

National Mining Association

Weekly Statistical Summary

September 28, 2018 Edition
(Data for Week Ending September 22, 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. 38
Dated 09/28/18

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	09/22/18	09/23/17	% Chng	09/22/18	09/22/17	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,937	14,016	6.6%	550,722	563,813	-2.3%
52 Weeks Ended	759,205	793,382	-4.3%			
AAR Coal Rail Cars Loaded:	87,890	84,389	4.1%	3,186,835	3,217,603	-1.0%
Coal Production Month Ended - Aug	Aug 18/17		% Chng	Jan - Aug 18/17		% Chng
	69,491	70,482	-1.4%	504,188	517,474	-2.6%
DOC Coal Trade (000 Tons)						
Exports:	July 18/17			Jan - July 18/17		
			% Chng			% Chng
Metallurgical	4,763	4,221	12.8%	36,583	29,843	22.6%
Steam *	4,716	2,924	61.3%	30,882	21,259	45.3%
Lignite	8	7	14.3%	52	46	13.0%
Anthracite	51	31	64.5%	141	164	-14.0%
Total	9,538	7,183	32.8%	67,658	51,312	31.9%
Imports:	692	956	-27.6%	3,605	5,068	-28.9%
	Week Ended			Cumulative Week 1 to		
	09/22/18	09/23/17	% Chng	09/22/18	09/23/17	% Chng
EI Electric Total Output (Mil. Kwh)	83,579	81,983	1.9%	3,073,792	2,949,812	4.2%
EI Coal Region Output (Mil. Kwh)	73,080	71,880	1.7%	2,662,825	2,534,339	5.1%
AISI Raw Steel Output (000 Tons)	1,863	1,711	8.9%	68,601	65,714	4.4%

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)	
	09/21/18	09/14/18	% Chng	Wed.	09/19/18
Central App, 12,500 Btu, 1.2 SO ₂	\$74.30	\$74.30	0.0%	Henry Hub	3.06
Northern App, 13,000 Btu, < 3.0 SO ₂	58.20	58.20	0.0%	New York	3.01
Illinois Basin, 11,800, 5.0 SO ₂	34.70	33.45	3.7%	Chicago	3.00
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.10	12.10	0.0%	Cal.Comp.Avg.	2.47
Uinta Basin, 11,700 Btu, 0.8 SO ₂	40.85	40.85	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



