

National Mining Association

Weekly Statistical Summary

August 3, 2018 Edition
(Data for Week Ending July 28, 2018)

Prepared by
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NMA Weekly Statistical Summary

Vol. 56, No. 30
Dated 08/03/18

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	07/28/18	07/29/17	% Chng	07/28/18	07/28/17	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,935	15,351	-2.7%	428,036	440,847	-2.9%
52 Weeks Ended	759,311	792,578	-4.2%			
AAR Coal Rail Cars Loaded:	87,761	92,430	-5.1%	2,467,314	2,474,799	-0.3%
DOC Coal Trade (000 Tons)						
Exports:						
	May 18/17		% Chng	Jan - May 18/17		% Chng
Metallurgical	5,575	4,563	22.2%	26,340	21,345	23.4%
Steam *	4,053	2,660	52.4%	21,516	15,303	40.6%
Lignite r/	7	6	16.7%	39	31	25.8%
Anthracite	14	17	-17.6%	84	127	-33.9%
Total	9,649	7,246	33.2%	47,979	36,806	30.4%
Imports:						
	544	1,053	-48.3%	2,405	3,461	-30.5%
EI Electric Total Output (Mil. Kwh)						
	Week Ended		% Chng	Cumulative Week 1 to		% Chng
	07/28/18	07/29/17		07/28/18	07/29/17	
EI Electric Total Output (Mil. Kwh)	91,789	90,617	1.3%	2,376,046	2,296,873	3.4%
EI Coal Region Output (Mil. Kwh)	78,718	78,830	-0.1%	2,057,893	1,973,156	4.3%
AISI Raw Steel Output (000 Tons)	1,836	1,733	5.9%	53,356	51,770	3.1%

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)	
	07/27/18	07/20/18	% Chng	Wed.	07/25/18
Central App, 12,500 Btu, 1.2 SO ₂	\$70.55	\$70.55	0.0%	Henry Hub	2.77
Northern App, 13,000 Btu, < 3.0 SO ₂	53.10	53.10	0.0%	New York	2.88
Illinois Basin, 11,800, 5.0 SO ₂	32.95	32.95	0.0%	Chicago	2.69
Powder River Basin, 8,800 Btu 0.8 SO ₂	13.00	13.00	0.0%	Cal.Comp.Avg.	4.22
Uinta Basin, 11,700 Btu, 0.8 SO ₂	41.30	41.30	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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National Mining Association Web Site: [http:// www.nma.org](http://www.nma.org)

