

National Mining Association

Weekly Statistical Summary

September 7, 2018 Edition
(Data for Week Ending September 1, 2018)

Prepared by
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NMA Weekly Statistical Summary

Vol. 56, No. 35
Dated 09/07/18

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	09/01/18	09/02/17	% Chng	09/01/18	09/01/17	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,616	15,697	-0.5%	506,218	519,828	-2.6%
52 Weeks Ended	758,467	794,929	-4.6%			
AAR Coal Rail Cars Loaded:	92,084	94,510	-2.6%	2,927,915	2,950,339	-0.8%
Coal Production Month Ended - Aug	Aug 18/17 69,491	% Chng 70,482	% Chng -1.4%	Jan - Aug 18/17 504,188	% Chng 517,474	% Chng -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		
	09/01/18	09/02/17	% Chng	09/01/18	09/02/17	% Chng
EI Electric Total Output (Mil. Kwh)	89,856	77,100	16.5%	2,823,900	2,717,173	3.9%
EI Coal Region Output (Mil. Kwh)	78,552	64,769	21.3%	2,445,145	2,334,221	4.8%
AISI Raw Steel Output (000 Tons)	1,870	1,759	6.3%	62,997	60,582	4.0%

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)	
	08/31/18	08/24/18	% Chng	Wed.	08/29/18
Central App, 12,500 Btu, 1.2 SO ₂	\$73.20	\$73.20	0.0%	Henry Hub	2.96
Northern App, 13,000 Btu, < 3.0 SO ₂	56.45	56.45	0.0%	New York	3.04
Illinois Basin, 11,800, 5.0 SO ₂	32.70	32.70	0.0%	Chicago	2.72
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.15	12.15	0.0%	Cal.Comp.Avg.	2.72
Uinta Basin, 11,700 Btu, 0.8 SO ₂	41.00	41.00	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									
Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	9/1/2018 (week 35)	8/25/2018 (week 34)	9/2/2017 (week 35)	9/1/2018	9/1/2017	% Change	9/1/2018	9/2/2017	% Change
Alabama	287	269	224	9,912	8,736	13.5	13,853	12,224	13.3
Alaska	21	21	19	641	622	3.0	975	905	7.7
Arizona	122	131	110	4,052	4,000	1.3	6,259	5,955	5.1
Arkansas	1	1	-	24	27	-8.2	24	42	-42.9
Colorado	272	281	252	9,604	10,332	-7.0	14,286	15,524	-8.0
Illinois	990	958	909	33,396	33,396	s	48,237	48,404	-0.3
Indiana	650	633	619	21,644	21,420	1.0	31,616	31,554	0.2
Kentucky Total	775	762	783	26,873	29,418	-8.7	39,710	44,594	-11.0
Eastern (KY)	368	370	336	12,418	12,826	-3.2	18,279	18,729	-2.4
Western (KY)	407	392	447	14,455	16,592	-12.9	21,431	25,865	-17.1
Louisiana	18	24	13	777	1,539	-49.5	1,315	2,588	-49.2
Maryland	32	29	34	1,025	1,175	-12.8	1,504	1,834	-18.0
Mississippi	37	39	36	1,578	1,882	-16.2	2,295	2,928	-21.6
Missouri	5	5	5	164	165	-0.4	243	250	-2.8
Montana	878	838	836	24,929	22,272	11.9	37,780	35,300	7.0
New Mexico	211	214	254	7,189	9,454	-24.0	10,900	14,275	-23.6
North Dakota	619	599	597	19,442	18,981	2.4	29,170	29,162	s
Ohio	188	186	189	5,976	6,328	-5.6	9,120	9,935	-8.2
Oklahoma	11	11	11	341	375	-9.1	526	598	-12.0
Pennsylvania Total	958	946	935	31,784	33,314	-4.6	47,433	50,609	-6.3
Anthracite (PA)	35	33	33	1,047	1,268	-17.5	1,657	1,838	-9.8
Bituminous (PA)	923	913	902	30,737	32,045	-4.1	45,776	48,771	-6.1
Tennessee	6	5	7	197	333	-40.9	294	534	-44.9
Texas	692	692	743	19,914	23,570	-15.5	32,585	37,598	-13.3
Utah	293	310	262	9,439	9,191	2.7	14,540	14,119	3.0
Virginia	258	251	262	8,778	9,466	-7.3	12,957	14,201	-8.8
West Virginia Total	1,942	1,919	1,724	63,395	61,889	2.4	94,082	91,037	3.3
Northern (WV)	859	890	832	29,416	31,217	-5.8	44,886	47,284	-5.1
Southern (WV)	1,083	1,029	893	33,978	30,672	10.8	49,197	43,752	12.4
Wyoming	6,350	6,363	6,871	205,144	211,942	-3.2	308,762	330,760	-6.7
Appalachian Total	4,039	3,976	3,713	133,485	134,067	-0.4	197,523	199,101	-0.8
Interior Total	2,811	2,755	2,783	92,294	98,966	-6.7	138,272	149,827	-7.7
Western Total	8,766	8,757	9,201	280,439	286,795	-2.2	422,672	446,001	-5.2
East of Mississippi River	6,123	5,997	5,724	204,558	207,358	-1.3	301,101	307,852	-2.2
West of Mississippi River	9,493	9,491	9,973	301,660	312,471	-3.5	457,366	487,077	-6.1
Bituminous and Lignite	15,580	15,455	15,664	505,171	518,560	-2.6	756,810	793,091	-4.6
Anthracite	35	33	33	1,047	1,268	-17.5	1,657	1,838	-9.8
U.S. Total	15,616	15,488	15,697	506,218	519,828	-2.6	758,467	794,929	-4.6
Railroad Cars Loaded	92,084	91,300	94,510	2,927,915	2,950,339	-0.8	4,394,845	4,553,364	-3.5