NMA
THE AMERICAN RESOURCE

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)	9/22/2018 (week 38)	9/15/2018 (week 37)	9/23/2017 (week 38)	9/22/2018	9/22/2017	% Change	9/22/2018	9/23/2017	% Change
Alabama	274	253	200	10,696	9,364	14.2	14,012	12,320	13.7
Alaska	20	20	17	699	675	3.5	981	916	7.1
Arizona	116	123	98	4,403	4,308	2.2	6,304	5,920	6.5
Arkansas	1	1	.	28	27	6.1	28	39	-28.2
Colorado	260	264	225	10,384	11,037	-5.9	14,364	15,522	-7.5
Illinois	946	899	812	36,140	35,944	0.5	48,446	48,582	-0.3
Indiana	621	594	553	23,445	23,155	1.3	31,690	31,589	0.3
Kentucky Total	747	715	699	29,372	31,613	-7.1	40,026	44,387	-9.8
Eastern (KY)	357	348	300	13,792	13,768	0.2	18,715	18,788	-0.4
Western (KY)	389	368	399	15,580	17,844	-12.7	21,310	25,599	-16.8
Louisiana	17	23	12	836	1,575	-47.0	1,337	2,476	-46.0
Maryland	31	27	31	1,173	1,272	-7.7	1,556	1,830	-15.0
Mississippi	35	36	32	1,685	1,983	-15.1	2,301	2,851	-19.3
Missouri	5	5	4	178	179	-0.3	243	249	-2.4
Montana	840	786	747	27,394	24,616	11.3	37,913	35,472	6.9
New Mexico	202	201	227	7,790	10,166	-23.4	10,792	14,310	-24.6
North Dakota	592	563	533	21,146	20,655	2.4	29,209	29,203	s
Ohio	180	174	169	6,501	6,859	-5.2	9,116	9,769	-6.7
Oklahoma	10	10	9	385	405	-4.8	541	589	-8.1
Pennsylvania Total	919	888	835	34,663	35,935	-3.5	47,705	50,559	-5.6
Anthracite (PA)	36	31	30	1,279	1,361	-6.1	1,797	1,845	-2.6
Bituminous (PA)	883	857	805	33,385	34,573	-3.4	45,908	48,715	-5.8
Tennessee	6	5	6	213	353	-39.6	290	518	-44.0
Texas	661	650	664	21,848	25,653	-14.8	32,447	37,303	-13.0
Utah	280	291	234	10,281	9,925	3.6	14,652	14,101	3.9
Virginia	247	236	234	9,495	10,199	-6.9	12,945	14,145	-8.5
West Virginia Total	1,860	1,801	1,540	69,023	66,720	3.5	94,903	91,045	4.2
Northern (WV)	821	836	743	31,866	33,547	-5.0	45,016	46,871	-4.0
Southern (WV)	1,039	965	797	37,157	33,173	12.0	49,887	44,173	12.9
Wyoming	6,067	5,972	6,135	222,942	231,196	-3.6	307,403	329,688	-6.8
Appalachian Total	3,875	3,731	3,315	145,557	144,470	0.8	199,243	198,974	0.1
Interior Total	2,686	2,586	2,485	100,125	106,765	-6.2	138,344	149,277	-7.3
Western Total	8,376	8,220	8,216	305,039	312,578	-2.4	421,618	445,132	-5.3
East of Mississippi River	5,866	5,629	5,111	222,407	223,397	-0.4	302,990	307,594	-1.5
West of Mississippi River	9,071	8,908	8,905	328,315	340,417	-3.6	456,214	485,788	-6.1
Bituminous and Lignite	14,901	14,507	13,986	549,443	562,452	-2.3	757,408	791,537	-4.3
Anthracite	36	31	30	1,279	1,361	-6.1	1,797	1,845	-2.6
U.S. Total	14,937	14,537	14,016	550,722	563,813	-2.3	759,205	793,382	-4.3
Railroad Cars Loaded	87,890	85,562	84,389	3,186,835	3,217,603	-1.0	4,387,817	4,551,308	-3.6

Source: Energy Information Administration



Weekly Electric Output

Volume 86 No. 38

OUTPUT FOR WEEK ENDED - Sep 22, 2018

Sep 26, 2018

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Sep 22, 2018** was **83,579** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **196** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended September 22		52 Weeks Ended September 22	
	GWh Output	% Increase Over Corresponding Week of 2017	GWh Output	% Increase Over Corresponding Period of 2017
New England	2,382	1.9	123,018	2.4
Mid-Atlantic	8,633	0.1	440,960	4.5
Central Industrial	13,863	-1.8	685,591	4.6
West Central	6,865	-1.2	338,124	4.2
Southeast	21,497	4.5	1,048,742	4.2
South Central	16,318	-0.8	761,359	5.9
Rocky Mountain	5,904	14.0	279,907	0.2
Pacific Northwest	2,501	-1.0	157,279	-1.2
Pacific Southwest	5,616	7.2	278,943	-1.8
Total United States	83,579	1.9	4,113,922	3.6

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2018	Week Ended	2017	% Inc. (18/17)	52 Weeks Ended	2018	% Inc. (18/17)
Sep 01	89,856	Sep 02	77,100	16.5	Sep 01	4,096,669	2.8
Sep 08	86,716	Sep 09	75,405	15.0	Sep 08	4,107,981	3.3
Sep 15	79,597	Sep 16	75,251	5.8	Sep 15	4,112,327	3.6
Sep 22	83,579	Sep 23	81,983	1.9	Sep 22	4,113,922	3.6
Sep 22	3,073,792	Sep 23	2,949,812	4.2	YEAR TO DATE, FIRST 38 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2018	Week Ended	2017	Week Ended	2016
Sep 01	175	Sep 02	159	Sep 03	180
Sep 08	173	Sep 09	160	Sep 10	195
Sep 15	182	Sep 16	175	Sep 17	191
Sep 22	196	Sep 23	197	Sep 24	197