EIA Estimated Weekly U.S. Coal Production Overview									
	Week Ended			Year to Date			52 Weeks Ended		
Coal-Producing Region & State (thousand short tons)	7/28/2018 (week 30)	7/21/2018 (week 29)	7/29/2017 (week 30)	7/28/2018	7/28/2017	% Change	7/28/2018	7/29/2017	% Change
Alabama	271	269	219	8,510	7,609	11.8	13,578	11,991	13.2
Alaska	20	20	19	535	527	1.6	965	882	9.4
Arizona	119	114	108	3,420	3,447	-0.8	6,180	5,979	3.4
Arkansas	1	1	.	18	27	-33.9	18	47	-61.7
Colorado	271	255	246	8,207	9,065	-9.5	14,157	15,448	-8.4
Illinois	949	929	889	28,485	28,822	-1.2	47,903	47,815	0.2
Indiana	617	608	605	18,417	18,142	1.5	31,505	31,138	1.2
Kentucky Total	746	724	764	23,006	25,430	-9.5	39,740	44,646	-11.0
Eastern (KY)	358	342	327	10,565	11,085	-4.7	18,073	18,473	-2.2
Western (KY)	389	382	437	12,441	14,344	-13.3	21,666	26,174	-17.2
Louisiana	20	17	13	672	1,473	-54.4	1,276	2,774	-54.0
Maryland	30	30	34	872	1,002	-13.0	1,524	1,830	-16.7
Mississippi	38	34	35	1,387	1,700	-18.4	2,287	3,047	-24.9
Missouri	5	5	5	139	140	-0.7	243	250	-2.8
Montana	812	823	818	20,630	18,065	14.2	37,690	34,745	8.5
New Mexico	209	198	248	6,116	8,176	-25.2	11,106	14,133	-21.4
North Dakota	581	581	584	16,384	15,976	2.6	29,119	28,904	0.7
Ohio	180	177	185	5,035	5,375	-6.3	9,133	10,155	-10.1
Oklahoma	12	11	10	287	485	-40.7	526	770	-31.7
Pennsylvania Total	920	899	915	26,992	28,608	-5.6	47,349	50,396	-6.0
Anthracite (PA)	33	33	32	876	1,102	-20.5	1,653	1,816	-9.0
Bituminous (PA)	888	865	882	26,116	27,507	-5.1	45,696	48,580	-5.9
Tennessee	6	6	7	168	297	-43.4	301	559	-46.2
Texas	658	649	727	16,442	19,831	-17.1	32,855	37,863	-13.2
Utah	286	275	256	7,927	7,874	0.7	14,346	14,068	2.0
Virginia	247	242	256	7,495	8,150	-8.0	12,991	14,213	-8.6
West Virginia Total	1,857	1,824	1,689	53,680	53,261	0.8	93,095	90,525	2.8
Northern (WV)	837	805	813	25,023	27,033	-7.4	44,679	47,720	-6.4
Southern (WV)	1,021	1,019	875	28,658	26,228	9.3	48,416	42,805	13.1
Wyoming	6,080	5,955	6,720	173,212	177,369	-2.3	311,424	330,400	-5.7
Appalachian Total	3,870	3,788	3,631	113,316	115,387	-1.8	196,045	198,142	-1.1
Interior Total	2,687	2,636	2,722	78,289	84,962	-7.9	138,279	149,876	-7.7
Western Total	8,378	8,220	8,999	236,431	240,498	-1.7	424,987	444,560	-4.4
East of Mississippi River	5,861	5,741	5,598	174,048	178,395	-2.4	299,406	306,314	-2.3
West of Mississippi River	9,074	8,902	9,754	253,988	262,452	-3.2	459,905	486,263	-5.4
Bituminous and Lignite	14,902	14,610	15,319	427,160	439,746	-2.9	757,658	790,762	-4.2
Anthracite	33	33	32	876	1,102	-20.5	1,653	1,816	-9.0
U.S. Total	14,935	14,644	15,351	428,036	440,847	-2.9	759,311	792,578	-4.2
Railroad Cars Loaded	87,761	85,865	92,430	2,467,314	2,474,799	-0.3	4,410,054	4,527,167	-2.6

Source: Energy Information Administration



Weekly Electric Output

Volume 86 No. 30

OUTPUT FOR WEEK ENDED - Jul 28, 2018

Aug 01, 2018

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Jul 28, 2018 was **91,789** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **177** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended July 28		52 Weeks Ended July 28	
	GWh Output	% Increase Over Corresponding Week of 2017	GWh Output	% Increase Over Corresponding Period of 2017
New England	2,928	25.4	120,879	-1.2
Mid-Atlantic	9,860	10.8	432,299	0.1
Central Industrial	13,770	0.1	676,376	1.3
West Central	7,069	-6.4	334,455	2.0
Southeast	22,299	-7.1	1,036,694	1.5
South Central	18,684	3.2	753,402	4.2
Rocky Mountain	7,036	8.0	277,708	-0.2
Pacific Northwest	3,016	5.3	157,635	-0.6
Pacific Southwest	7,127	8.2	279,668	-0.8
Total United States	91,789	1.3	4,069,115	1.4

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2018	Week Ended	2017	% Inc. (18/17)	52 Weeks Ended	2018	% Inc. (18/17)
Jul 07	92,272	Jul 08	87,622	5.3	Jul 07	4,069,479	1.3
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
Jul 28	2,376,046	Jul 29	2,296,873	3.4	YEAR TO DATE, FIRST 30 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2018	Week Ended	2017	Week Ended	2016
Jul 07	200	Jul 08	188	Jul 09	174
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

