

National Mining Association

Weekly Statistical Summary

July 27, 2018 Edition
(Data for Week Ending July 21, 2018)

Prepared by
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NMA Weekly Statistical Summary

Vol. 56, No. 29
Dated 07/27/18

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	07/21/18	07/22/17	% Chng	07/21/18	07/21/17	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,644	14,666	-0.2%	413,101	425,585	-2.9%
52 Weeks Ended	759,728	791,496	-4.0%			
AAR Coal Rail Cars Loaded:	85,865	88,304	-2.8%	2,379,553	2,382,904	-0.1%
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
	07/21/18	07/22/17		07/21/18	07/22/17	
EI Electric Total Output (Mil. Kwh)	92,868	94,541	-1.8%	2,284,257	2,206,256	3.5%
EI Coal Region Output (Mil. Kwh)	80,628	82,237	-2.0%	1,979,175	1,894,326	4.5%
AISI Raw Steel Output (000 Tons)	1,815	1,733	4.7%	51,520	50,037	3.0%

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)	
	07/20/18	07/13/18	% Chng	Wed.	07/18/18
Central App, 12,500 Btu, 1.2 SO ₂	\$70.55	\$69.15	2.0%	Henry Hub	2.72
Northern App, 13,000 Btu, < 3.0 SO ₂	53.10	51.50	3.1%	New York	2.83
Illinois Basin, 11,800, 5.0 SO ₂	32.95	32.95	0.0%	Chicago	2.66
Powder River Basin, 8,800 Btu 0.8 SO ₂	13.00	13.05	-0.4%	Cal.Comp.Avg.	3.12
Uinta Basin, 11,700 Btu, 0.8 SO ₂	41.30	41.45	-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									
Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	7/21/2018 (week 29)	7/14/2018 (week 28)	7/22/2017 (week 29)	7/21/2018	7/21/2017	% Change	7/21/2018	7/22/2017	% Change
Alabama	269	252	209	8,238	7,391	11.5	13,526	11,938	13.3
Alaska	20	20	18	515	508	1.4	964	876	10.0
Arizona	114	122	103	3,301	3,340	-1.2	6,169	5,979	3.2
Arkansas	1	1	.	16	27	-38.9	16	48	-66.7
Colorado	255	263	235	7,937	8,820	-10.0	14,133	15,423	-8.4
Illinois	929	896	849	27,537	27,938	-1.4	47,844	47,668	0.4
Indiana	608	591	578	17,801	17,540	1.5	31,493	31,065	1.4
Kentucky Total	724	710	730	22,260	24,670	-9.8	39,757	44,635	-10.9
Eastern (KY)	342	344	312	10,207	10,760	-5.1	18,042	18,423	-2.1
Western (KY)	382	366	417	12,052	13,910	-13.4	21,715	26,213	-17.2
Louisiana	17	23	12	652	1,460	-55.3	1,269	2,808	-54.8
Maryland	30	27	32	842	968	-13.1	1,528	1,828	-16.4
Mississippi	34	36	34	1,350	1,664	-18.9	2,285	3,067	-25.5
Missouri	5	5	5	134	135	-0.7	243	250	-2.8
Montana	823	783	781	19,818	17,252	14.9	37,696	34,607	8.9
New Mexico	198	200	237	5,907	7,929	-25.5	11,145	14,096	-20.9
North Dakota	581	560	558	15,803	15,396	2.6	29,123	28,832	1.0
Ohio	177	174	177	4,855	5,191	-6.5	9,138	10,188	-10.3
Oklahoma	11	11	10	276	474	-41.9	525	772	-32.0
Pennsylvania Total	899	884	874	26,072	27,699	-5.9	47,344	50,318	-5.9
Anthracite (PA)	33	30	31	843	1,069	-21.1	1,653	1,810	-8.7
Bituminous (PA)	865	853	843	25,228	26,630	-5.3	45,690	48,508	-5.8
Tennessee	6	5	7	162	290	-44.0	303	563	-46.2
Texas	649	647	694	15,784	19,108	-17.4	32,924	37,882	-13.1
Utah	275	290	245	7,641	7,619	0.3	14,316	14,048	1.9
Virginia	242	235	244	7,247	7,895	-8.2	13,000	14,204	-8.5
West Virginia Total	1,824	1,796	1,613	51,823	51,582	0.5	92,926	90,348	2.9
Northern (WV)	805	832	777	24,186	26,224	-7.8	44,656	47,767	-6.5
Southern (WV)	1,019	964	836	27,637	25,358	9.0	48,271	42,581	13.4
Wyoming	5,955	5,947	6,420	167,132	170,688	-2.1	312,063	330,051	-5.5
Appalachian Total	3,788	3,716	3,469	109,447	111,777	-2.1	195,806	197,811	-1.0
Interior Total	2,636	2,575	2,600	75,601	82,256	-8.1	138,313	149,771	-7.7
Western Total	8,220	8,185	8,597	228,053	231,552	-1.5	425,608	443,914	-4.1
East of Mississippi River	5,741	5,606	5,348	168,186	172,830	-2.7	299,143	305,824	-2.2
West of Mississippi River	8,902	8,871	9,318	244,914	252,755	-3.1	460,585	485,672	-5.2
Bituminous and Lignite	14,610	14,446	14,635	412,257	424,515	-2.9	758,074	789,686	-4.0
Anthracite	33	30	31	843	1,069	-21.1	1,653	1,810	-8.7
U.S. Total	14,644	14,476	14,666	413,101	425,585	-2.9	759,728	791,496	-4.0
Railroad Cars Loaded	85,865	84,511	88,304	2,379,553	2,382,904	-0.1	4,414,723	4,518,414	-2.3

