

National Mining Association

Weekly Statistical Summary

August 10, 2018 Edition
(Data for Week Ending August 4, 2018)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 56, No. 31
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PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	08/04/18	08/05/17	% Chng	08/04/18	08/04/17	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,861	15,366	3.2%	443,896	456,211	-2.7%
52 Weeks Ended	759,806	792,539	-4.1%			
AAR Coal Rail Cars Loaded:	93,324	92,517	0.9%	2,560,638	2,567,305	-0.3%
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		
	08/04/18	08/05/17	% Chng	08/04/18	08/05/17	% Chng
EI Electric Total Output (Mil. Kwh)	88,440	86,273	2.5%	2,464,486	2,383,146	3.4%
EI Coal Region Output (Mil. Kwh)	75,760	73,755	2.7%	2,133,653	2,046,911	4.2%
AISI Raw Steel Output (000 Tons)	1,828	1,752	4.3%	55,416	53,522	3.5%

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)	
	08/03/18	07/27/18	% Chng	Wed.	08/01/18
Central App, 12,500 Btu, 1.2 SO ₂	\$72.70	\$70.55	3.0%	Henry Hub	2.80
Northern App, 13,000 Btu, < 3.0 SO ₂	54.75	53.10	3.1%	New York	2.92
Illinois Basin, 11,800, 5.0 SO ₂	32.95	32.95	0.0%	Chicago	2.73
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.95	13.00	-0.4%	Cal.Comp.Avg.	3.63
Uinta Basin, 11,700 Btu, 0.8 SO ₂	41.15	41.30	-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



EIA Estimated Weekly U.S. Coal Production Overview									
	Week Ended			Year to Date			52 Weeks Ended		
Coal-Producing Region & State (thousand short tons)	8/4/2018 (week 31)	7/28/2018 (week 30)	8/5/2017 (week 31)	8/4/2018	8/4/2017	% Change	8/4/2018	8/5/2017	% Change
Alabama	276	271	219	8,785	7,828	12.2	13,635	12,030	13.3
Alaska	22	20	19	557	545	2.1	968	886	9.3
Arizona	134	119	108	3,553	3,555	s	6,206	5,971	3.9
Arkansas	1	1	.	19	27	-28.7	19	46	-58.7
Colorado	288	271	247	8,495	9,311	-8.8	14,199	15,455	-8.1
Illinois	981	949	890	29,467	29,712	-0.8	47,995	47,904	0.2
Indiana	649	617	606	19,066	18,911	0.8	31,548	31,331	0.7
Kentucky Total	778	746	764	23,784	26,194	-9.2	39,753	44,598	-10.9
Eastern (KY)	376	358	327	10,941	11,412	-4.1	18,123	18,501	-2.0
Western (KY)	401	389	437	12,842	14,782	-13.1	21,630	26,097	-17.1
Louisiana	25	20	13	697	1,485	-53.1	1,288	2,736	-52.9
Maryland	30	30	34	901	1,036	-13.0	1,520	1,830	-16.9
Mississippi	40	38	35	1,427	1,735	-17.8	2,291	3,022	-24.2
Missouri	5	5	5	144	145	-0.5	243	250	-2.8
Montana	858	812	819	21,488	18,883	13.8	37,730	34,829	8.3
New Mexico	219	209	249	6,335	8,424	-24.8	11,076	14,153	-21.7
North Dakota	614	581	585	16,998	16,561	2.6	29,148	28,937	0.7
Ohio	190	180	185	5,225	5,560	-6.0	9,137	10,104	-9.6
Oklahoma	11	12	10	298	333	-10.3	526	606	-13.2
Pennsylvania Total	968	920	915	27,961	29,524	-5.3	47,402	50,408	-6.0
Anthracite (PA)	33	33	32	909	1,134	-19.8	1,654	1,819	-9.1
Bituminous (PA)	935	888	883	27,051	28,390	-4.7	45,748	48,589	-5.8
Tennessee	6	6	7	174	304	-42.9	300	554	-45.8
Texas	709	658	728	17,151	20,558	-16.6	32,836	37,786	-13.1
Utah	318	286	256	8,244	8,130	1.4	14,407	14,070	2.4
Virginia	257	247	256	7,752	8,406	-7.8	12,992	14,202	-8.5
West Virginia Total	1,968	1,857	1,690	55,649	54,951	1.3	93,373	90,584	3.1
Northern (WV)	912	837	814	25,934	27,847	-6.9	44,776	47,606	-5.9
Southern (WV)	1,057	1,021	876	29,714	27,104	9.6	48,597	42,978	13.1
Wyoming	6,516	6,080	6,726	179,728	184,095	-2.4	311,213	330,249	-5.8
Appalachian Total	4,071	3,870	3,634	117,388	119,020	-1.4	196,482	198,214	-0.9
Interior Total	2,821	2,687	2,724	81,110	87,686	-7.5	138,376	149,776	-7.6
Western Total	8,968	8,378	9,007	245,399	249,504	-1.6	424,948	444,550	-4.4
East of Mississippi River	6,142	5,861	5,603	180,190	184,160	-2.2	299,946	306,567	-2.2
West of Mississippi River	9,719	9,074	9,763	263,707	272,052	-3.1	459,859	485,973	-5.4
Bituminous and Lignite	15,827	14,902	15,333	442,987	455,077	-2.7	758,152	790,720	-4.1
Anthracite	33	33	32	909	1,134	-19.8	1,654	1,819	-9.1
U.S. Total	15,861	14,935	15,366	443,896	456,211	-2.7	759,806	792,539	-4.1
Railroad Cars Loaded	93,324	87,761	92,517	2,560,638	2,567,305	-0.3	4,410,861	4,529,354	-2.6

