

National Mining Association

Weekly Statistical Summary

October 5, 2018 Edition
(Data for Week Ending September 29, 2018)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 56, No. 39
Dated 10/05/18

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	09/29/18	09/30/17	% Chng	09/29/18	09/29/17	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,176	14,641	3.7%	562,408	578,373	-2.8%
52 Weeks Ended	756,250	793,103	-4.6%			
AAR Coal Rail Cars Loaded:	89,445	88,150	1.5%	3,276,280	3,305,261	-0.9%
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		
	09/29/18	09/30/17	% Chng	09/29/18	09/30/17	% Chng
EI Electric Total Output (Mil. Kwh)	75,251	78,690	-4.4%	3,149,043	3,028,502	4.0%
EI Coal Region Output (Mil. Kwh)	64,963	68,192	-4.7%	2,727,788	2,602,531	4.8%
AISI Raw Steel Output (000 Tons)	1,856	1,711	8.5%	70,469	67,425	4.5%

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)	
	09/28/18	09/21/18	% Chng	Wed.	09/26/18
Central App, 12,500 Btu, 1.2 SO ₂	\$74.30	\$74.30	0.0%	Henry Hub	3.13
Northern App, 13,000 Btu, < 3.0 SO ₂	58.20	58.20	0.0%	New York	2.85
Illinois Basin, 11,800, 5.0 SO ₂	35.95	34.70	3.6%	Chicago	2.89
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.10	12.10	0.0%	Cal.Comp.Avg.	2.75
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



EIA Estimated Weekly U.S. Coal Production Overview

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	9/29/2018 (week 39)	9/22/2018 (week 38)	9/30/2017 (week 39)	9/29/2018	9/29/2017	% Change	9/29/2018	9/30/2017	% Change
Alabama	265	274	209	10,917	9,572	14.0	14,024	12,355	13.5
Alaska	19	20	18	681	693	-1.8	945	919	2.8
Arizona	129	116	103	4,789	4,410	8.6	6,587	5,910	11.5
Arkansas	1	1	.	17	27	-36.1	17	38	-55.3
Colorado	267	260	235	10,521	11,271	-6.7	14,266	15,526	-8.1
Illinois	935	946	848	36,934	36,787	0.4	48,392	48,653	-0.5
Indiana	645	621	577	25,352	23,729	6.8	33,020	31,609	4.5
Kentucky Total	757	747	730	29,830	32,339	-7.8	39,753	44,331	-10.3
Eastern (KY)	351	357	314	13,437	14,080	-4.6	18,047	18,813	-4.1
Western (KY)	406	389	417	16,393	18,259	-10.2	21,706	25,518	-14.9
Louisiana	20	17	12	939	1,588	-40.9	1,428	2,439	-41.5
Maryland	28	31	32	1,045	1,304	-19.9	1,396	1,829	-23.7
Mississippi	42	35	34	1,889	2,017	-6.3	2,472	2,826	-12.5
Missouri	5	5	5	193	184	4.9	253	249	1.6
Montana	840	840	780	28,793	25,391	13.4	38,532	35,540	8.4
New Mexico	199	202	237	6,424	10,401	-38.2	9,190	14,326	-35.9
North Dakota	592	592	557	21,996	21,209	3.7	29,502	29,225	0.9
Ohio	181	180	177	6,455	7,035	-8.2	8,894	9,717	-8.5
Oklahoma	13	10	10	522	414	25.9	667	587	13.6
Pennsylvania Total	956	919	872	37,402	36,802	1.6	49,571	50,557	-2.0
Anthracite (PA)	35	36	31	1,341	1,392	-3.7	1,828	1,848	-1.1
Bituminous (PA)	921	883	841	36,061	35,410	1.8	47,744	48,709	-2.0
Tennessee	6	6	7	173	360	-51.9	244	512	-52.3
Texas	651	661	693	21,131	26,342	-19.8	31,037	37,217	-16.6
Utah	285	280	244	10,419	10,168	2.5	14,545	14,098	3.2
Virginia	249	247	244	9,680	10,442	-7.3	12,886	14,130	-8.8
West Virginia Total	1,902	1,860	1,608	72,562	68,320	6.2	96,834	91,073	6.3
Northern (WV)	884	821	776	33,725	34,319	-1.7	46,100	46,747	-1.4
Southern (WV)	1,018	1,039	833	38,837	34,001	14.2	50,734	44,325	14.5
Wyoming	6,187	6,067	6,409	223,744	237,569	-5.8	301,796	329,436	-8.4
Appalachian Total	3,939	3,875	3,463	151,671	147,914	2.5	201,894	198,986	1.5
Interior Total	2,718	2,686	2,596	103,370	109,346	-5.5	138,992	149,136	-6.8
Western Total	8,519	8,376	8,582	307,368	321,113	-4.3	415,364	444,981	-6.7
East of Mississippi River	5,967	5,866	5,339	232,239	228,706	1.5	307,484	307,593	s
West of Mississippi River	9,209	9,071	9,302	330,169	349,667	-5.6	448,766	485,510	-7.6
Bituminous and Lignite	15,141	14,901	14,610	561,067	576,981	-2.8	754,423	791,256	-4.7
Anthracite	35	36	31	1,341	1,392	-3.7	1,828	1,848	-1.1
U.S. Total	15,176	14,937	14,641	562,408	578,373	-2.8	756,250	793,103	-4.6
Railroad Cars Loaded	89,445	87,890	88,150	3,276,280	3,305,261	-0.9	4,389,112	4,551,972	-3.6

