

National Mining Association

Weekly Statistical Summary

August 31, 2018 Edition
(Data for Week Ending August 25, 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. 34
Dated 08/31/18

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	08/25/18	08/26/17	% Chng	08/25/18	08/25/17	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,488	15,997	-3.2%	490,602	504,092	-2.7%
52 Weeks Ended	758,549	794,831	-4.6%			
AAR Coal Rail Cars Loaded:	91,300	96,317	-5.2%	2,835,831	2,855,595	-0.7%
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		
	08/25/18	08/26/17	% Chng	08/25/18	08/26/17	% Chng
EI Electric Total Output (Mil. Kwh)	85,509	85,068	0.5%	2,734,044	2,640,073	3.6%
EI Coal Region Output (Mil. Kwh)	74,145	73,741	0.5%	2,366,593	2,269,452	4.3%
AISI Raw Steel Output (000 Tons)	1,858	1,767	5.1%	60,993	58,823	3.7%

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)	
	08/24/18	08/17/18	% 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		
	8/25/2018 (week 34)	8/18/2018 (week 33)	8/26/2017 (week 34)	8/25/2018	8/25/2017	% Change	8/25/2018	8/26/2017	% Change
Alabama	269	287	228	9,625	8,512	13.1	13,790	12,182	13.2
Alaska	21	21	19	620	603	2.7	973	901	8.0
Arizona	131	126	112	3,930	3,890	1.0	6,247	5,963	4.8
Arkansas	1	1	-	23	27	-13.4	23	43	-46.5
Colorado	281	287	257	9,332	10,079	-7.4	14,266	15,515	-8.1
Illinois	958	1,005	926	32,406	32,485	-0.2	48,156	48,306	-0.3
Indiana	633	655	631	20,995	20,799	0.9	31,585	31,517	0.2
Kentucky Total	762	791	798	26,098	28,633	-8.9	39,718	44,633	-11.0
Eastern (KY)	370	379	343	12,050	12,488	-3.5	18,248	18,694	-2.4
Western (KY)	392	412	455	14,048	16,145	-13.0	21,470	25,939	-17.2
Louisiana	24	21	13	759	1,525	-50.2	1,311	2,626	-50.1
Maryland	29	32	35	993	1,141	-12.9	1,507	1,834	-17.8
Mississippi	39	40	37	1,541	1,846	-16.5	2,295	2,953	-22.3
Missouri	5	5	5	159	160	-0.5	243	250	-2.8
Montana	838	861	852	24,051	21,434	12.2	37,738	35,207	7.2
New Mexico	214	221	259	6,978	9,199	-24.1	10,943	14,252	-23.2
North Dakota	599	615	609	18,823	18,383	2.4	29,149	29,124	0.1
Ohio	186	191	193	5,788	6,138	-5.7	9,121	9,984	-8.6
Oklahoma	11	11	11	330	365	-9.4	526	600	-12.3
Pennsylvania Total	946	975	953	30,826	32,376	-4.8	47,410	50,588	-6.3
Anthracite (PA)	33	35	34	1,011	1,235	-18.1	1,655	1,834	-9.8
Bituminous (PA)	913	941	919	29,815	31,141	-4.3	45,755	48,754	-6.2
Tennessee	5	6	7	191	326	-41.4	295	539	-45.3
Texas	692	697	757	19,222	22,825	-15.8	32,636	37,670	-13.4
Utah	310	303	267	9,146	8,929	2.4	14,509	14,115	2.8
Virginia	251	262	267	8,520	9,204	-7.4	12,961	14,210	-8.8
West Virginia Total	1,919	1,968	1,757	61,453	60,160	2.1	93,864	90,964	3.2
Northern (WV)	890	887	848	28,557	30,383	-6.0	44,859	47,393	-5.3
Southern (WV)	1,029	1,082	910	32,895	29,777	10.5	49,006	43,571	12.5
Wyoming	6,363	6,443	7,002	198,793	205,054	-3.1	309,283	330,854	-6.5
Appalachian Total	3,976	4,100	3,784	129,446	130,345	-0.7	197,196	198,996	-0.9
Interior Total	2,755	2,848	2,836	89,483	96,176	-7.0	138,245	149,904	-7.8
Western Total	8,757	8,877	9,377	271,673	277,571	-2.1	423,108	445,931	-5.1
East of Mississippi River	5,997	6,212	5,833	198,435	201,619	-1.6	300,702	307,711	-2.3
West of Mississippi River	9,491	9,613	10,164	292,167	302,473	-3.4	457,847	487,120	-6.0
Bituminous and Lignite	15,455	15,791	15,963	489,591	502,857	-2.6	756,894	792,997	-4.6
Anthracite	33	35	34	1,011	1,235	-18.1	1,655	1,834	-9.8
U.S. Total	15,488	15,825	15,997	490,602	504,092	-2.7	758,549	794,831	-4.6
Railroad Cars Loaded	91,300	93,248	96,317	2,835,831	2,855,595	-0.7	4,397,271	4,550,323	-3.4