Source: Energy Information Administration



Weekly Electric Output

Volume 86 No. 35

OUTPUT FOR WEEK ENDED - Sep 01, 2018

Sep 06, 2018

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Sep 01, 2018 was 89,856 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 175 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended September 01		52 Weeks Ended September 01	
	GWh Output	% Increase Over Corresponding Week of 2017	GWh Output	% Increase Over Corresponding Period of 2017
New England	2,872	33.6	122,464	1.5
Mid-Atlantic	10,424	39.5	437,915	3.1
Central Industrial	14,682	25.1	682,162	3.6
West Central	7,166	13.3	337,434	3.9
Southeast	22,477	18.7	1,040,371	2.6
South Central	17,739	26.3	759,818	5.3
Rocky Mountain	6,064	-3.0	279,421	0.3
Pacific Northwest	2,526	-6.9	157,534	-0.9
Pacific Southwest	5,906	-20.9	279,551	-1.3
Total United States	89,856	16.5	4,096,669	2.8

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2018	Week Ended	2017	% Inc. (18/17)	52 Weeks Ended	2018	% Inc. (18/17)
Aug 11	92,989	Aug 12	84,069	10.6	Aug 11	4,080,201	2.1
Aug 18	91,061	Aug 19	87,790	3.7	Aug 18	4,083,472	2.2
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 01	2,823,900	Sep 02	2,717,173	3.9	YEAR TO DATE, FIRST 35 WEEKS		

WEEKLY ELECTRIC OUTPUT INDEX--TOTAL U.S.*
SEASONALLY ADJUSTED 1982 = 100

Week Ended	2018	Week Ended	2017	Week Ended	2016
Aug 11	184	Aug 12	166	Aug 13	189
Aug 18	173	Aug 19	178	Aug 20	181
Aug 25	163	Aug 26	173	Aug 27	178
Sep 01	175	Sep 02	159	Sep 03	180

* 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		
	1-Sep 2018 GWh Output	2-Sep 2017 GWh Output	% Increase Over Corresponding Week of 2017	1-Sep 2018 GWh Output	2-Sep 2017 GWh Output	% Increase Over Corresponding Week of 2017	1-Sep 2018 GWh Output	2-Sep 2017 GWh Output	% Increase Over Corresponding Week of 2017
New England	2,872	2,150	33.6%	83,678	81,797	2.3%	122,464	120,622	1.5%
Mid-Atlantic	10,424	7,473	39.5%	302,159	289,220	4.5%	437,915	424,920	3.1%
Central Industrial	14,682	11,737	25.1%	471,686	447,798	5.3%	682,162	658,705	3.6%
West Central	7,166	6,324	13.3%	232,096	220,607	5.2%	337,434	324,672	3.9%
Southeast	22,477	18,940	18.7%	718,799	691,474	4.0%	1,040,371	1,014,103	2.6%
South Central	17,739	14,046	26.3%	530,084	495,909	6.9%	759,818	721,579	5.3%
Rocky Mountain	6,064	6,249	-3.0%	190,321	189,213	0.6%	279,421	278,688	0.3%
Pacific Northwest	2,526	2,713	-6.9%	105,778	107,786	-1.9%	157,534	158,928	-0.9%
Pacific Southwest	5,906	7,468	-20.9%	189,298	193,370	-2.1%	279,551	283,125	-1.3%
Total United States ^{1/}	89,856	77,100	16.5%	2,823,899	2,717,174	3.9%	4,096,670	3,985,342	2.8%
Coal Regions Only ^{2/}	78,552	64,769	21.3%	2,445,145	2,334,221	4.8%	3,537,121	3,422,667	3.3%

