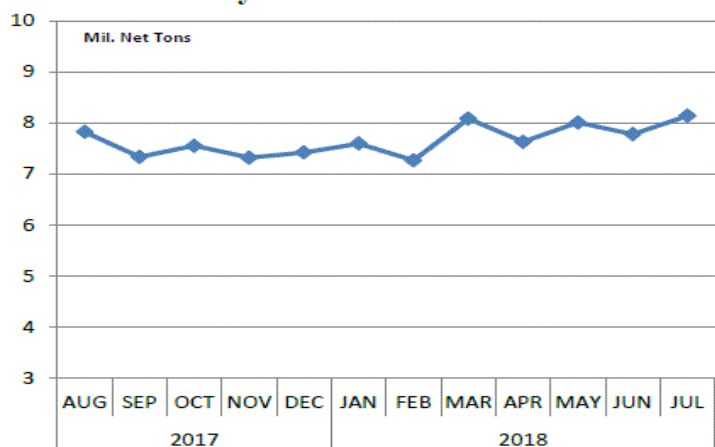
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides a more accurate summary of steel production based on data supplied by companies representing approximately 75% of U.S. production capacity plus includes revisions for previous months.

NOTE: Capacity for the third quarter 2018 is approximately 30.8 million net tons vs. 30.6 million net tons for the same period last year, and 30.5 million tons for the second quarter of 2018.

Average Weekly Raw Steel Production



Monthly Raw Steel Production



*Steel in the first solid state after melting suitable for further processing or sale, including ingots, steel for castings and strand or pressure cast blooms, slabs or other product forms. ** Based on tonnage capability to produce raw steel for a sustained full order book.



Source: Kitco website - www.kitco.com/connecting.html



Source: Kitco website - www.kitco.com/connecting.html

U.S. Rail Traffic¹

Week 37, 2018 – Ended September 15, 2018

	This Week		Year-To-Date		
	Cars	vs 2017	Cumulative	Avg/wk ²	vs 2017
Total Carloads	268,612	3.1%	9,703,638	262,260	2.0%
Chemicals	32,650	7.1%	1,195,645	32,315	4.5%
Coal	85,562	-3.9%	3,107,567	83,988	-1.2%
Farm Products excl. Grain, and Food	16,583	13.6%	598,865	16,186	2.7%
Forest Products	10,034	3.4%	381,606	10,314	2.9%
Grain	21,271	2.0%	852,231	23,033	4.4%
Metallic Ores and Metals	25,125	1.8%	861,839	23,293	3.2%
Motor Vehicles and Parts	17,021	2.6%	610,336	16,496	-0.4%
Nonmetallic Minerals	36,561	0.7%	1,343,761	36,318	3.2%
Petroleum and Petroleum Products	13,335	46.8%	397,814	10,752	13.6%
Other	10,470	14.5%	353,974	9,567	-0.9%
Total Intermodal Units	284,391	6.5%	10,237,925	276,701	6.0%
Total Traffic	553,003	4.8%	19,941,563	538,961	4.0%

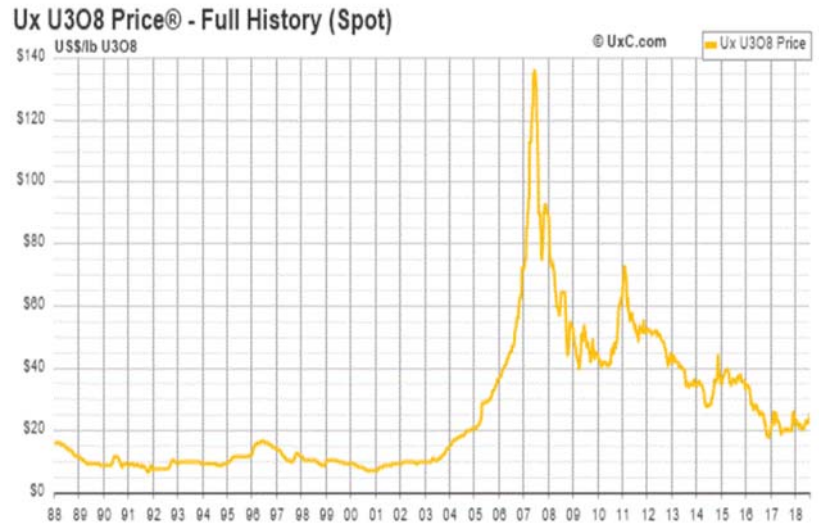
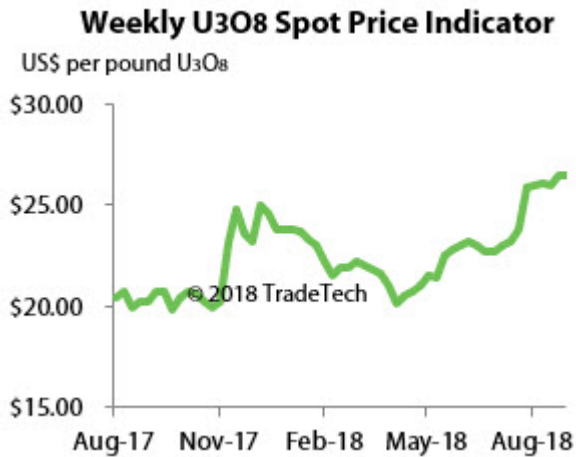
¹ Excludes U.S. operations of Canadian Pacific, CN and GMXT.