Source: Energy Information Administration



Weekly Electric Output

Volume 86 No. 34

OUTPUT FOR WEEK ENDED - Aug 25, 2018

Aug 29, 2018

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, **Aug 25, 2018** was **85,509** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **163** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended August 25		52 Weeks Ended August 25	
	GWh Output	% Increase Over Corresponding Week of 2017	GWh Output	% Increase Over Corresponding Period of 2017
New England	2,381	-6.3	121,743	0.5
Mid-Atlantic	8,805	-4.2	434,963	2.0
Central Industrial	13,254	0.5	679,217	2.8
West Central	6,641	1.5	336,592	3.5
Southeast	21,300	-4.7	1,036,835	2.0
South Central	17,568	9.6	756,125	4.5
Rocky Mountain	6,577	2.0	279,606	0.5
Pacific Northwest	2,647	1.0	157,720	-0.6
Pacific Southwest	6,336	2.8	281,113	-0.3
Total United States	85,509	0.5	4,083,914	2.3

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2018	Week Ended	2017	% Inc. (18/17)	52 Weeks Ended	2018	% Inc. (18/17)
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 25	85,509	Aug 26	85,068	0.5	Aug 25	4,083,914	2.3
Aug 25	2,734,044	Aug 26	2,640,073	3.6	YEAR TO DATE, FIRST 34 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2018	Week Ended	2017	Week Ended	2016
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
Aug 25	163	Aug 26	173	Aug 27	178

* Excludes Alaska and Hawaii.

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

Copyright © 2018 Edison Electric Institute. All rights reserved.

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

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	25-Aug 2018 GWh Output	26-Aug 2017 GWh Output	% Increase Over Corresponding Week of 2017	25-Aug 2018 GWh Output	26-Aug 2017 GWh Output	% Increase Over Corresponding Week of 2017	25-Aug 2018 GWh Output	26-Aug 2017 GWh Output	% Increase Over Corresponding Week of 2017
New England	2,381	2,542	-6.3%	80,806	79,647	1.5%	121,743	121,090	0.5%
Mid-Atlantic	8,805	9,192	-4.2%	291,735	281,747	3.5%	434,963	426,632	2.0%
Central Industrial	13,254	13,184	0.5%	457,004	436,061	4.8%	679,217	660,584	2.8%
West Central	6,641	6,541	1.5%	224,930	214,283	5.0%	336,592	325,265	3.5%
Southeast	21,300	22,350	-4.7%	696,322	672,534	3.5%	1,036,835	1,016,893	2.0%
South Central	17,568	16,022	9.6%	512,345	481,863	6.3%	756,125	723,403	4.5%
Rocky Mountain	6,577	6,452	1.9%	184,257	182,964	0.7%	279,606	278,139	0.5%
Pacific Northwest	2,647	2,620	1.0%	103,252	105,073	-1.7%	157,720	158,746	-0.6%
Pacific Southwest	6,336	6,165	2.8%	183,392	185,902	-1.4%	281,113	281,847	-0.3%
Total United States ^{1/}	85,509	85,068	0.5%	2,734,043	2,640,074	3.6%	4,083,914	3,992,599	2.3%
Coal Regions Only ^{2/}	74,145	73,741	0.5%	2,366,593	2,269,452	4.3%	3,523,338	3,430,916	2.7%

