

National Mining Association

Weekly Statistical Summary

August 24, 2018 Edition
(Data for Week Ending August 18, 2018)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 56, No. 33
Dated 08/24/18

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	08/18/18	08/19/17	% Chng	08/18/18	08/18/17	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,825	16,255	-2.6%	475,114	488,062	-2.7%
52 Weeks Ended	759,058	794,114	-4.4%			
AAR Coal Rail Cars Loaded:	93,248	97,873	-4.7%	2,744,531	2,759,074	-0.5%
Coal Production Month Ended - July	July 18/17		% Chng	Jan - July 18/17		% Chng
	63,667	62,877	1.3%	434,697	446,992	-2.8%
DOC Coal Trade (000 Tons)						
Exports:	June 18/17			Jan - June 18/17		
			% Chng			% Chng
Metallurgical	5,480	4,277	28.1%	31,820	25,622	24.2%
Steam *	4,650	3,032	53.4%	26,166	18,335	42.7%
Lignite	5	8	-37.5%	44	39	12.8%
Anthracite	6	6	0.0%	90	133	-32.3%
Total	10,141	7,323	38.5%	58,120	44,129	31.7%
Imports:	509	651	-21.8%	2,913	4,112	-29.2%
	Week Ended			Cumulative Week 1 to		
	08/18/18	08/19/17	% Chng	08/18/18	08/19/17	% Chng
EI Electric Total Output (Mil. Kwh)	91,061	87,790	3.7%	2,648,535	2,555,005	3.7%
EI Coal Region Output (Mil. Kwh)	78,856	76,568	3.0%	2,292,448	2,195,711	4.4%
AISI Raw Steel Output (000 Tons)	1,864	1,767	5.5%	59,135	57,056	3.6%

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)	
	08/17/18	08/10/18	% Chng	Wed.	08/15/18
Central App, 12,500 Btu, 1.2 SO ₂	\$73.20	\$72.70	0.7%	Henry Hub	3.01
Northern App, 13,000 Btu, < 3.0 SO ₂	56.45	54.75	3.1%	New York	3.14
Illinois Basin, 11,800, 5.0 SO ₂	32.70	32.95	-0.8%	Chicago	2.95
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.15	12.95	-6.2%	Cal.Comp.Avg.	3.19
Uinta Basin, 11,700 Btu, 0.8 SO ₂	41.00	41.15	-0.4%		

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



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National Mining Association Web Site: [http:// www.nma.org](http://www.nma.org)