* 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		
	28-Jul 2018 GWh Output	29-Jul 2017 GWh Output	% Increase Over Corresponding Week of 2017	28-Jul 2018 GWh Output	29-Jul 2017 GWh Output	% Increase Over Corresponding Week of 2017	28-Jul 2018 GWh Output	29-Jul 2017 GWh Output	% Increase Over Corresponding Week of 2017
New England	2,928	2,335	25.4%	69,744	69,450	0.4%	120,879	122,350	-1.2%
Mid-Atlantic	9,860	8,895	10.8%	252,298	244,973	3.0%	432,299	431,689	0.1%
Central Industrial	13,770	13,755	0.1%	400,877	382,775	4.7%	676,376	667,446	1.3%
West Central	7,069	7,555	-6.4%	196,327	187,818	4.5%	334,455	328,020	2.0%
Southeast	22,299	24,000	-7.1%	608,423	584,777	4.0%	1,036,694	1,021,153	1.5%
South Central	18,684	18,109	3.2%	442,624	414,865	6.7%	753,402	723,251	4.2%
Rocky Mountain	7,036	6,516	8.0%	157,344	157,948	-0.4%	277,708	278,189	-0.2%
Pacific Northwest	3,016	2,864	5.3%	92,068	93,975	-2.0%	157,635	158,567	-0.6%
Pacific Southwest	7,127	6,588	8.2%	156,339	160,293	-2.5%	279,668	282,025	-0.8%
Total United States ^{1/}	<u>91,789</u>	<u>90,617</u>	1.3%	<u>2,376,044</u>	<u>2,296,874</u>	3.4%	4,069,116	4,012,690	1.4%
Coal Regions Only ^{2/}	78,718	78,830	-0.1%	2,057,893	1,973,156	4.3%	3,510,934	3,449,748	1.8%

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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July 30, 2018

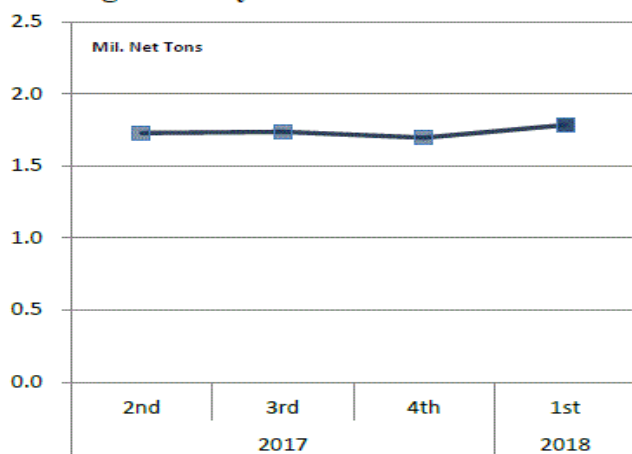
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 July 28</u>	<u>Week Ending July 21</u>	
<u>Week Ending</u>				North East	205	210
				Great Lakes	685	682
July 28, 2018	1,836	1.2	78.3	Midwest	190	186
July 28, 2017	1,733	5.9	74.3	Southern	684	663
July 21, 2018	1,815	1.8	77.4	Western	<u>72</u>	<u>74</u>
				Total	1,836	1,815
<u>Year-to-Date +</u>						
July 28, 2018	53,356	3.1	76.4			
July 28, 2017	51,770	-	74.4			