Source: Energy Information Administration



Weekly Electric Output

Volume 86 No. 31

OUTPUT FOR WEEK ENDED - Aug 04, 2018

Aug 08, 2018

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Aug 04, 2018 was 88,440 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 172 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION (48 CONTIGUOUS STATES)

	Week Ended August 04		52 Weeks Ended August 04	
	GWh Output	% Increase Over Corresponding Week of 2017	GWh Output	% Increase Over Corresponding Period of 2017
New England	2,856	8.0	121,090	-1.0
Mid-Atlantic	9,741	3.5	432,624	0.3
Central Industrial	13,707	-0.1	676,357	1.6
West Central	6,888	1.2	334,536	2.2
Southeast	21,387	2.1	1,037,132	1.8
South Central	17,398	5.1	754,247	4.5
Rocky Mountain	6,639	5.3	278,042	-0.1
Pacific Northwest	2,840	-3.7	157,526	-0.8
Pacific Southwest	6,984	0.9	279,728	-0.9
Total United States	88,440	2.5	4,071,282	1.6

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2018	Week Ended	2017	% Inc. (18/17)	52 Weeks Ended	2018	% Inc. (18/17)
Jul 14	91,064	Jul 15	90,927	0.2	Jul 14	4,069,616	1.3
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 04	2,464,486	Aug 05	2,383,146	3.4	YEAR TO DATE, FIRST 31 WEEKS		

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

Week Ended	2018	Week Ended	2017	Week Ended	2016
Jul 14	191	Jul 15	188	Jul 16	169
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