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

August 27, 2018

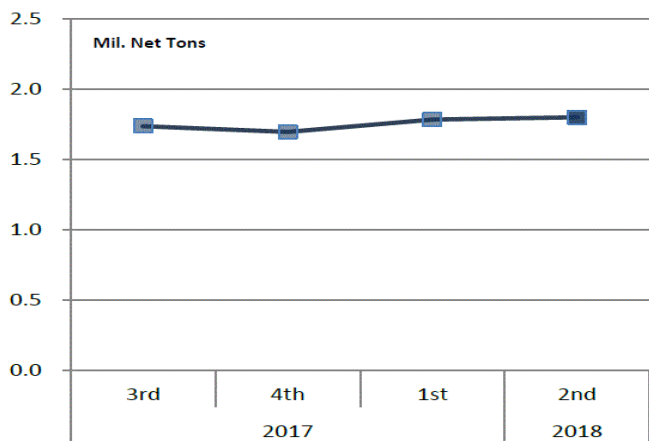
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 25</u>	<u>Week Ending Aug 18</u>	
<u>Week Ending</u>				North East	207	208
				Great Lakes	691	692
August 25, 2018	1,858	-0.3	79.3	Midwest	192	190
August 25, 2017	1,767	5.1	75.8	Southern	683	693
August 18, 2018	1,864	0.5	79.5	Western	85	81
				Total	1,858	1,864
<u>Year-to-Date +</u>						
August 25, 2018	60,993	3.7	77.0			
August 25, 2017	58,823	-	74.6			

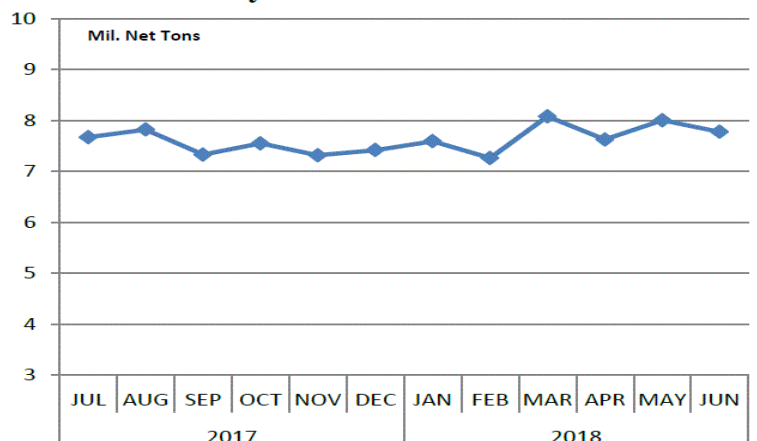
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 34, 2018 – Ended August 25, 2018

	This Week		Year-To-Date		
	Cars	vs 2017	Cumulative	Avg/wk ²	vs 2017
Total Carloads	275,334	1.8%	8,901,367	261,805	1.7%
Chemicals	32,564	3.3%	1,100,130	32,357	3.8%
Coal	91,300	-5.2%	2,844,455	83,660	-0.8%
Farm Products excl. Grain, and Food	15,958	7.3%	550,248	16,184	2.2%
Forest Products	10,837	7.6%	350,301	10,303	2.6%
Grain	22,064	11.0%	788,308	23,186	3.7%
Metallic Ores and Metals	25,451	6.7%	789,046	23,207	3.1%
Motor Vehicles and Parts	16,810	4.0%	561,251	16,507	-0.6%
Nonmetallic Minerals	39,137	1.5%	1,232,429	36,248	2.8%
Petroleum and Petroleum Products	11,332	21.2%	360,608	10,606	10.7%
Other	9,881	-0.3%	324,591	9,547	-2.1%
Total Intermodal Units	290,372	6.0%	9,417,104	276,974	6.0%
Total Traffic	565,706	3.9%	18,318,471	538,779	3.9%