Source: Energy Information Administration



Weekly Electric Output

Volume 86 No. 29

OUTPUT FOR WEEK ENDED - Jul 21, 2018

Jul 25, 2018

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Jul 21, 2018 was 92,868 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 179 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended July 21		52 Weeks Ended July 21	
	GWh Output	% Increase Over Corresponding Week of 2017	GWh Output	% Increase Over Corresponding Period of 2017
New England	2,633	-10.3	120,286	-2.3
Mid-Atlantic	9,721	-9.2	431,335	-0.5
Central Industrial	14,708	-2.1	676,360	1.1
West Central	7,571	-4.4	334,941	2.0
Southeast	22,900	-5.4	1,038,394	1.6
South Central	19,055	6.2	752,827	4.2
Rocky Mountain	6,673	3.8	277,189	-0.5
Pacific Northwest	2,840	4.8	157,482	-0.7
Pacific Southwest	6,767	1.7	279,129	-1.3
Total United States	92,868	-1.8	4,067,943	1.2

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2018	Week Ended	2017	% Inc. (18/17)	52 Weeks Ended	2018	% Inc. (18/17)
Jun 30	89,162	Jul 01	82,260	8.4	Jun 30	4,064,828	1.1
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 21	2,284,257	Jul 22	2,206,256	3.5	YEAR TO DATE, FIRST 29 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2018	Week Ended	2017	Week Ended	2016
Jun 30	191	Jul 01	172	Jul 02	178
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

* 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		
	21-Jul 2018 GWh Output	22-Jul 2017 GWh Output	% Increase Over Corresponding Week of 2017	21-Jul 2018 GWh Output	22-Jul 2017 GWh Output	% Increase Over Corresponding Week of 2017	21-Jul 2018 GWh Output	22-Jul 2017 GWh Output	% Increase Over Corresponding Week of 2017
New England	2,633	2,936	-10.3%	66,816	67,115	-0.4%	120,286	123,084	-2.3%
Mid-Atlantic	9,721	10,708	-9.2%	242,438	236,078	2.7%	431,335	433,674	-0.5%
Central Industrial	14,708	15,023	-2.1%	387,107	369,020	4.9%	676,360	669,068	1.1%
West Central	7,571	7,917	-4.4%	189,258	180,263	5.0%	334,941	328,221	2.0%
Southeast	22,900	24,211	-5.4%	586,124	560,777	4.5%	1,038,394	1,021,957	1.6%
South Central	19,055	17,950	6.2%	423,940	396,756	6.9%	752,827	722,223	4.2%
Rocky Mountain	6,673	6,428	3.8%	150,308	151,432	-0.7%	277,189	278,713	-0.5%
Pacific Northwest	2,840	2,711	4.8%	89,052	91,111	-2.3%	157,482	158,570	-0.7%
Pacific Southwest	6,767	6,657	1.7%	149,212	153,705	-2.9%	279,129	282,664	-1.3%
Total United States ^{1/}	92,868	94,541	-1.8%	2,284,255	2,206,257	3.5%	4,067,943	4,018,174	1.2%
Coal Regions Only ^{2/}	80,628	82,237	-2.0%	1,979,175	1,894,326	4.5%	3,511,046	3,453,856	1.7%

Notes: EEl 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. EEl 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 (EEl), *Weekly Electric Output Report*.