* 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		
	4-Aug 2018 GWh Output	5-Aug 2017 GWh Output	% Increase Over Corresponding Week of 2017	4-Aug 2018 GWh Output	5-Aug 2017 GWh Output	% Increase Over Corresponding Week of 2017	4-Aug 2018 GWh Output	5-Aug 2017 GWh Output	% Increase Over Corresponding Week of 2017
New England	2,856	2,645	8.0%	72,600	72,095	0.7%	121,090	122,329	-1.0%
Mid-Atlantic	9,741	9,416	3.5%	262,039	254,389	3.0%	432,624	431,431	0.3%
Central Industrial	13,707	13,726	-0.1%	414,584	396,501	4.6%	676,357	665,616	1.6%
West Central	6,888	6,807	1.2%	203,215	194,625	4.4%	334,536	327,208	2.2%
Southeast	21,387	20,948	2.1%	629,810	605,725	4.0%	1,037,132	1,018,773	1.8%
South Central	17,398	16,553	5.1%	460,022	431,418	6.6%	754,247	721,708	4.5%
Rocky Mountain	6,639	6,305	5.3%	163,983	164,253	-0.2%	278,042	278,202	-0.1%
Pacific Northwest	2,840	2,949	-3.7%	94,908	96,924	-2.1%	157,526	158,829	-0.8%
Pacific Southwest	6,984	6,924	0.9%	163,323	167,217	-2.3%	279,728	282,373	-0.9%
Total United States ^{1/}	88,440	86,273	2.5%	2,464,484	2,383,147	3.4%	4,071,282	4,006,469	1.6%
Coal Regions Only ^{2/}	75,760	73,755	2.7%	2,133,653	2,046,911	4.2%	3,512,938	3,442,938	2.0%

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 6, 2018

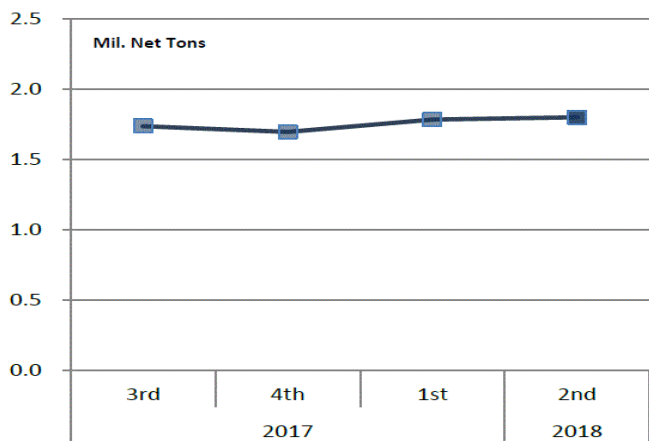
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 4</u>	<u>Week Ending July 28</u>	
<u>Week Ending</u>				North East	217	205
				Great Lakes	698	685
August 4, 2018	1,828	-0.4	78.0	Midwest	180	190
August 4, 2017	1,752	4.3	75.2	Southern	653	684
July 28, 2018	1,836	1.2	78.3	Western	80	72
				Total	1,828	1,836
<u>Year-to-Date +</u>						
August 4, 2018	55,416	3.5	76.8			
August 4, 2017	53,522	-	74.4			

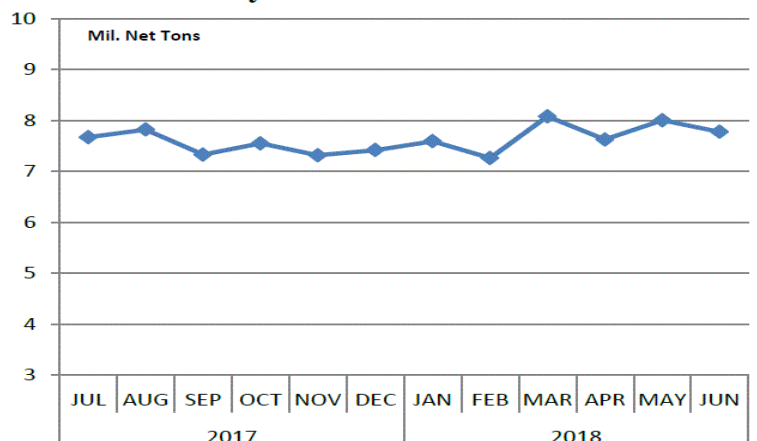
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 31, 2018 – Ended August 4, 2018