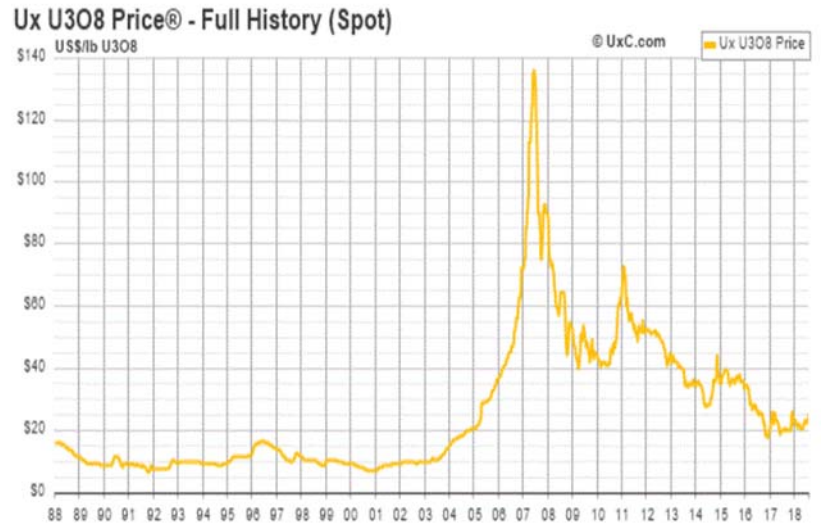
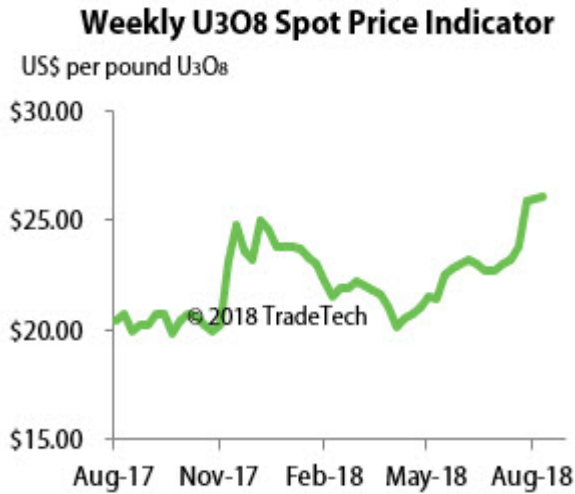
¹ Excludes U.S. operations of Canadian Pacific, CN and GMXT.

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>

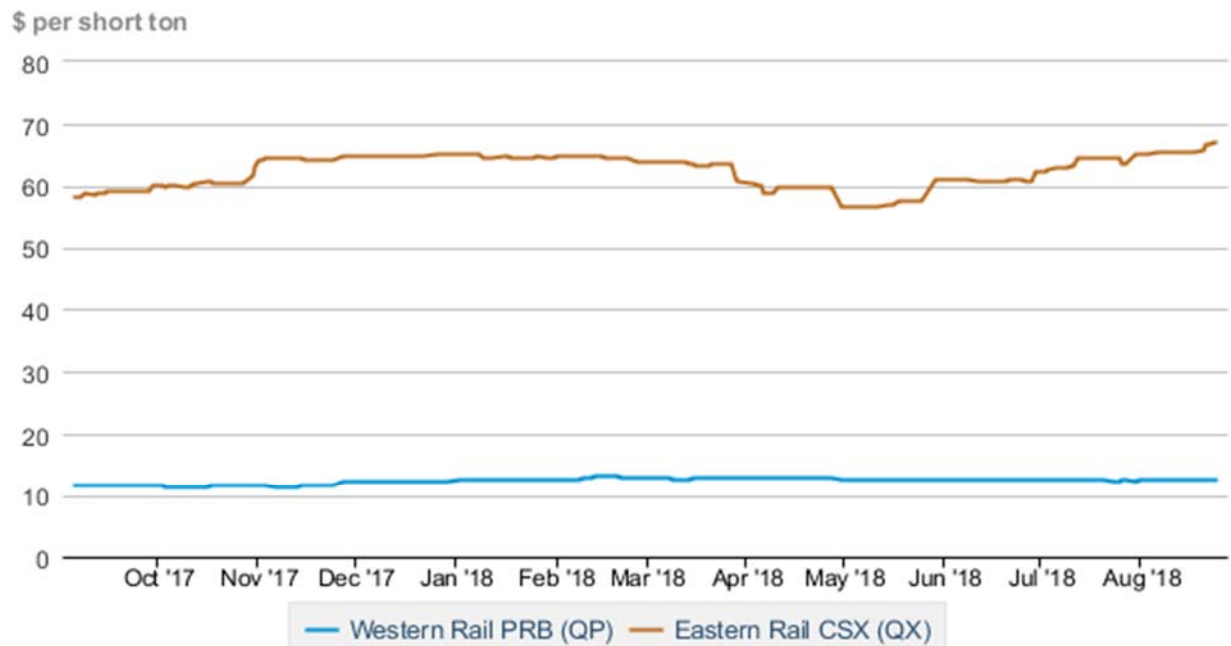
Trade Tech's and UX's Uranium Price Indicators