* 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		
	22-Sep 2018 GWh Output	23-Sep 2017 GWh Output	% Increase Over Corresponding Week of 2017	22-Sep 2018 GWh Output	23-Sep 2017 GWh Output	% Increase Over Corresponding Week of 2017	22-Sep 2018 GWh Output	23-Sep 2017 GWh Output	% Increase Over Corresponding Week of 2017
New England	2,382	2,338	1.9%	91,065	88,631	2.7%	123,018	120,114	2.4%
Mid-Atlantic	8,633	8,624	0.1%	329,191	313,207	5.1%	440,960	422,012	4.5%
Central Industrial	13,863	14,110	-1.8%	512,481	485,164	5.6%	685,591	655,335	4.6%
West Central	6,865	6,946	-1.2%	252,255	240,075	5.1%	338,124	324,360	4.2%
Southeast	21,497	20,564	4.5%	783,891	748,196	4.8%	1,048,742	1,006,684	4.2%
South Central	16,318	16,456	-0.8%	577,118	541,400	6.6%	761,359	718,951	5.9%
Rocky Mountain	5,904	5,180	14.0%	207,889	206,297	0.8%	279,907	279,446	0.2%
Pacific Northwest	2,501	2,526	-1.0%	113,273	115,536	-2.0%	157,279	159,230	-1.2%
Pacific Southwest	<u>5,616</u>	<u>5,239</u>	7.2%	<u>206,628</u>	<u>211,307</u>	-2.2%	<u>278,943</u>	<u>283,957</u>	-1.8%
Total United States ^{1/}	<u>83,579</u>	<u>81,983</u>	1.9%	<u>3,073,791</u>	<u>2,949,813</u>	4.2%	<u>4,113,923</u>	<u>3,970,089</u>	3.6%
Coal Regions Only ^{2/}	73,080	71,880	1.7%	2,662,825	2,534,339	5.1%	3,554,683	3,406,788	4.3%

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

September 24, 2018

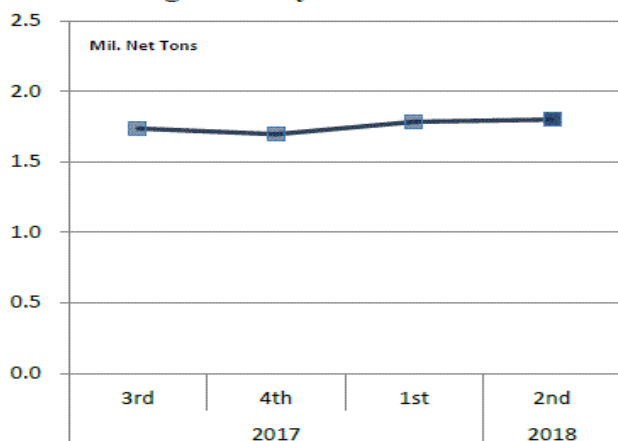
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 Sep. 22</u>	<u>Week Ending Sep. 15</u>	
<u>Week Ending</u>				North East	218	226
				Great Lakes	695	689
September 22, 2018	1,863	0.1	79.5	Midwest	202	197
September 22, 2017	1,711	8.9	73.4	Southern	664	674
September 15, 2018	1,862	-0.9	79.4	Western	84	76
				Total	1,863	1,862
<u>Year-to-Date +</u>						
September 22, 2018	68,601	4.4	77.5			
September 22, 2017	65,714	-	74.4			

