

National Mining Association

Weekly Statistical Summary

August 17, 2018 Edition
(Data for Week Ending August 11, 2018)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 56, No. 32
Dated 08/17/18

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	08/11/18	08/12/17	% Chng	08/11/18	08/11/17	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,393	15,711	-2.0%	459,289	471,877	-2.7%
52 Weeks Ended	759,488	793,019	-4.2%			
AAR Coal Rail Cars Loaded:	90,645	94,593	-4.2%	2,651,283	2,661,627	-0.4%
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		
	08/11/18	08/12/17	% Chng	08/11/18	08/12/17	% Chng
EI Electric Total Output (Mil. Kwh)	92,989	84,069	10.6%	2,557,474	2,467,215	3.7%
EI Coal Region Output (Mil. Kwh)	79,939	72,232	10.7%	2,213,592	2,119,143	4.5%
AISI Raw Steel Output (000 Tons)	1,855	1,767	5.0%	57,271	55,289	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)	
	08/10/18	08/03/18	% Chng	Wed.	08/08/18
Central App, 12,500 Btu, 1.2 SO ₂	\$72.70	\$72.70	0.0%	Henry Hub	2.97
Northern App, 13,000 Btu, < 3.0 SO ₂	54.75	54.75	0.0%	New York	3.07
Illinois Basin, 11,800, 5.0 SO ₂	32.95	32.95	0.0%	Chicago	3.01
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.95	12.95	0.0%	Cal.Comp.Avg.	3.35
Uinta Basin, 11,700 Btu, 0.8 SO ₂	41.15	41.15	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



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EIA Estimated Weekly U.S. Coal Production Overview									
	Week Ended			Year to Date			52 Weeks Ended		
Coal-Producing Region & State (thousand short tons)	8/11/2018 (week 32)	8/4/2018 (week 31)	8/12/2017 (week 32)	8/11/2018	8/11/2017	% Change	8/11/2018	8/12/2017	% Change
Alabama	283	276	224	9,068	8,052	12.6	13,694	12,077	13.4
Alaska	21	22	19	577	564	2.3	970	890	9.0
Arizona	120	134	110	3,673	3,664	0.2	6,216	5,966	4.2
Arkansas	1	1	.	20	27	-23.6	20	45	-55.6
Colorado	268	288	252	8,764	9,562	-8.4	14,215	15,470	-8.1
Illinois	976	981	910	30,443	30,619	-0.6	48,061	48,021	0.1
Indiana	640	649	620	19,706	19,528	0.9	31,569	31,382	0.6
Kentucky Total	761	778	782	24,545	26,973	-9.0	39,732	44,577	-10.9
Eastern (KY)	360	376	334	11,301	11,746	-3.8	18,148	18,541	-2.1
Western (KY)	401	401	447	13,244	15,228	-13.0	21,585	26,036	-17.1
Louisiana	17	25	13	714	1,499	-52.4	1,292	2,699	-52.1
Maryland	31	30	34	933	1,070	-12.8	1,517	1,831	-17.1
Mississippi	36	40	36	1,463	1,771	-17.4	2,291	2,998	-23.6
Missouri	5	5	5	149	150	-0.5	243	250	-2.8
Montana	865	858	837	22,353	19,718	13.4	37,758	34,940	8.1
New Mexico	208	219	254	6,543	8,678	-24.6	11,030	14,182	-22.2
North Dakota	610	614	598	17,608	17,157	2.6	29,161	28,989	0.6
Ohio	186	190	190	5,411	5,749	-5.9	9,133	10,061	-9.2
Oklahoma	10	11	11	309	343	-10.0	526	604	-12.9
Pennsylvania Total	945	968	936	28,905	30,457	-5.1	47,411	50,451	-6.0
Anthracite (PA)	35	33	33	944	1,167	-19.1	1,656	1,824	-9.2
Bituminous (PA)	910	935	903	27,961	29,290	-4.5	45,755	48,628	-5.9
Tennessee	6	6	7	179	311	-42.3	299	549	-45.5
Texas	682	709	744	17,833	21,300	-16.3	32,774	37,734	-13.1
Utah	289	318	262	8,533	8,391	1.7	14,434	14,081	2.5
Virginia	255	257	262	8,007	8,667	-7.6	12,985	14,200	-8.6
West Virginia Total	1,917	1,968	1,728	57,566	56,674	1.6	93,562	90,699	3.2
Northern (WV)	846	912	832	26,781	28,677	-6.6	44,791	47,520	-5.7
Southern (WV)	1,071	1,057	896	30,785	27,997	10.0	48,772	43,179	13.0
Wyoming	6,259	6,516	6,877	185,987	190,952	-2.6	310,595	330,326	-6.0
Appalachian Total	3,982	4,071	3,716	121,370	122,726	-1.1	196,748	198,407	-0.8
Interior Total	2,770	2,821	2,786	83,880	90,464	-7.3	138,361	149,768	-7.6
Western Total	8,640	8,968	9,209	254,039	258,687	-1.8	424,379	444,844	-4.6
East of Mississippi River	6,036	6,142	5,729	186,226	189,872	-1.9	300,253	306,845	-2.1
West of Mississippi River	9,357	9,719	9,982	273,063	282,005	-3.2	459,234	486,175	-5.5
Bituminous and Lignite	15,358	15,827	15,678	458,345	470,710	-2.6	757,832	791,196	-4.2
Anthracite	35	33	33	944	1,167	-19.1	1,656	1,824	-9.2
U.S. Total	15,393	15,861	15,711	459,289	471,877	-2.7	759,488	793,019	-4.2
Railroad Cars Loaded	90,645	93,324	94,593	2,651,283	2,661,627	-0.4	4,406,913	4,534,637	-2.8