EIA Estimated Weekly U.S. Coal Production Overview

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	8/18/2018 (week 33)	8/11/2018 (week 32)	8/19/2017 (week 33)	8/18/2018	8/18/2017	% Change	8/18/2018	8/19/2017	% Change
Alabama	287	283	232	9,356	8,283	13.0	13,749	12,132	13.3
Alaska	21	21	20	598	584	2.5	971	896	8.4
Arizona	126	120	114	3,799	3,778	0.6	6,228	5,966	4.4
Arkansas	1	1	.	22	27	-18.4	22	44	-50.0
Colorado	287	268	261	9,050	9,822	-7.9	14,241	15,496	-8.1
Illinois	1,005	976	941	31,448	31,556	-0.3	48,124	48,174	-0.1
Indiana	655	640	641	20,361	20,167	1.0	31,583	31,457	0.4
Kentucky Total	791	761	809	25,336	27,778	-8.8	39,715	44,586	-10.9
Eastern (KY)	379	360	346	11,680	12,090	-3.4	18,181	18,593	-2.2
Western (KY)	412	401	463	13,656	15,688	-13.0	21,534	25,993	-17.2
Louisiana	21	17	14	735	1,512	-51.4	1,300	2,663	-51.2
Maryland	32	31	36	964	1,106	-12.8	1,513	1,833	-17.5
Mississippi	40	36	38	1,503	1,809	-16.9	2,293	2,976	-23.0
Missouri	5	5	5	154	155	-0.4	243	250	-2.8
Montana	861	865	866	23,214	20,580	12.8	37,753	35,083	7.6
New Mexico	221	208	263	6,764	8,940	-24.3	10,988	14,220	-22.7
North Dakota	615	610	618	18,223	17,773	2.5	29,158	29,063	0.3
Ohio	191	186	196	5,602	5,945	-5.8	9,128	10,025	-8.9
Oklahoma	11	10	11	320	354	-9.7	526	602	-12.6
Pennsylvania Total	975	945	968	29,880	31,421	-4.9	47,418	50,531	-6.2
Anthracite (PA)	35	35	34	979	1,201	-18.5	1,656	1,829	-9.5
Bituminous (PA)	941	910	934	28,902	30,220	-4.4	45,762	48,702	-6.0
Tennessee	6	6	7	186	318	-41.7	297	544	-45.4
Texas	697	682	770	18,530	22,066	-16.0	32,702	37,711	-13.3
Utah	303	289	271	8,836	8,661	2.0	14,466	14,101	2.6
Virginia	262	255	271	8,269	8,937	-7.5	12,976	14,208	-8.7
West Virginia Total	1,968	1,917	1,788	59,534	58,454	1.8	93,742	90,881	3.1
Northern (WV)	887	846	861	27,667	29,534	-6.3	44,816	47,467	-5.6
Southern (WV)	1,082	1,071	927	31,867	28,920	10.2	48,927	43,414	12.7
Wyoming	6,443	6,259	7,116	192,430	198,037	-2.8	309,923	330,673	-6.3
Appalachian Total	4,100	3,982	3,845	125,470	126,554	-0.9	197,004	198,746	-0.9
Interior Total	2,848	2,770	2,882	86,728	93,334	-7.1	138,326	149,870	-7.7
Western Total	8,877	8,640	9,529	262,916	268,174	-2.0	423,727	445,498	-4.9
East of Mississippi River	6,212	6,036	5,928	192,438	195,774	-1.7	300,538	307,346	-2.2
West of Mississippi River	9,613	9,357	10,328	282,677	292,288	-3.3	458,520	486,767	-5.8
Bituminous and Lignite	15,791	15,358	16,221	474,135	486,860	-2.6	757,401	792,284	-4.4
Anthracite	35	35	34	979	1,201	-18.5	1,656	1,829	-9.5
U.S. Total	15,825	15,393	16,255	475,114	488,062	-2.7	759,058	794,114	-4.4
Railroad Cars Loaded	93,248	90,645	97,873	2,744,531	2,759,074	-0.5	4,402,288	4,543,605	-3.1

Source: Energy Information Administration



Weekly Electric Output

Volume 86 No. 33

OUTPUT FOR WEEK ENDED - Aug 18, 2018

Aug 22, 2018

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, **Aug 18, 2018** was **91,061** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **173** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended August 18		52 Weeks Ended August 18	
	GWh Output	% Increase Over Corresponding Week of 2017	GWh Output	% Increase Over Corresponding Period of 2017
New England	2,785	7.7	121,904	0.5
Mid-Atlantic	10,162	6.6	435,350	1.9
Central Industrial	14,368	3.8	679,148	2.7
West Central	7,628	13.6	336,492	3.4
Southeast	22,357	-2.1	1,037,885	2.0
South Central	17,445	-0.8	754,579	4.4
Rocky Mountain	6,896	13.9	279,480	0.7
Pacific Northwest	2,693	3.3	157,693	-0.7
Pacific Southwest	6,727	11.6	280,941	-0.3
Total United States	91,061	3.7	4,083,473	2.2

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2018	Week Ended	2017	% Inc. (18/17)	52 Weeks Ended	2018	% Inc. (18/17)
Jul 28	91,789	Jul 29	90,617	1.3	Jul 28	4,069,116	1.4
Aug 04	88,440	Aug 05	86,273	2.5	Aug 04	4,071,282	1.6
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 18	2,648,535	Aug 19	2,555,005	3.7	YEAR TO DATE, FIRST 33 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2018	Week Ended	2017	Week Ended	2016
Jul 28	177	Jul 29	179	Jul 30	176
Aug 04	172	Aug 05	170	Aug 06	172
Aug 11	184	Aug 12	166	Aug 13	189
Aug 18	173	Aug 19	178	Aug 20	181