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July 23, 2018

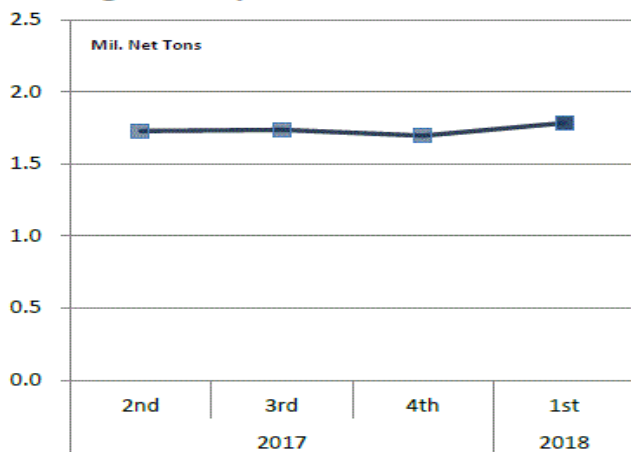
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 21</u>	<u>Week Ending July 14</u>	
<u>Week Ending</u>				North East	210	207
				Great Lakes	682	666
July 21, 2018	1,815	1.8	77.4	Midwest	186	179
July 21, 2017	1,733	4.7	74.3	Southern	663	658
July 14, 2018	1,783	-0.5	76.1	Western	74	73
				Total	1,815	1,783
<u>Year-to-Date +</u>						
July 21, 2018	51,520	3.0	76.4			
July 21, 2017	50,037	-	74.4			

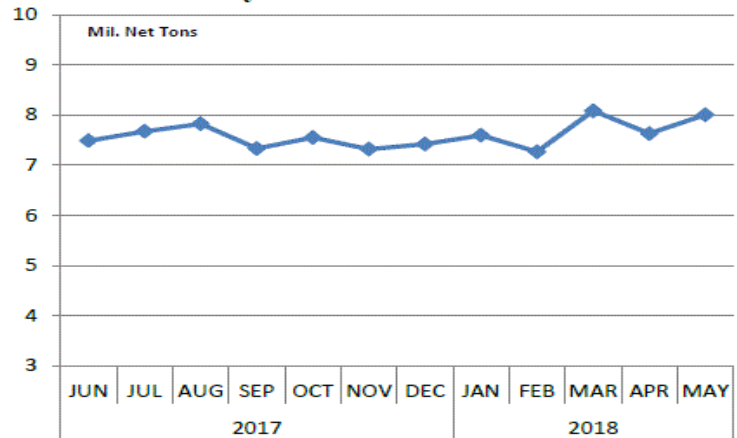
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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



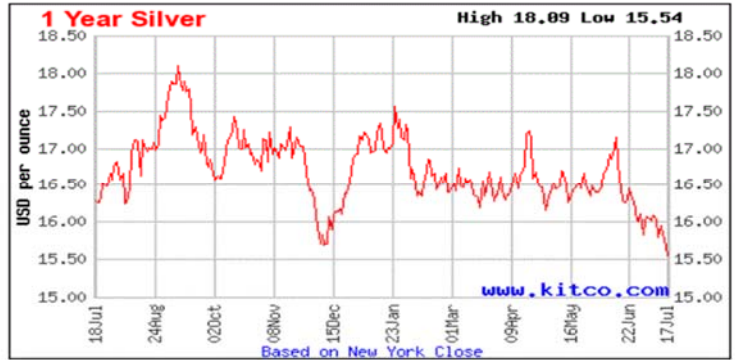
Monthly Raw Steel Production



*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 29, 2018 – Ended July 21, 2018