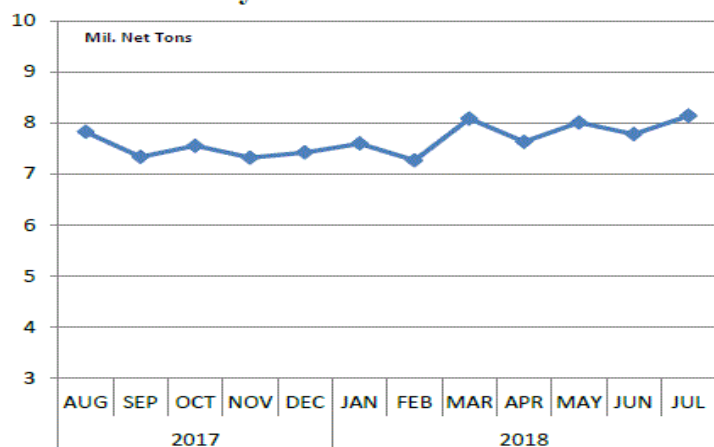
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 38, 2018 – Ended September 22, 2018

	This Week		Year-To-Date		
	Cars	vs 2017	Cumulative	Avg/wk ²	vs 2017
Total Carloads	272,615	4.2%	9,976,253	262,533	2.0%
Chemicals	31,741	3.6%	1,227,386	32,300	4.5%
Coal	87,890	4.1%	3,195,457	84,091	-1.0%
Farm Products excl. Grain, and Food	15,827	0.2%	614,692	16,176	2.7%
Forest Products	10,305	1.9%	391,911	10,313	2.9%
Grain	23,297	18.8%	875,528	23,040	4.7%
Metallic Ores and Metals	24,132	-4.9%	885,971	23,315	3.0%
Motor Vehicles and Parts	17,001	-4.6%	627,337	16,509	-0.6%
Nonmetallic Minerals	38,505	-2.2%	1,382,266	36,375	3.0%
Petroleum and Petroleum Products	13,131	42.8%	410,945	10,814	14.3%
Other	10,786	14.6%	364,760	9,599	-0.5%
Total Intermodal Units	294,463	5.7%	10,532,388	277,168	6.0%
Total Traffic	567,078	4.9%	20,508,641	539,701	4.0%

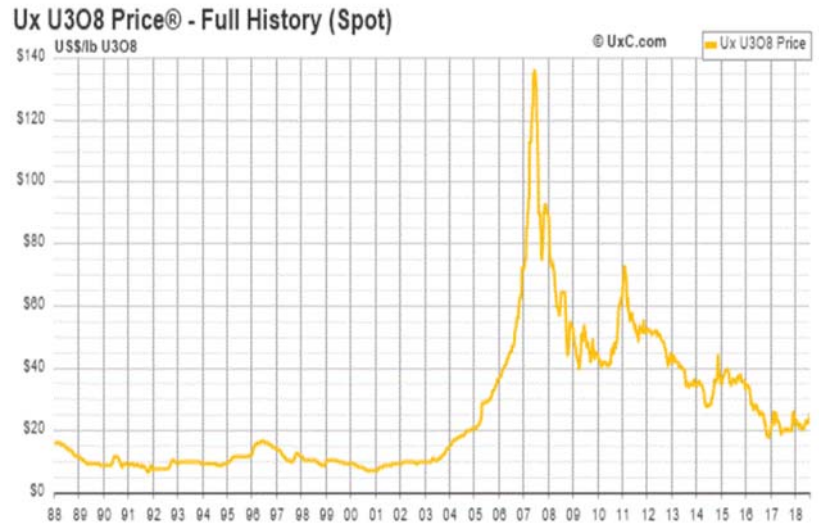
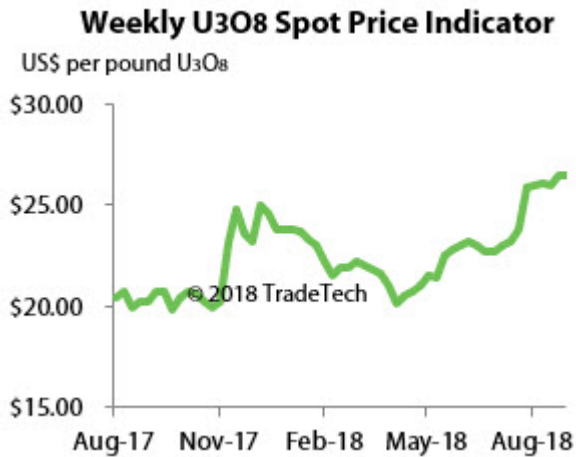
¹ Excludes U.S. operations of Canadian Pacific, CN and GMXT.