² Average per week figures may not sum to totals as a result of independent rounding.

Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

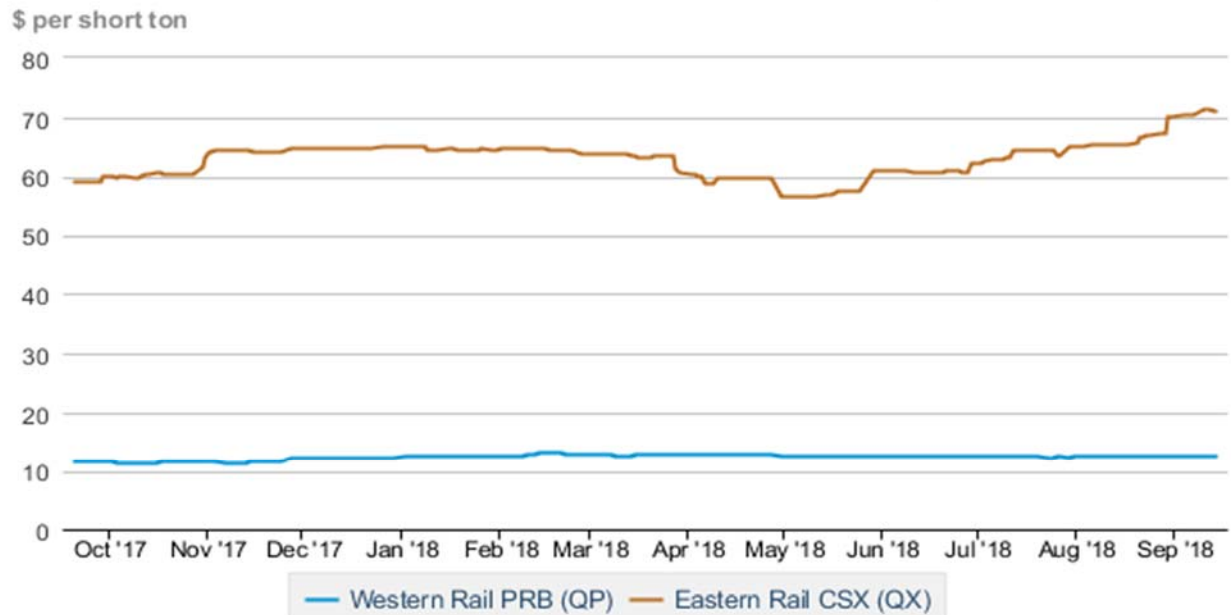
Trade Tech's and UX's Uranium Price Indicators

Ux U3O8 Price - Full History



Sources: Trade Tech, Uranium Info Website – www.uranium.info ; Ux Consulting Co., LLC – <http://www.uxc.com>

NYMEX coal futures near-month contract final settlement price



 Source: The New York Mercantile Exchange (NYMEX), Daily Energy Bulletin.