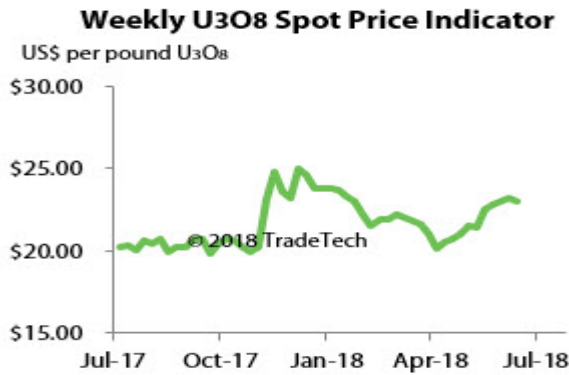
	This Week		Year-To-Date		
	Cars	vs 2017	Cumulative	Avg/wk ²	vs 2017
Total Carloads	279,907	3.0%	8,075,614	260,504	1.6%
Chemicals	32,921	1.0%	1,002,438	32,337	3.8%
Coal	93,324	0.7%	2,569,262	82,879	-0.4%
Farm Products excl. Grain, and Food	16,678	5.1%	501,825	16,188	1.9%
Forest Products	10,552	4.9%	318,226	10,265	2.1%
Grain	25,060	20.2%	721,070	23,260	2.5%
Metallic Ores and Metals	25,189	2.5%	715,158	23,070	3.0%
Motor Vehicles and Parts	16,709	7.1%	510,787	16,477	-1.0%
Nonmetallic Minerals	38,410	-1.3%	1,115,689	35,990	3.1%
Petroleum and Petroleum Products	10,837	15.5%	326,481	10,532	9.5%
Other	10,227	-9.2%	294,678	9,506	-2.7%
Total Intermodal Units	291,088	5.4%	8,552,787	275,896	6.1%
Total Traffic	570,995	4.2%	16,628,401	536,400	3.9%

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

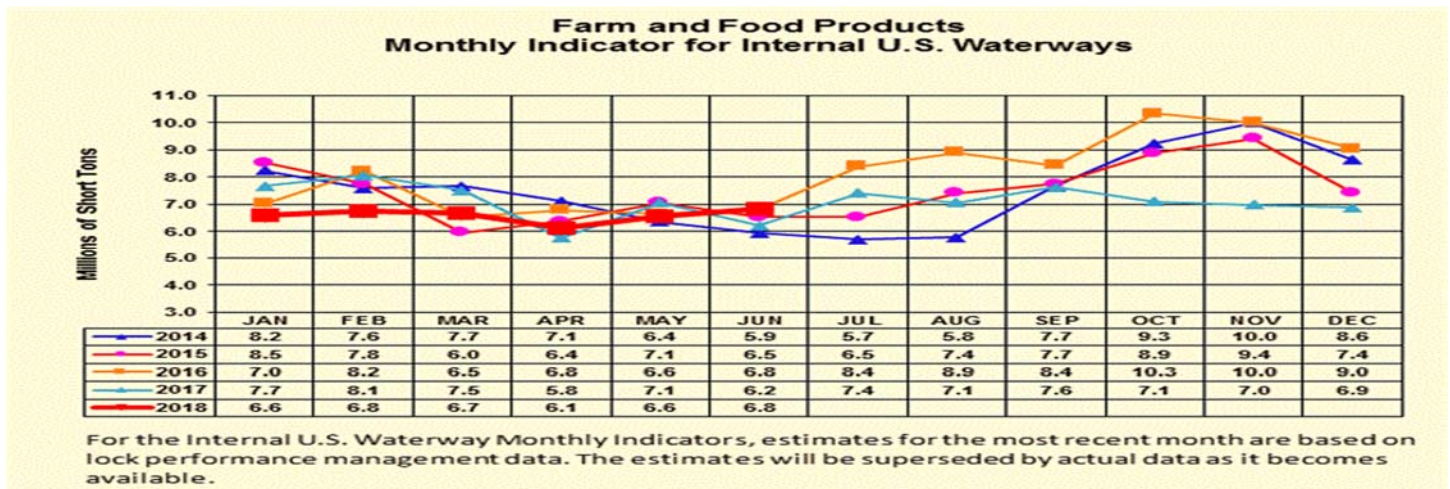
² Average per week figures may not sum to totals as a result of independent rounding.