Source: Energy Information Administration



Weekly Electric Output

Volume 86 No. 32

OUTPUT FOR WEEK ENDED - Aug 11, 2018

Aug 15, 2018

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Aug 11, 2018 was 92,989 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 184 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended August 11		52 Weeks Ended August 11	
	GWh Output	% Increase Over Corresponding Week of 2017	GWh Output	% Increase Over Corresponding Period of 2017
New England	3,040	25.4	121,707	0.0
Mid-Atlantic	10,729	24.3	434,724	1.4
Central Industrial	14,798	18.0	678,617	2.4
West Central	7,446	16.3	335,580	2.9
Southeast	22,855	5.7	1,038,370	2.1
South Central	17,310	2.8	754,719	4.8
Rocky Mountain	6,801	9.6	278,636	0.2
Pacific Northwest	3,004	2.8	157,607	-0.9
Pacific Southwest	7,006	7.9	280,242	-0.8
Total United States	92,989	10.6	4,080,202	2.1

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2018	Week Ended	2017	% Inc. (18/17)	52 Weeks Ended	2018	% Inc. (18/17)
Jul 21	92,868	Jul 22	94,541	-1.8	Jul 21	4,067,943	1.2
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 11	2,557,474	Aug 12	2,467,215	3.7	YEAR TO DATE, FIRST 32 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2018	Week Ended	2017	Week Ended	2016
Jul 21	179	Jul 22	186	Jul 23	178
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

* 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		
	11-Aug 2018 GWh Output	12-Aug 2017 GWh Output	% Increase Over Corresponding Week of 2017	11-Aug 2018 GWh Output	12-Aug 2017 GWh Output	% Increase Over Corresponding Week of 2017	11-Aug 2018 GWh Output	12-Aug 2017 GWh Output	% Increase Over Corresponding Week of 2017
New England	3,040	2,423	25.5%	75,640	74,518	1.5%	121,707	121,741	0.0%
Mid-Atlantic	10,729	8,630	24.3%	272,768	263,019	3.7%	434,724	428,897	1.4%
Central Industrial	14,798	12,538	18.0%	429,382	409,039	5.0%	678,617	662,538	2.4%
West Central	7,446	6,401	16.3%	210,661	201,026	4.8%	335,580	326,086	2.9%
Southeast	22,855	21,617	5.7%	652,665	627,342	4.0%	1,038,370	1,017,454	2.1%
South Central	17,310	16,839	2.8%	477,332	448,257	6.5%	754,719	720,459	4.8%
Rocky Mountain	6,801	6,207	9.6%	170,784	170,460	0.2%	278,636	278,013	0.2%
Pacific Northwest	3,004	2,922	2.8%	97,912	99,846	-1.9%	157,607	159,008	-0.9%
Pacific Southwest	<u>7,006</u>	<u>6,492</u>	7.9%	<u>170,329</u>	<u>173,709</u>	-1.9%	<u>280,242</u>	<u>282,510</u>	-0.8%
Total United States ^{1/}	<u>92,989</u>	<u>84,069</u>	10.6%	<u>2,557,473</u>	<u>2,467,216</u>	3.7%	<u>4,080,202</u>	<u>3,996,706</u>	2.1%
Coal Regions Only ^{2/}	79,939	72,232	10.7%	2,213,592	2,119,143	4.5%	3,520,646	3,433,447	2.5%