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*.

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September 4, 2018

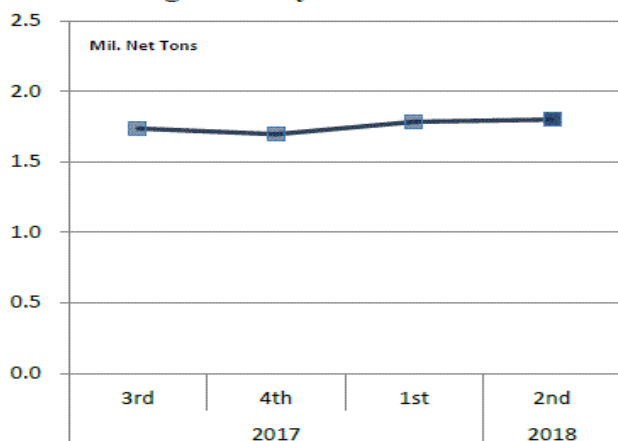
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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>Week Ending</u>	
<u>Week Ending</u>				<u>Sep. 1</u>	<u>Aug 25</u>	
				North East	215	207
				Great Lakes	697	691
				Midwest	196	192
				Southern	680	683
				Western	82	85
				Total	1,870	1,858
September 1, 2018	1,870	0.6	79.8			
September 1, 2017	1,759	6.3	75.4			
August 25, 2018	1,858	-0.3	79.3			
Year-to-Date +						
September 1, 2018	62,997	4.0	77.3			
September 1, 2017	60,582	-	74.6			

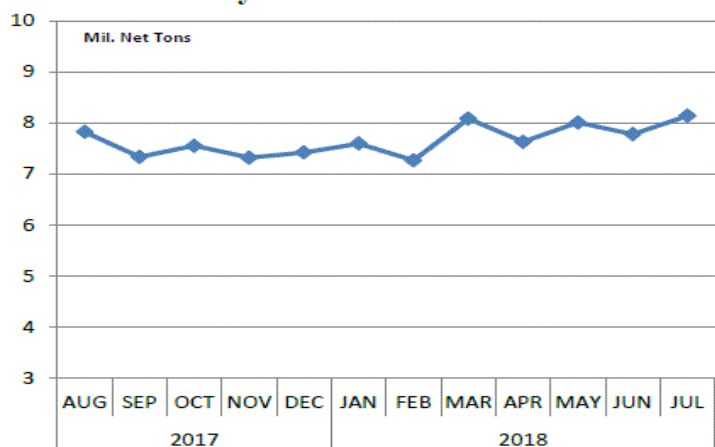
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 35, 2018 – Ended September 1, 2018

	This Week		Year-To-Date		
	Cars	vs 2017	Cumulative	Avg/wk ²	vs 2017
Total Carloads	280,366	9.6%	9,181,733	262,335	1.9%
Chemicals	33,408	33.9%	1,133,538	32,387	4.5%
Coal	92,084	-2.7%	2,936,539	83,901	-0.9%
Farm Products excl. Grain, and Food	16,331	4.2%	566,579	16,188	2.3%
Forest Products	11,289	9.9%	361,590	10,331	2.8%
Grain	22,633	24.3%	810,941	23,170	4.2%
Metallic Ores and Metals	25,208	8.6%	814,254	23,264	3.3%
Motor Vehicles and Parts	17,372	0.6%	578,623	16,532	-0.6%
Nonmetallic Minerals	39,562	12.3%	1,271,991	36,343	3.1%
Petroleum and Petroleum Products	12,222	60.1%	372,830	10,652	11.9%
Other	10,257	19.0%	334,848	9,567	-1.5%
Total Intermodal Units	287,515	6.0%	9,704,619	277,275	6.0%
Total Traffic	567,881	7.8%	18,886,352	539,610	4.0%