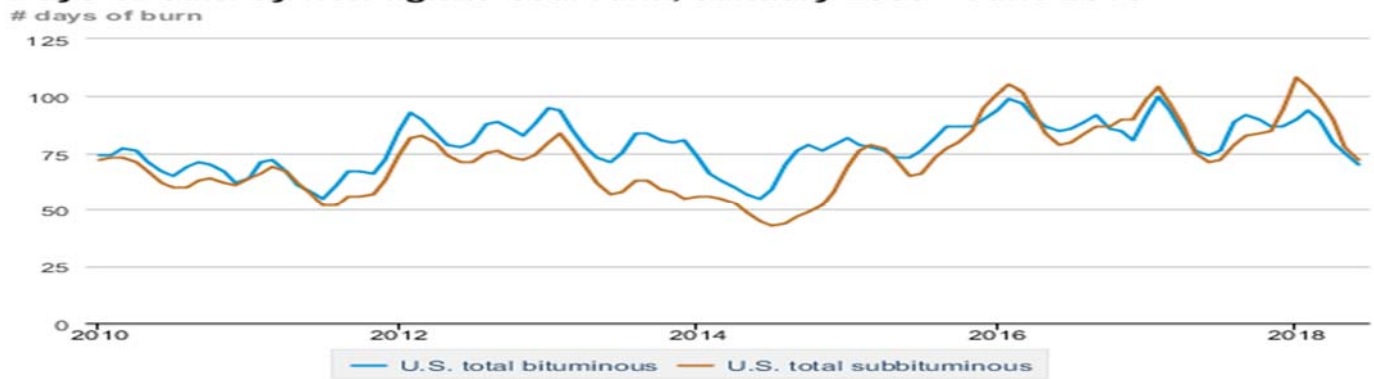
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	08/17/18	08/24/18	08/31/18	09/07/18	09/14/18	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$73.20	\$73.20	\$73.20	\$75.45	\$74.30	-\$1.15
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$56.45	\$56.45	\$56.45	\$58.20	\$58.20	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$32.70	\$32.70	\$32.70	\$32.70	\$33.45	\$0.75
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.15	\$12.15	\$12.15	\$12.10	\$12.10	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$41.00	\$41.00	\$41.00	\$40.85	\$40.85	\$0.00

Source: Energy Information Administration (with permission from SNL), *Coal Market Report*

Days of burn by non-lignite coal rank, January 2009 - June 2018



Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update Report*

Temperature – heating & cooling degree days (week ending Sep 06)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	1	-10	-27	60	46	50
Middle Atlantic	0	-7	-24	80	54	71
E N Central	1	-10	-30	77	51	69
W N Central	4	-12	-18	60	25	34
South Atlantic	0	-1	-4	108	33	40
E S Central	0	-1	-6	101	33	51
W S Central	0	-1	-1	114	12	24
Mountain	7	-14	3	58	5	-20
Pacific	2	-4	2	42	5	-50
United States	2	-7	-13	80	30	30

Note: HDD = heating degree day; CDD = cooling degree day

Source: National Oceanic and Atmospheric Administration

Source: Energy Information Administration, *Natural Gas Weekly Update*.

USGS Production of Selected Mineral Commodities	2018 Year to Date - 1st Quarter	2017 Year to Date - 1st Quarter	Percent Change
Aluminum, secondary (000 Mt.)	209.0	244.0	-14%
Cement (Mil. Mt.)	16.8	16.9	-1%
Copper (000 Mt.)	277.0	324.0	-15%
Gold (Mt.)	51.0	52.9	-4%
Gypsum (Mil. Mt.)	3.8	4.0	-5%
Iron Ore (Mil. Mt.)	11.6	10.4	12%
Lead (000 Mt.)	59.0	81.3	-27%
Molybdenum (000 Mt.)	10.4	9.9	5%
Phosphate rock (Mil. Mt.)	6.4	6.6	-3%
Sand & gravel, construction (Mil. Mt.)	165.0	155.0	6%
Silver (Mt.)	217.0	274.0	-21%
Soda ash (Mil. Mt.)	3.0	2.9	3%
Stone, crushed (Mil. Mt.)	256.0	262.0	-2%
Zinc (000 Mt.)	170.0	167.0	2%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2018 data are preliminary estimates.

Natural gas spot prices (Henry Hub)

\$/MMBtu



Source: Natural Gas Intelligence

Source: Energy Information Administration, *Natural Gas Weekly*.