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 13, 2018

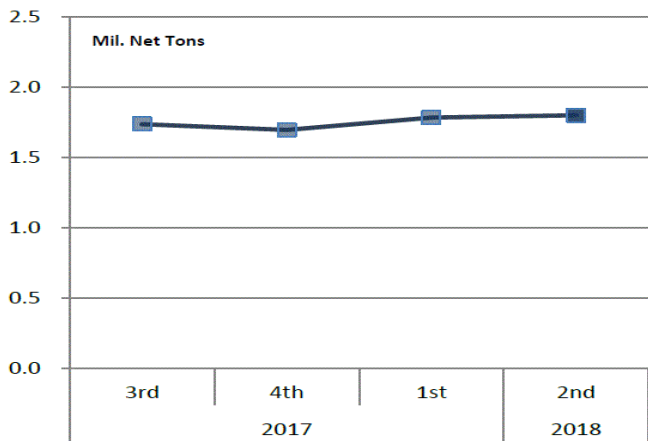
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 August 11</u>	<u>August 8</u>	
<u>Week Ending</u>				North East	223	217
				Great Lakes	681	698
August 11, 2018	1,855	1.5	79.1	Midwest	192	180
August 11, 2017	1,767	5.0	75.8	Southern	676	653
August 4, 2018	1,828	-0.4	78.0	Western	83	80
				Total	1,855	1,828
<u>Year-to-Date +</u>						
August 11, 2018	57,271	3.6	76.9			
August 11, 2017	55,289	-	74.6			

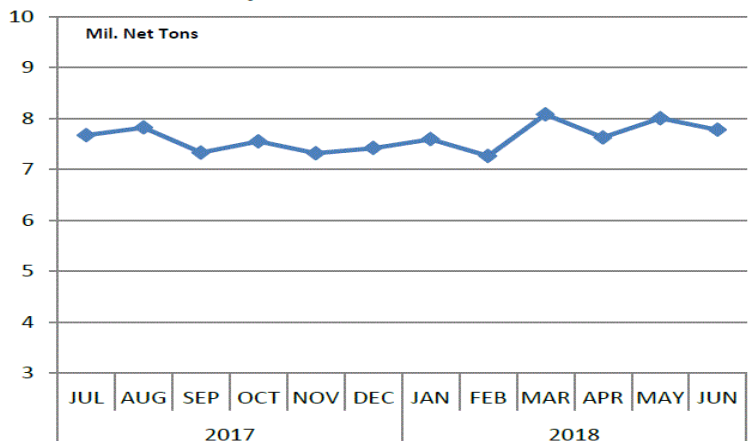
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 32, 2018 – Ended August 11, 2018

	This Week		Year-To-Date		
	Cars	vs 2017	Cumulative	Avg/wk ²	vs 2017
Total Carloads	271,718	1.8%	8,347,332	260,854	1.6%
Chemicals	32,606	3.2%	1,035,044	32,345	3.8%
Coal	90,645	-4.2%	2,659,907	83,122	-0.5%
Farm Products excl. Grain, and Food	16,211	4.6%	518,036	16,189	2.0%
Forest Products	10,593	8.4%	328,819	10,276	2.3%
Grain	21,770	14.1%	742,840	23,214	2.8%
Metallic Ores and Metals	23,817	6.1%	738,975	23,093	3.1%
Motor Vehicles and Parts	16,489	2.0%	527,276	16,477	-0.9%
Nonmetallic Minerals	38,287	-2.8%	1,153,976	36,062	2.9%
Petroleum and Petroleum Products	11,897	37.0%	338,378	10,574	10.2%
Other	9,403	-2.4%	304,081	9,503	-2.7%
Total Intermodal Units	285,169	3.8%	8,837,956	276,186	6.0%
Total Traffic	556,887	2.8%	17,185,288	537,040	3.9%