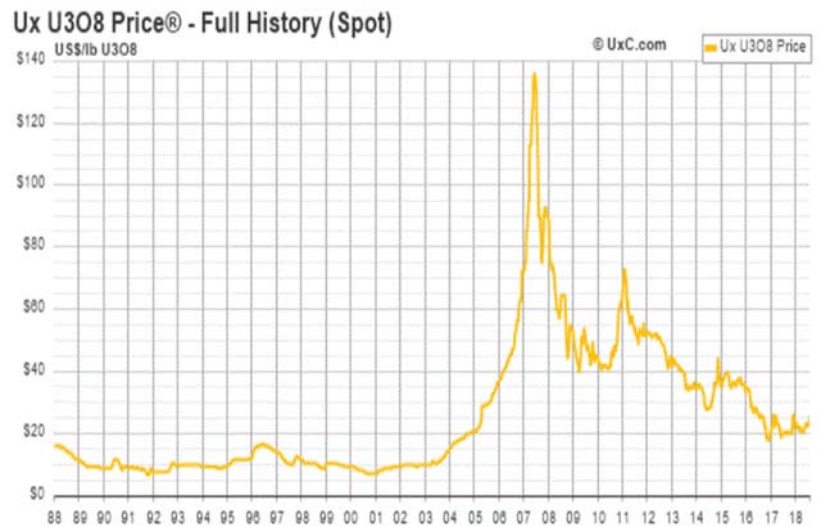
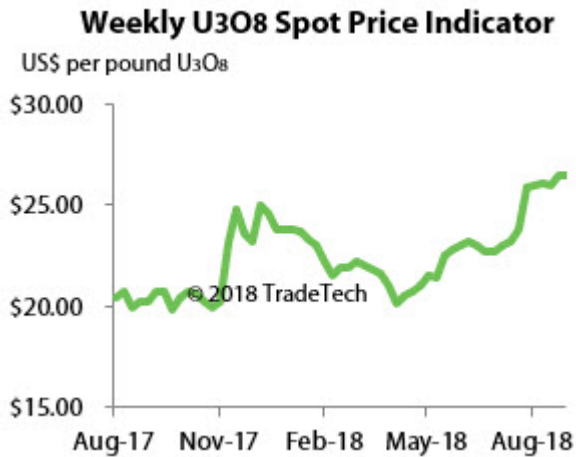
¹ Excludes U.S. operations of Canadian Pacific, CN and GMXT.

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>

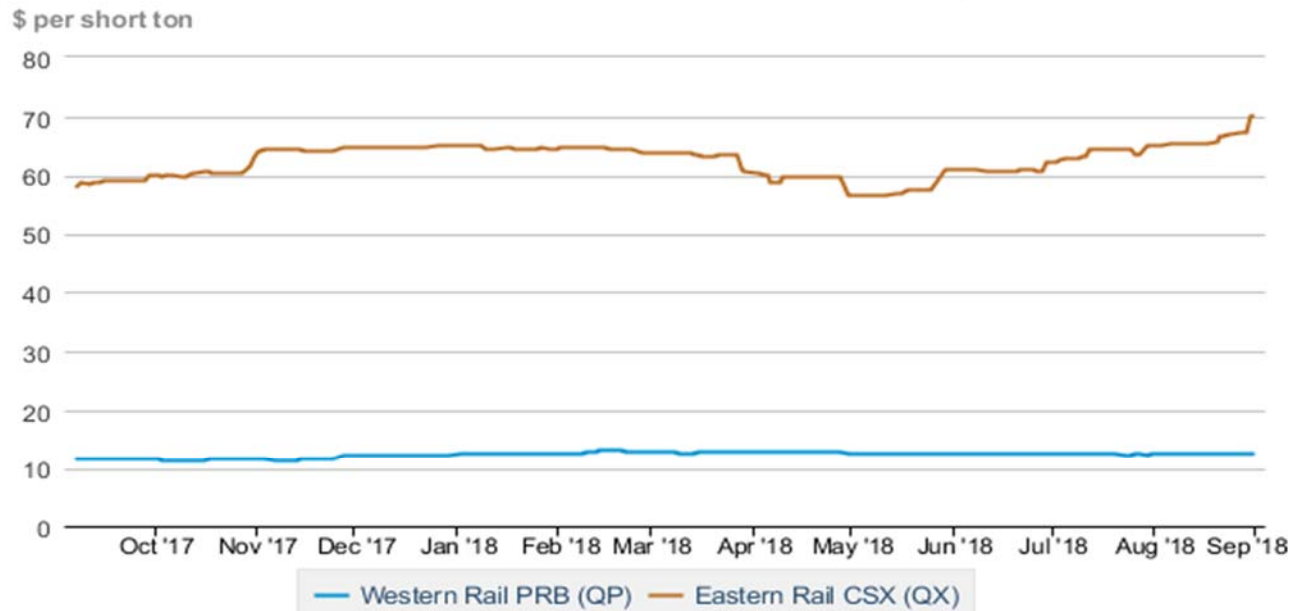
Trade Tech's and UX's Uranium Price Indicators