EIA Coal Stocks and Average Number of Days of Burn (Power Sector)

Coal stocks and average number of days of burn for non-lignite coal by region (electric power sector)

Zone	Coal	June 2018		June 2017		% Change of Stocks	May 2018		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	3,408	85	4,519	72	-24.6%	3,424	86	-0.4%
	Subbituminous	147	213	136	193	7.5%	147	240	0.0%
South	Bituminous	21,552	62	31,009	71	-30.5%	23,398	68	-7.9%
	Subbituminous	6,246	55	6,216	58	0.5%	6,891	63	-9.4%
Midwest	Bituminous	10,802	73	15,242	79	-29.1%	11,265	77	-4.1%
	Subbituminous	31,471	79	40,966	72	-23.2%	33,132	84	-5.0%
West	Bituminous	5,317	99	5,779	83	-8.0%	5,209	100	2.1%
	Subbituminous	24,946	69	30,246	73	-17.5%	26,459	75	-5.7%
U.S. Total	Bituminous	41,080	70	56,549	74	-27.4%	43,476	75	-5.5%
	Subbituminous	62,809	72	77,564	71	-19.0%	66,629	78	-5.7%

Source: Energy Information Administration, *Electricity Monthly Update*

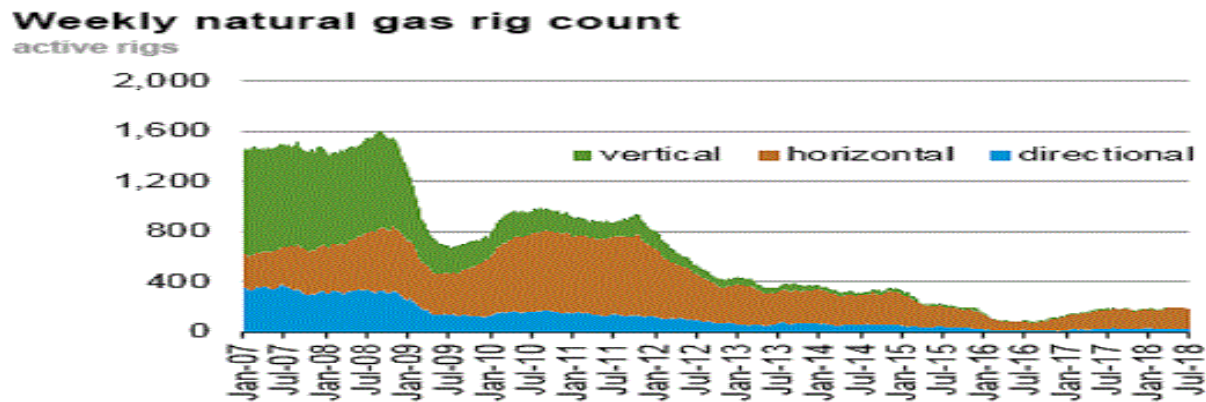
EIA Working Natural Gas Underground Storage

Region	Working gas in underground storage		
	Stocks billion cubic feet (Bcf)		
	2018-09-07	2018-08-31	change
East	679	659	20
Midwest	734	702	32
Mountain	166	162	4
Pacific	250	246	4
South Central	806	799	7
Total	2,636	2,567	69

Source: Form EIA-912, "Weekly Underground Natural Gas Storage Report"

Source: Energy Information Administration, *Natural Gas Weekly Update*.

EIA Natural Gas Rig Count



Source: Baker Hughes

Source: Energy Information Administration, *Natural Gas Weekly Update*

EIA Oil and Natural Gas Rig Productivity

Region	New-well oil production per rig barrels/day			New-well gas production per rig thousand cubic feet/day		
	September 2018	October 2018	change	September 2018	October 2018	change
Anadarko	408	411	3	2,881	2,904	23
Appalachia	145	146	1	16,131	16,282	151
Bakken	1,491	1,501	10	1,871	1,908	37
Eagle Ford	1,446	1,448	2	5,736	5,862	126
Haynesville	25	26	1	8,681	8,748	67
Niobrara	1,189	1,190	1	4,458	4,474	16
Permian	555	546	(9)	1,225	1,225	-
Total	646	641	(5)	3,736	3,733	(3)

Source: Energy Information Administration, *Drilling Productivity Report*