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



 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
	07/27/18	08/03/18	08/10/18	08/17/18	08/24/18	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$70.55	\$72.70	\$72.70	\$73.20	\$73.20	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$53.10	\$54.75	\$54.75	\$56.45	\$56.45	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$32.95	\$32.95	\$32.95	\$32.70	\$32.70	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$13.00	\$12.95	\$12.95	\$12.15	\$12.15	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$41.30	\$41.15	\$41.15	\$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	
		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
	Subbituminous	147	213	136	193	7.5%	147	240
South	Bituminous	21,552	62	31,009	71	-30.5%	23,398	68
	Subbituminous	6,246	55	6,216	58	0.5%	6,891	63
Midwest	Bituminous	10,802	73	15,242	79	-29.1%	11,265	77
	Subbituminous	31,471	79	40,966	72	-23.2%	33,132	84
West	Bituminous	5,317	99	5,779	83	-8.0%	5,209	100
	Subbituminous	24,946	69	30,246	73	-17.5%	26,459	75
U.S. Total	Bituminous	41,080	70	56,549	74	-27.4%	43,476	75
	Subbituminous	62,809	72	77,564	71	-19.0%	66,629	78

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

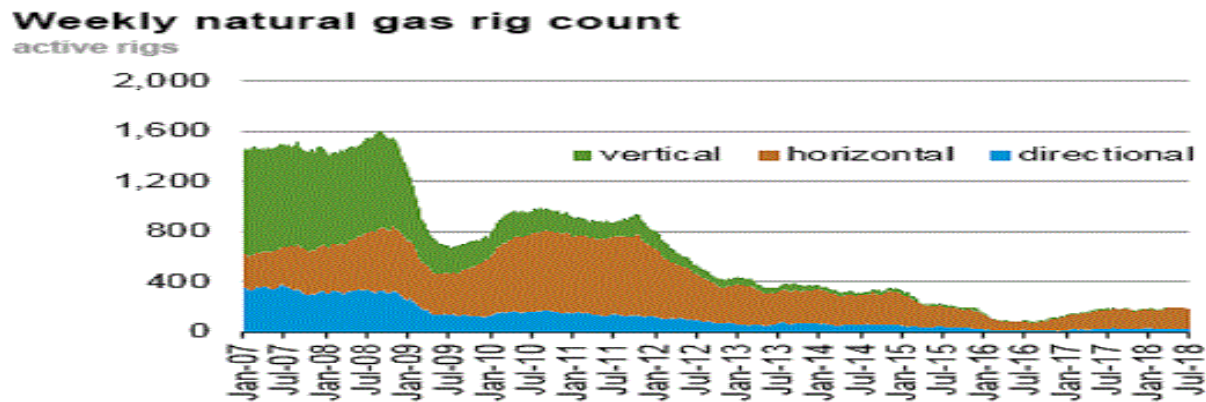
Working gas in underground storage

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*