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

Trade Tech's Uranium Price Indicators



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



Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center

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
	07/06/18	07/13/18	07/20/18	07/27/18	08/03/18	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$69.15	\$69.15	\$70.55	\$70.55	\$72.70	\$2.15
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$51.50	\$51.50	\$53.10	\$53.10	\$54.75	\$1.65
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	\$13.05	\$13.00	\$13.00	\$12.95	\$-0.05
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$41.45	\$41.45	\$41.30	\$41.30	\$41.15	\$-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 Jul 26)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	1	-1	-7	57	12	16
Middle Atlantic	1	-2	-1	66	7	-2
E N Central	1	-2	-1	50	-8	-17
W N Central	1	-2	1	60	-12	-34
South Atlantic	0	0	0	92	-6	-22
E S Central	0	0	0	88	-7	-28
W S Central	0	0	0	150	24	8
Mountain	0	-3	0	106	26	21
Pacific	0	-3	0	83	37	24
United States	0	-2	0	83	8	-4

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: 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

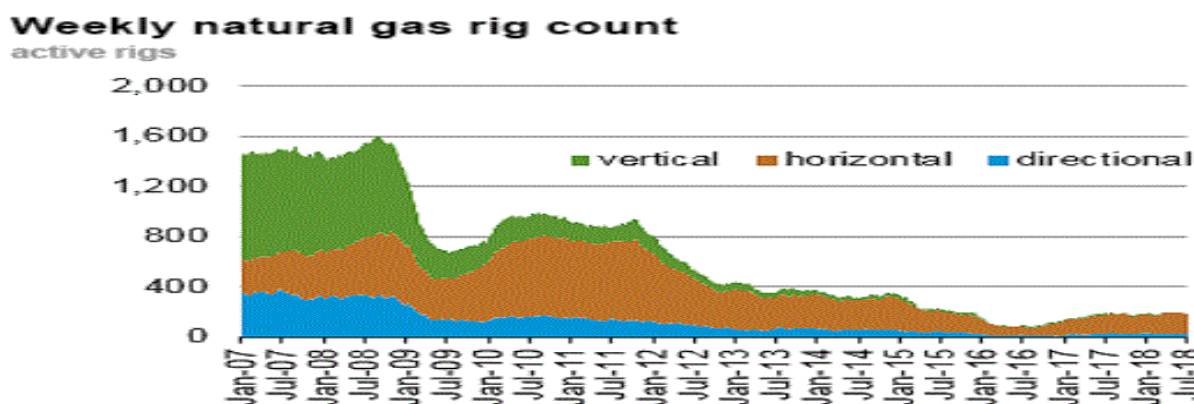
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2018-07-27	2018-07-20	change
East	552	527	25
Midwest	552	524	28
Mountain	146	145	1
Pacific	250	257	-7
South Central	808	820	-12
Total	2,308	2,273	35

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		
	July 2018	August 2018	change	July 2018	August 2018	change
Anadarko	416	419	3	2,852	2,875	23
Appalachia	145	145	-	15,770	15,914	144
Bakken	1,469	1,476	7	1,752	1,778	26
Eagle Ford	1,482	1,502	20	5,534	5,663	129
Haynesville	25	25	-	8,512	8,585	73
Niobrara	1,223	1,228	5	4,543	4,578	35
Permian	623	623	-	1,206	1,206	-
Total	678	686	8	3,772	3,747	(25)

Source: Energy Information Administration, *Drilling Productivity Report*