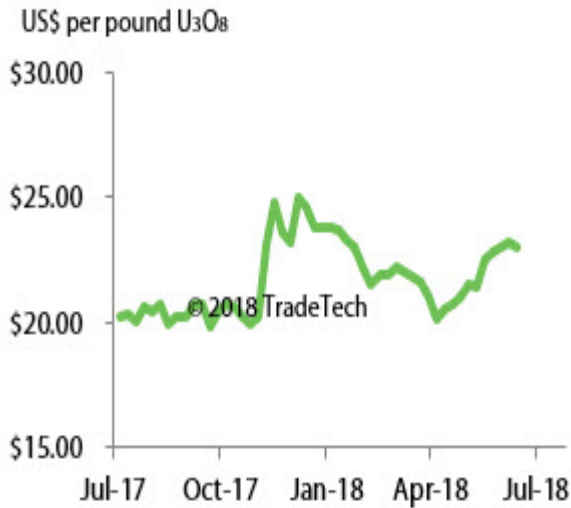
¹ Excludes U.S. operations of Canadian Pacific, CN and GMXT.

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

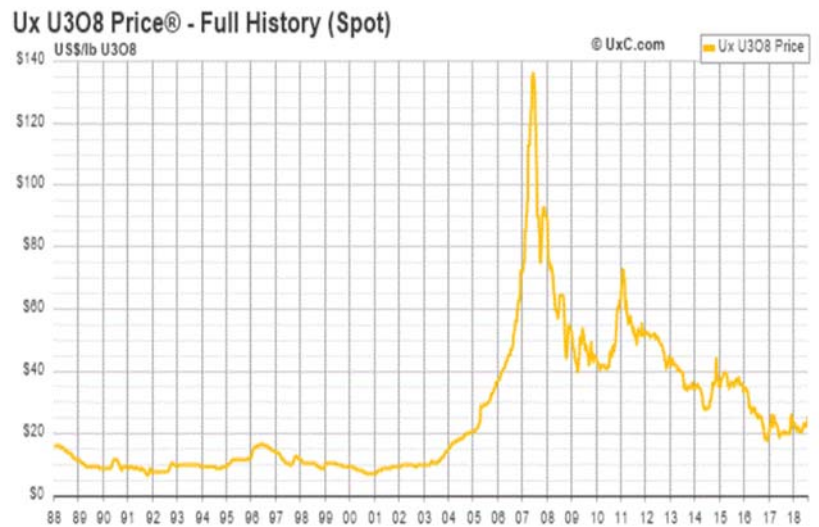
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