* 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		
	18-Aug 2018 GWh Output	19-Aug 2017 GWh Output	% Increase Over Corresponding Week of 2017	18-Aug 2018 GWh Output	19-Aug 2017 GWh Output	% Increase Over Corresponding Week of 2017	18-Aug 2018 GWh Output	19-Aug 2017 GWh Output	% Increase Over Corresponding Week of 2017
New England	2,785	2,587	7.7%	78,425	77,105	1.7%	121,904	121,300	0.5%
Mid-Atlantic	10,162	9,536	6.6%	282,930	272,555	3.8%	435,350	427,268	1.9%
Central Industrial	14,368	13,838	3.8%	443,750	422,877	4.9%	679,148	661,606	2.7%
West Central	7,628	6,716	13.6%	218,289	207,742	5.1%	336,492	325,442	3.4%
Southeast	22,357	22,842	-2.1%	675,022	650,184	3.8%	1,037,885	1,017,461	2.0%
South Central	17,445	17,584	-0.8%	494,777	465,841	6.2%	754,579	723,047	4.4%
Rocky Mountain	6,896	6,052	13.9%	177,680	176,512	0.7%	279,480	277,646	0.7%
Pacific Northwest	2,693	2,607	3.3%	100,605	102,453	-1.8%	157,693	158,812	-0.7%
Pacific Southwest	6,727	6,028	11.6%	177,056	179,737	-1.5%	280,941	281,811	-0.3%
Total United States ^{1/}	91,061	87,790	3.7%	2,648,534	2,555,006	3.7%	4,083,472	3,994,393	2.2%
Coal Regions Only ^{2/}	78,856	76,568	3.0%	2,292,448	2,195,711	4.4%	3,522,934	3,432,470	2.6%

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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August 20, 2018

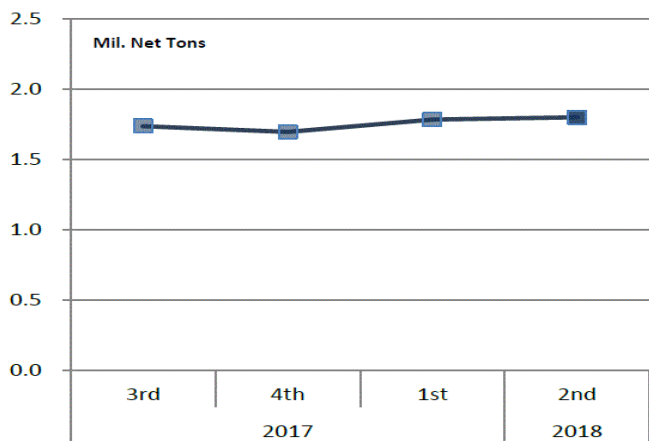
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 Aug 18</u>	<u>Week Ending Aug 11</u>	
<u>Week Ending</u>				North East	208	223
				Great Lakes	692	681
August 18, 2018	1,864	0.5	79.5	Midwest	190	192
August 18, 2017	1,767	5.5	75.8	Southern	693	676
August 11, 2018	1,855	1.5	79.1	Western	81	83
				Total	1,864	1,855
<u>Year-to-Date +</u>						
August 18, 2018	59,135	3.6	77.0			
August 18, 2017	57,056	-	74.6			

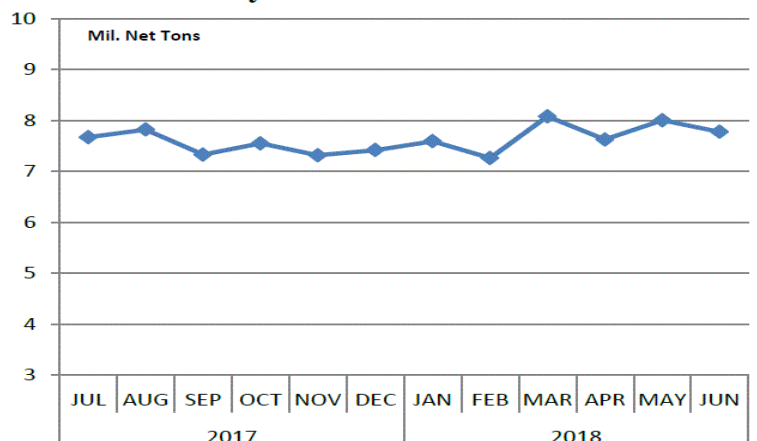
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 33, 2018 – Ended August 18, 2018

	This Week		Year-To-Date		
	Cars	vs 2017	Cumulative	Avg/wk ²	vs 2017
Total Carloads	278,701	2.9%	8,626,033	261,395	1.7%
Chemicals	32,522	3.4%	1,067,566	32,350	3.8%
Coal	93,248	-4.6%	2,753,155	83,429	-0.7%
Farm Products excl. Grain, and Food	16,254	4.8%	534,290	16,191	2.1%
Forest Products	10,645	5.8%	339,464	10,287	2.4%
Grain	23,404	30.7%	766,244	23,220	3.5%
Metallic Ores and Metals	24,620	0.7%	763,595	23,139	3.0%
Motor Vehicles and Parts	17,165	3.2%	544,441	16,498	-0.8%
Nonmetallic Minerals	39,316	1.9%	1,193,292	36,160	2.9%
Petroleum and Petroleum Products	10,898	16.5%	349,276	10,584	10.4%
Other	10,629	16.7%	314,710	9,537	-2.1%
Total Intermodal Units	288,776	4.4%	9,126,732	276,568	6.0%
Total Traffic	567,477	3.7%	17,752,765	537,963	3.9%