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
	08/03/18	08/10/18	08/17/18	08/24/18	08/31/18	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$72.70	\$72.70	\$73.20	\$73.20	\$73.20	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$54.75	\$54.75	\$56.45	\$56.45	\$56.45	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$32.95	\$32.95	\$32.70	\$32.70	\$32.70	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.95	\$12.95	\$12.15	\$12.15	\$12.15	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$41.15	\$41.15	\$41.00	\$41.00	\$41.00	\$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 Aug 23)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	2	-3	1	38	9	-9
Middle Atlantic	1	-2	1	53	10	-9
E N Central	4	-2	1	45	4	-6
W N Central	5	-2	1	43	-12	-7
South Atlantic	0	-1	0	98	11	-15
E S Central	0	0	0	85	2	-17
W S Central	0	0	0	129	11	-3
Mountain	7	-2	7	75	7	3
Pacific	0	-5	0	64	22	17
United States	2	-2	1	72	8	-5

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: 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

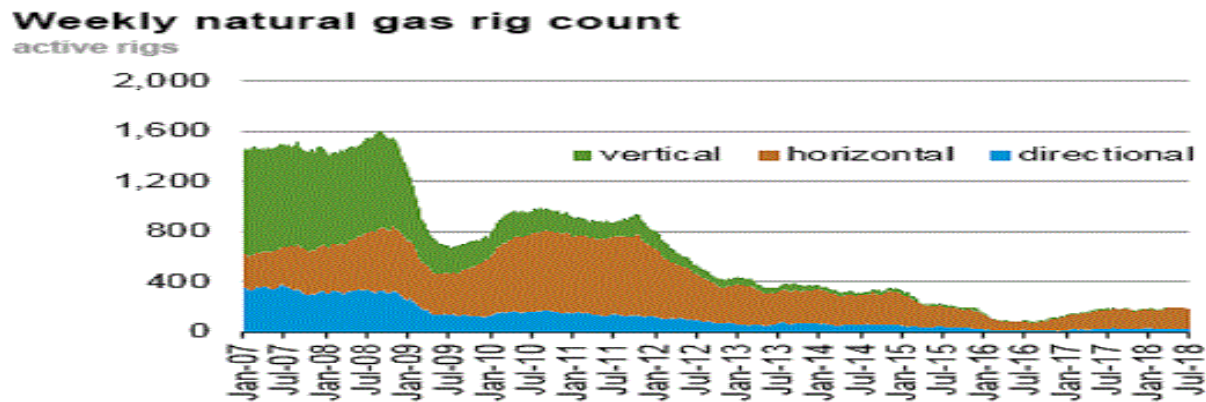
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2018-08-24	2018-08-17	change
East	640	613	27
Midwest	667	632	35
Mountain	157	153	4
Pacific	241	239	2
South Central	800	798	2
Total	2,505	2,435	70

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		
	August 2018	September 2018	change	August 2018	September 2018	change
Anadarko	407	410	3	2,866	2,889	23
Appalachia	145	146	1	15,972	16,125	153
Bakken	1,487	1,496	9	1,797	1,828	31
Eagle Ford	1,485	1,489	4	5,615	5,741	126
Haynesville	25	25	-	8,617	8,692	75
Niobrara	1,187	1,188	1	4,568	4,599	31
Permian	562	552	(10)	1,235	1,235	-
Total	650	649	(1)	3,762	3,747	(15)

Source: Energy Information Administration, *Drilling Productivity Report*