Trade Tech's and UX's Uranium Price Indicators

Weekly U3O8 Spot Price Indicator

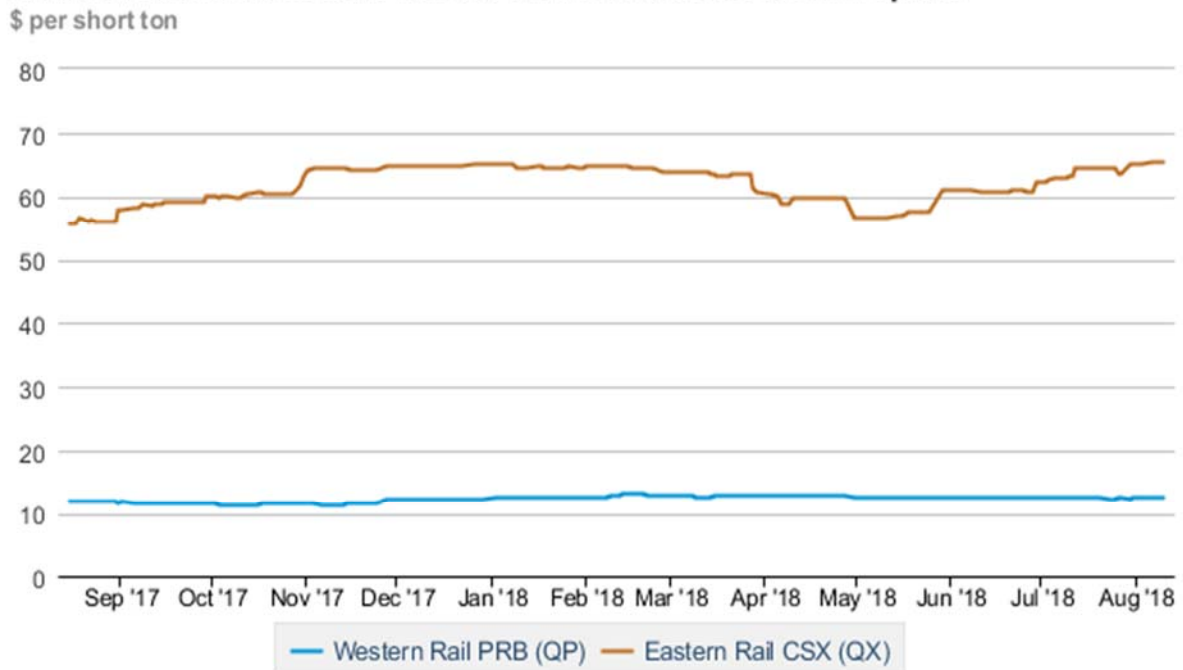


Ux U3O8 Price - Full History



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



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
	07/13/18	07/20/18	07/27/18	08/03/18	08/10/18	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$69.15	\$70.55	\$70.55	\$72.70	\$72.70	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$51.50	\$53.10	\$53.10	\$54.75	\$54.75	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$32.95	\$32.95	\$32.95	\$32.95	\$32.95	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$13.05	\$13.00	\$13.00	\$12.95	\$12.95	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$41.45	\$41.30	\$41.30	\$41.15	\$41.15	\$0.00

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

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



eia Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Aug 02)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	0	-2	-2	64	19	33
Middle Atlantic	1	-2	0	64	5	14
E N Central	6	1	4	34	-23	-14
W N Central	6	3	5	40	-31	-17
South Atlantic	0	0	0	94	-3	7
E S Central	0	0	0	79	-16	-4
W S Central	0	0	0	123	-3	-3
Mountain	1	-2	1	96	18	10
Pacific	0	-2	0	84	37	7
United States	2	0	1	76	1	3

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

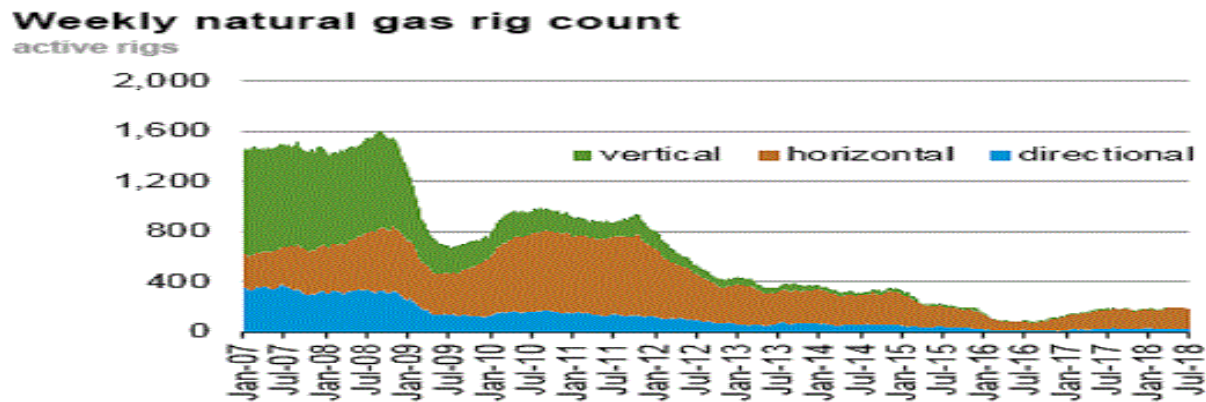
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2018-08-03	2018-07-27	change
East	575	552	23
Midwest	579	552	27
Mountain	148	146	2
Pacific	245	250	-5
South Central	807	808	-1
Total	2,354	2,308	46

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*