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>

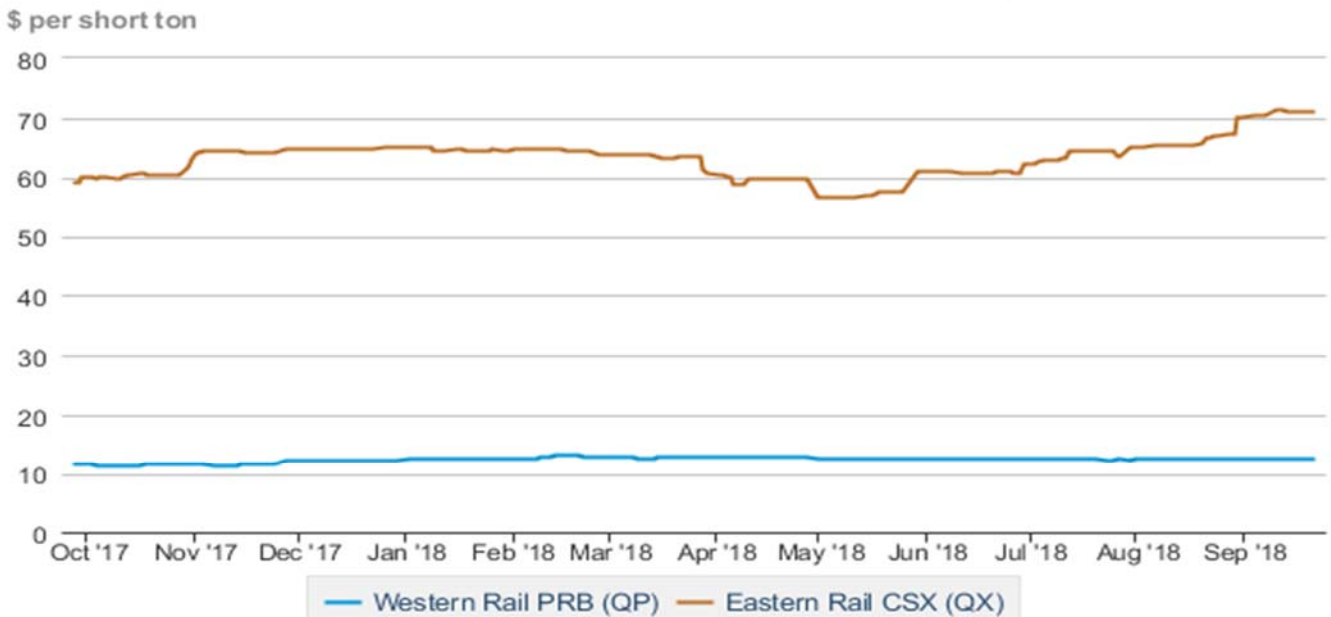
Trade Tech's and UX's Uranium Price Indicators

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
	08/24/18	08/31/18	09/07/18	09/14/18	09/21/18	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$73.20	\$73.20	\$75.45	\$74.30	\$74.30	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$56.45	\$56.45	\$58.20	\$58.20	\$58.20	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$32.70	\$32.70	\$32.70	\$33.45	\$34.70	\$1.25
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.15	\$12.15	\$12.10	\$12.10	\$12.10	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$41.00	\$41.00	\$40.85	\$40.85	\$40.85	\$0.00

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

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



 Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Sep 13)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	21	0	-2	9	2	7
Middle Atlantic	18	5	-8	20	2	18
E N Central	21	3	-22	10	-8	10
W N Central	14	-9	-3	25	-1	3
South Atlantic	1	-2	-19	89	21	45
E S Central	1	-2	-24	77	19	58
W S Central	1	-1	-2	83	-8	35
Mountain	5	-23	4	65	20	-3
Pacific	5	-5	4	44	10	-10
United States	11	-2	-9	48	6	19