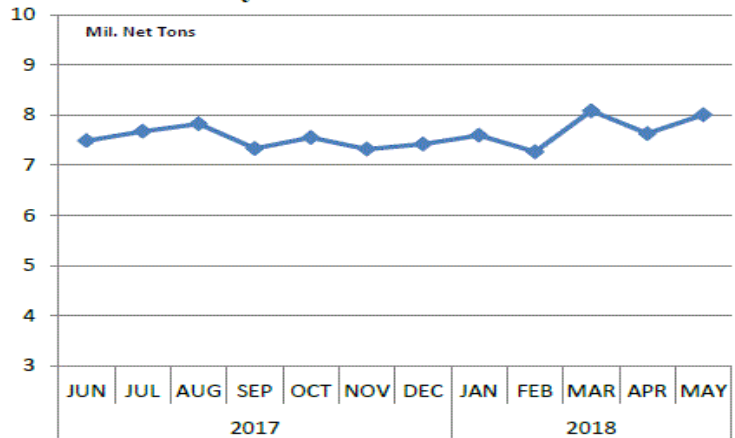
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 30, 2018 – Ended July 28, 2018

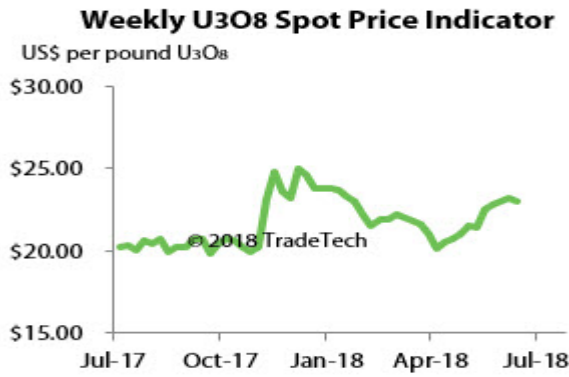
	This Week		Year-To-Date		
	Cars	vs 2017	Cumulative	Avg/wk ²	vs 2017
Total Carloads	271,234	1.2%	7,795,707	259,857	1.6%
Chemicals	32,802	4.1%	969,517	32,317	3.9%
Coal	87,761	-4.9%	2,475,938	82,531	-0.4%
Farm Products excl. Grain, and Food	16,514	3.8%	485,147	16,172	1.8%
Forest Products	11,072	7.2%	307,674	10,256	2.0%
Grain	24,247	17.0%	696,010	23,200	2.0%
Metallic Ores and Metals	25,598	5.2%	689,969	22,999	3.0%
Motor Vehicles and Parts	15,576	3.8%	494,078	16,469	-1.2%
Nonmetallic Minerals	35,935	-6.9%	1,077,279	35,909	3.3%
Petroleum and Petroleum Products	12,142	36.3%	315,644	10,521	9.3%
Other	9,587	-7.7%	284,451	9,482	-2.4%
Total Intermodal Units	287,920	4.8%	8,261,699	275,390	6.1%
Total Traffic	559,154	3.0%	16,057,406	535,247	3.9%

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

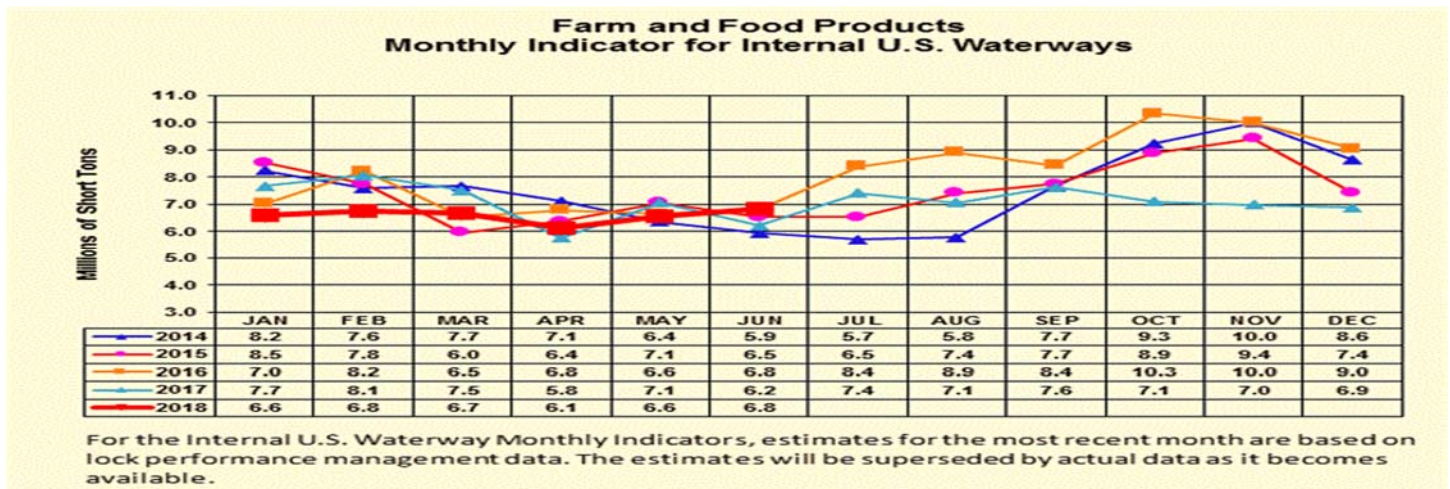
² Average per week figures may not sum to totals as a result of independent rounding.