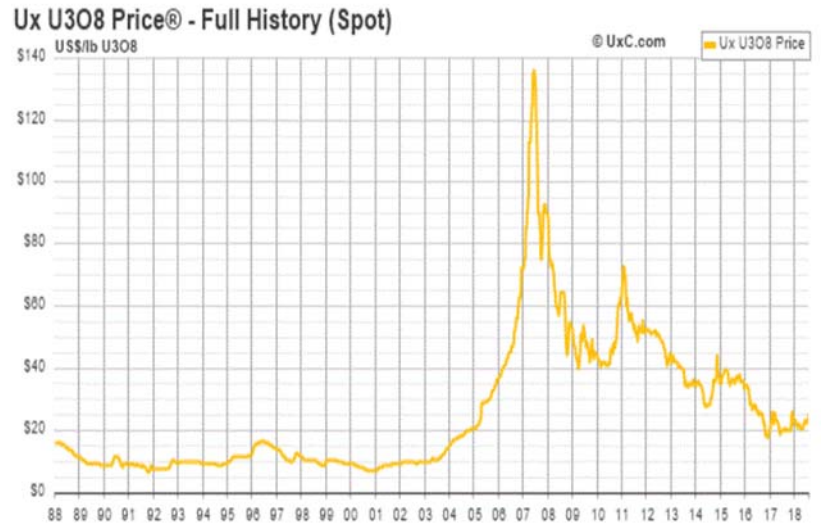
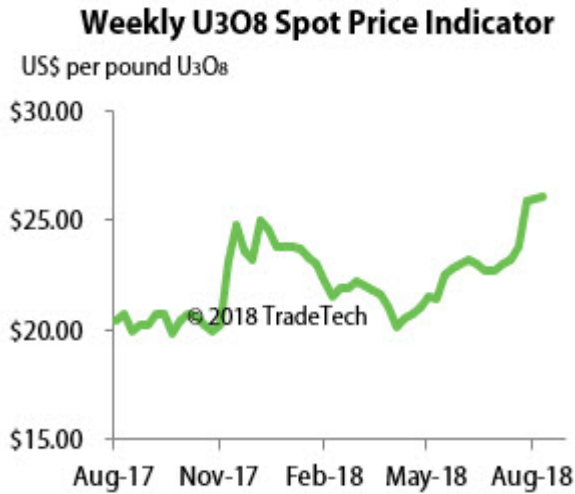
¹ Excludes U.S. operations of Canadian Pacific, CN and GMXT.