Note: HDD = heating degree day; CDD = cooling degree day

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

USGS Production of Selected Mineral Commodities	2018 Year to Date - 2nd Quarter	2017 Year to Date - 2nd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	417.0	419.0	0%
Cement (Mil. Mt.)	40.4	39.6	2%
Copper (000 Mt.)	599.0	649.0	-8%
Gold (Mt.)	104.0	119.0	-13%
Gypsum (Mil. Mt.)	8.4	8.2	2%
Iron Ore (Mil. Mt.)	24.0	22.3	8%
Lead (000 Mt.)	130.0	158.0	-18%
Molybdenum (000 Mt.)	20.7	19.3	7%
Phosphate rock (Mil. Mt.)	13.5	13.7	-1%
Sand & gravel, construction (Mil. Mt.)	435.0	401.0	8%
Silver (Mt.)	442.0	536.0	-18%
Soda ash (Mil. Mt.)	5.8	5.8	0%
Stone, crushed (Mil. Mt.)	650.0	624.0	4%
Zinc (000 Mt.)	383.0	336.0	14%

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*.

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

Zone	Coal	July 2018		July 2017		% Change of Stocks	June 2018	
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn
Northeast	Bituminous	2,921	81	3,915	72	-25.4%	3,408	85
	Subbituminous	172	197	129	166	33.6%	147	213
South	Bituminous	19,630	66	28,498	75	-31.1%	21,552	62
	Subbituminous	5,481	52	5,709	55	-4.0%	6,246	55
Midwest	Bituminous	10,225	76	13,750	76	-25.6%	10,802	73
	Subbituminous	28,934	81	38,044	73	-23.9%	31,471	79
West	Bituminous	5,024	97	5,576	82	-9.9%	5,317	99
	Subbituminous	22,274	65	28,437	74	-21.7%	24,946	69
U.S. Total	Bituminous	37,801	74	51,738	76	-26.9%	41,080	70
	Subbituminous	56,861	70	72,319	72	-21.4%	62,809	72

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

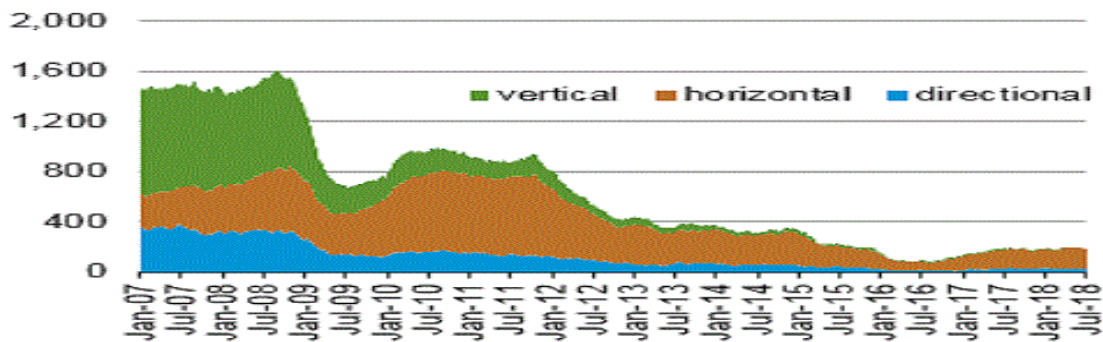
Region	Stocks billion cubic feet (Bcf)		
	2018-09-14	2018-09-07	change
East	709	679	30
Midwest	770	734	36
Mountain	170	166	4
Pacific	255	250	5
South Central	818	806	12
Total	2,722	2,636	86

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

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

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		
	September 2018	October 2018	change	September 2018	October 2018	change
Anadarko	408	411	3	2,881	2,904	23
Appalachia	145	146	1	16,131	16,282	151
Bakken	1,491	1,501	10	1,871	1,908	37
Eagle Ford	1,446	1,448	2	5,736	5,862	126
Haynesville	25	26	1	8,681	8,748	67
Niobrara	1,189	1,190	1	4,458	4,474	16
Permian	555	546	(9)	1,225	1,225	-
Total	646	641	(5)	3,736	3,733	(3)

Source: Energy Information Administration, *Drilling Productivity Report*