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 change
	06/29/18	07/06/18	07/13/18	07/20/18	07/27/18	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$66.10	\$69.15	\$69.15	\$70.55	\$70.55	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$48.50	\$51.50	\$51.50	\$53.10	\$53.10	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$32.70	\$32.95	\$32.95	\$32.95	\$32.95	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.35	\$13.05	\$13.05	\$13.00	\$13.00	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$41.25	\$41.45	\$41.45	\$41.30	\$41.30	\$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



 Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Jul 19)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	1	0	-4	51	8	1
Middle Atlantic	0	-1	0	72	14	0
E N Central	1	0	-1	70	13	15
W N Central	0	-3	-1	81	9	1
South Atlantic	0	0	0	104	7	-7
E S Central	0	0	0	105	11	2
W S Central	0	0	0	144	20	16
Mountain	0	-4	0	93	14	0
Pacific	0	-3	0	77	34	9
United States	0	-1	0	89	15	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: 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*

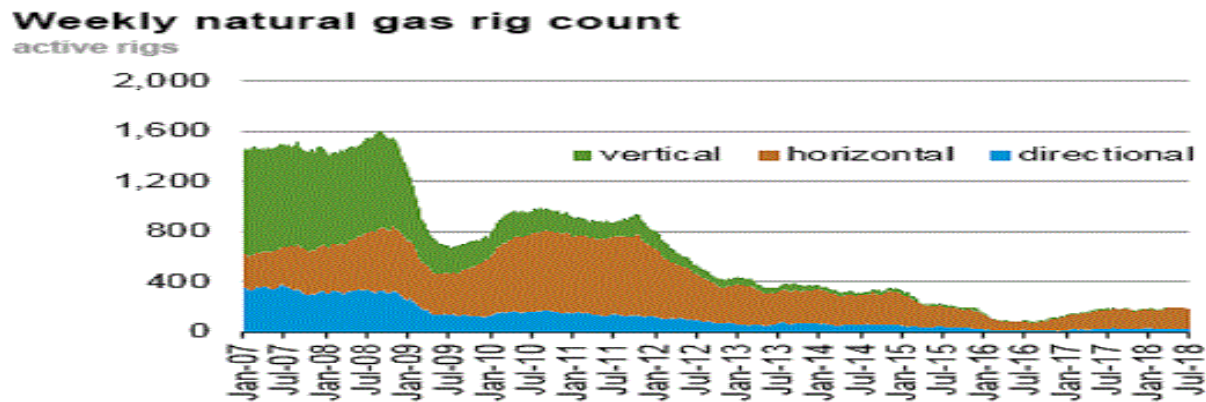
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2018-07-20	2018-07-13	change
East	527	507	20
Midwest	524	501	23
Mountain	145	144	1
Pacific	257	259	-2
South Central	820	838	-18
Total	2,273	2,249	24

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*