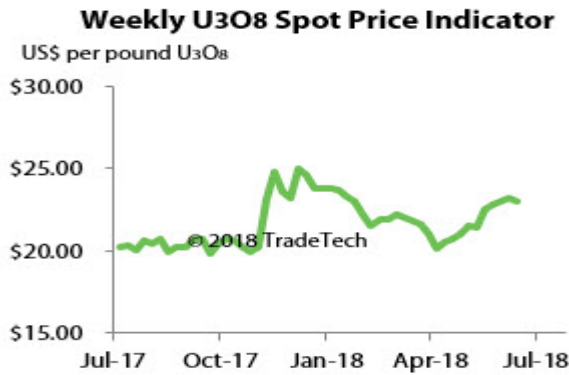
	This Week		Year-To-Date		
	Cars	vs 2017	Cumulative	Avg/wk ²	vs 2017
Total Carloads	265,338	3.8%	7,524,473	259,465	1.6%
Chemicals	32,043	5.9%	936,715	32,301	3.9%
Coal	85,865	-2.8%	2,388,177	82,351	-0.3%
Farm Products excl. Grain, and Food	16,059	11.4%	468,633	16,160	1.8%
Forest Products	10,313	-0.8%	296,602	10,228	1.8%
Grain	23,767	16.5%	671,763	23,164	1.5%
Metallic Ores and Metals	24,099	2.9%	664,371	22,909	2.9%
Motor Vehicles and Parts	13,881	9.4%	478,502	16,500	-1.4%
Nonmetallic Minerals	38,151	2.3%	1,041,344	35,908	3.7%
Petroleum and Petroleum Products	11,102	22.1%	303,502	10,466	8.4%
Other	10,058	8.8%	274,864	9,478	-2.3%
Total Intermodal Units	287,686	5.9%	7,973,779	274,958	6.2%
Total Traffic	553,024	4.9%	15,498,252	534,422	3.9%

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

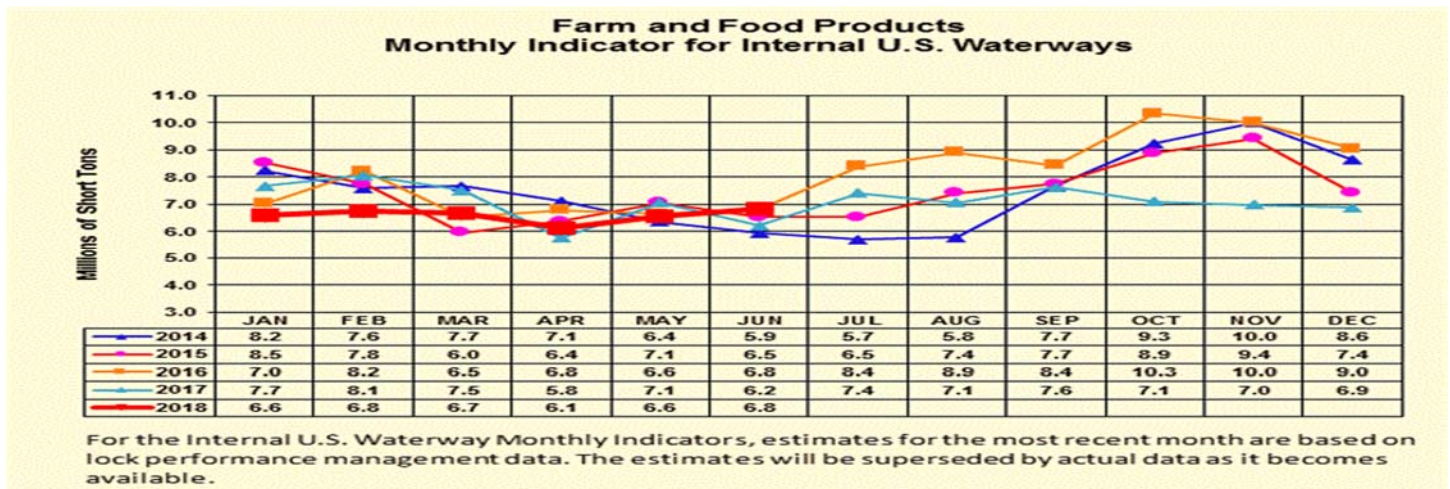
² Average per week figures may not sum to totals as a result of independent rounding.

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

Trade Tech's Uranium Price Indicators



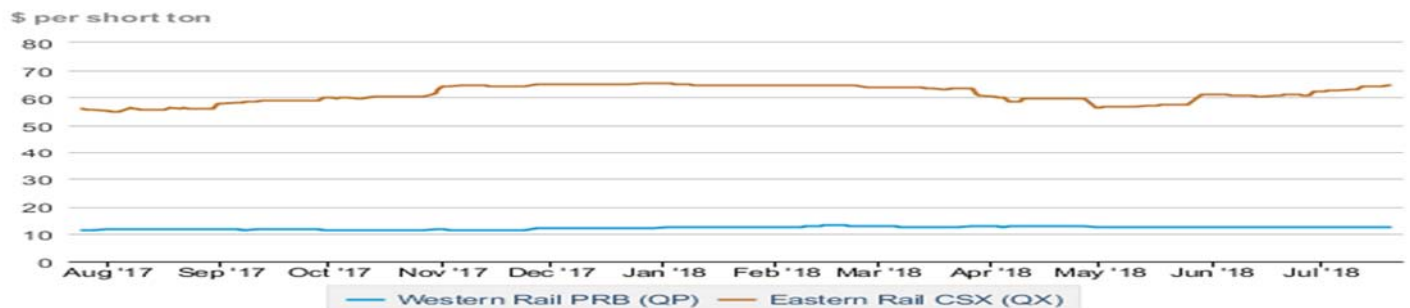
Sources: Trade Tech, Uranium Info Website – www.uranium.info ; Ux Consulting Co., LLC – <http://www.uxc.com>