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

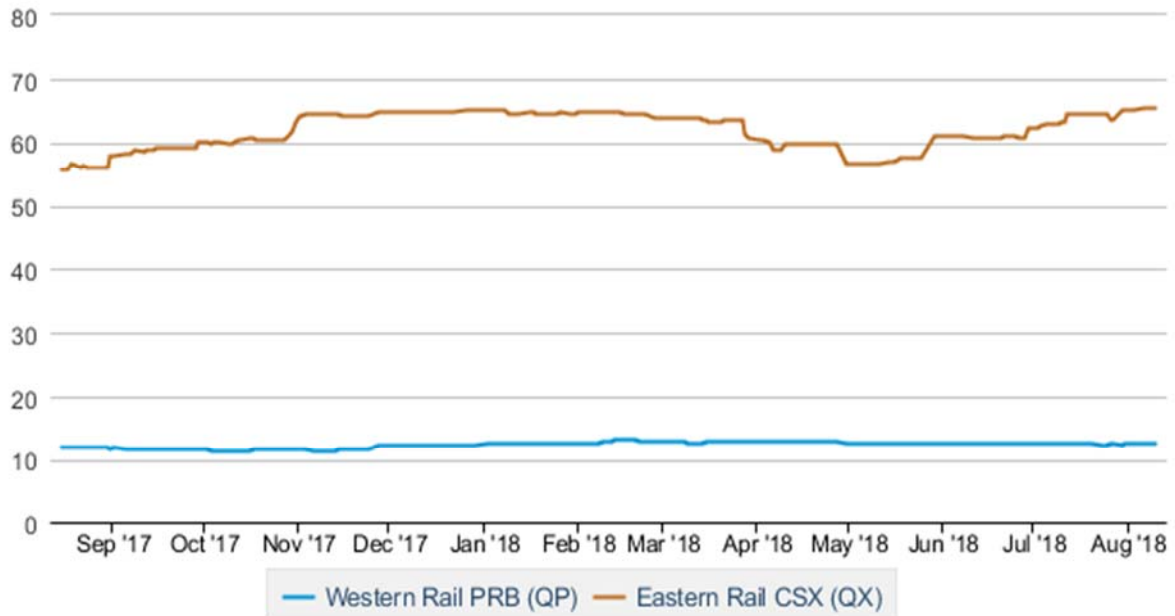
Ux U3O8 Price - Full History



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

\$ per short ton



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

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

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Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago change
	07/20/18	07/27/18	08/03/18	08/10/18	08/17/18	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$70.55	\$70.55	\$72.70	\$72.70	\$73.20	\$0.50
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$53.10	\$53.10	\$54.75	\$54.75	\$56.45	\$1.70
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$32.95	\$32.95	\$32.95	\$32.95	\$32.70	-\$0.25
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$13.00	\$13.00	\$12.95	\$12.95	\$12.15	-\$0.80
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$41.30	\$41.30	\$41.15	\$41.15	\$41.00	-\$0.15

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

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



 Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Aug 09)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	0	-2	-3	90	47	59
Middle Atlantic	0	-3	-4	91	34	55
E N Central	0	-4	-10	74	20	54
W N Central	0	-3	-12	76	9	48
South Atlantic	0	0	0	107	12	18
E S Central	0	0	0	100	7	29
W S Central	0	0	0	126	2	14
Mountain	0	-2	-4	92	19	18
Pacific	0	-2	0	81	34	5
United States	0	-2	-4	93	21	32

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)



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 (e power sector)

Zone	Coal	May 2018		May 2017		% Change of Stocks	April 2018	
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn
Northeast	Bituminous	3,424	86	4,468	73	-23.4%	3,332	88
	Subbituminous	147	240	142	225	3.2%	79	233
South	Bituminous	23,398	68	32,033	72	-27.0%	23,749	78
	Subbituminous	6,891	63	6,379	61	8.0%	7,259	75
Midwest	Bituminous	11,265	77	15,530	80	-27.5%	10,838	76
	Subbituminous	33,132	84	42,419	76	-21.9%	33,992	95
West	Bituminous	5,209	100	6,048	86	-13.9%	4,976	102
	Subbituminous	26,459	75	31,479	78	-15.9%	27,300	88
U.S. Total	Bituminous	43,476	75	58,079	76	-25.1%	42,985	80
	Subbituminous	66,629	78	80,419	75	-17.1%	68,631	90

Source: U.S. Energy Information Administration

NOTE: Stockpile levels shown above reflect a sample of electric power sector plants, which were used to create burn statistics. These levels will not equal total electric power sector stockpile levels.

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

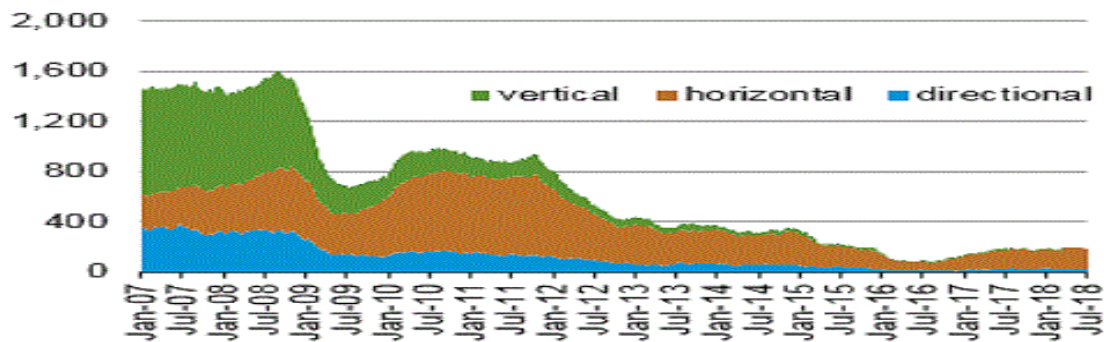
Region	Stocks billion cubic feet (Bcf)		
	2018-08-10	2018-08-03	change
East	592	575	17
Midwest	603	579	24
Mountain	151	148	3
Pacific	240	245	-5
South Central	801	807	-6
Total	2,387	2,354	33

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

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

EIA Natural Gas Rig Count

Weekly natural gas rig count
active rigs



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*