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

NYMEX Coal Futures Near-month Contract Final Settlement Price

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
	06/22/18	06/29/18	07/06/18	07/13/18	07/20/18	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$66.10	\$66.10	\$69.15	\$69.15	\$70.55	\$1.40
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$48.50	\$48.50	\$51.50	\$51.50	\$53.10	\$1.60
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$32.70	\$32.70	\$32.95	\$32.95	\$32.95	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.35	\$12.35	\$13.05	\$13.05	\$13.00	-\$0.05
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$41.25	\$41.25	\$41.45	\$41.45	\$41.30	-\$0.15

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

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



 Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Jul 12)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	2	1	1	43	5	-3
Middle Atlantic	1	0	1	56	2	-3
E N Central	2	1	1	54	0	-6
W N Central	0	-3	0	86	18	3
South Atlantic	0	0	0	93	-2	-13
E S Central	0	0	0	100	8	5
W S Central	0	0	0	121	0	-3
Mountain	0	-7	0	95	20	-10
Pacific	1	-4	0	81	42	1
United States	1	-1	0	80	9	-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)



eia Source: Natural Gas Intelligence

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

Coal stocks and average number of days of burn for non-lignite coal by region (electric power sector)

Zone	Coal	April 2018		April 2017		% Change of Stocks	March 2018	
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn
Northeast	Bituminous	3,332	88	4,712	81	-29.3%	3,486	100
	Subbituminous	79	233	145	226	-45.2%	110	278
South	Bituminous	23,749	78	32,491	82	-26.9%	22,824	88
	Subbituminous	7,259	75	6,518	71	11.4%	5,824	75
Midwest	Bituminous	10,838	76	15,357	89	-29.4%	10,838	84
	Subbituminous	33,992	95	43,634	88	-22.1%	33,806	105
West	Bituminous	4,976	102	5,924	90	-16.0%	4,763	110
	Subbituminous	27,300	88	32,205	89	-15.2%	26,364	99
U.S. Total	Bituminous	42,985	80	58,484	84	-26.5%	42,120	90
	Subbituminous	68,631	90	82,501	87	-16.8%	66,104	99

Source: U.S. Energy Information Administration

NOTE: Stockpile levels shown above reflect a sample of electric power sector plants, which were used to create of 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

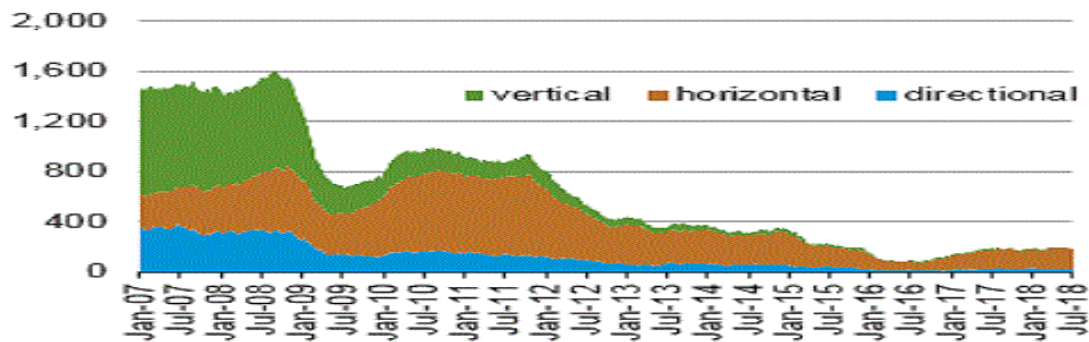
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2018-07-13	2018-07-06	change
East	507	480	27
Midwest	501	477	24
Mountain	144	143	1
Pacific	259	260	-1
South Central	838	843	-5
Total	2,249	2,203	46

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

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		
	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*