Source: Energy Information Administration



Weekly Electric Output

Volume 86 No. 39

OUTPUT FOR WEEK ENDED - Sep 29, 2018

Oct 03, 2018

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Sep 29, 2018 was 75,251 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 180 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended September 29		52 Weeks Ended September 29	
	GWh Output	% Increase Over Corresponding Week of 2017	GWh Output	% Increase Over Corresponding Period of 2017
New England	2,096	-14.5	122,662	1.8
Mid-Atlantic	7,581	-13.1	439,820	3.9
Central Industrial	11,299	-11.9	684,071	4.1
West Central	5,735	-9.6	337,517	3.9
Southeast	20,402	-0.9	1,048,550	4.0
South Central	14,223	-3.7	760,807	5.6
Rocky Mountain	5,723	15.8	280,687	0.6
Pacific Northwest	2,583	1.2	157,309	-1.2
Pacific Southwest	5,609	2.1	279,060	-1.5
Total United States	75,251	-4.4	4,110,483	3.4

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2018	Week Ended	2017	% Inc. (18/17)	52 Weeks Ended	2018	% Inc. (18/17)
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 29	75,251	Sep 30	78,690	-4.4	Sep 29	4,110,483	3.4
Sep 29	3,149,043	Sep 30	3,028,502	4.0	YEAR TO DATE, FIRST 39 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2018	Week Ended	2017	Week Ended	2016
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
Sep 29	180	Sep 30	193	Oct 01	180

* 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		
	29-Sep 2018 GWh Output	30-Sep 2017 GWh Output	% Increase Over Corresponding Week of 2017	29-Sep 2018 GWh Output	30-Sep 2017 GWh Output	% Increase Over Corresponding Week of 2017	29-Sep 2018 GWh Output	30-Sep 2017 GWh Output	% Increase Over Corresponding Week of 2017
New England	2,096	2,452	-14.5%	93,161	91,083	2.3%	122,662	120,473	1.8%
Mid-Atlantic	7,581	8,721	-13.1%	336,772	321,928	4.6%	439,820	423,356	3.9%
Central Industrial	11,299	12,819	-11.9%	523,780	497,983	5.2%	684,071	657,037	4.1%
West Central	5,735	6,341	-9.6%	257,990	246,416	4.7%	337,517	324,898	3.9%
Southeast	20,402	20,594	-0.9%	804,293	768,790	4.6%	1,048,550	1,008,070	4.0%
South Central	14,223	14,775	-3.7%	591,341	556,175	6.3%	760,807	720,514	5.6%
Rocky Mountain	5,723	4,942	15.8%	213,612	211,239	1.1%	280,687	279,003	0.6%
Pacific Northwest	2,583	2,553	1.2%	115,856	118,089	-1.9%	157,309	159,197	-1.2%
Pacific Southwest	5,609	5,493	2.1%	212,237	216,800	-2.1%	279,060	283,245	-1.5%
Total United States ^{1/}	<u>75,251</u>	<u>78,690</u>	-4.4%	<u>3,149,042</u>	<u>3,028,503</u>	<u>4.0%</u>	<u>4,110,483</u>	<u>3,975,793</u>	<u>3.4%</u>
Coal Regions Only ^{2/}	64,963	68,192	-4.7%	2,727,788	2,602,531	4.8%	3,551,452	3,412,878	4.1%

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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October 1, 2018

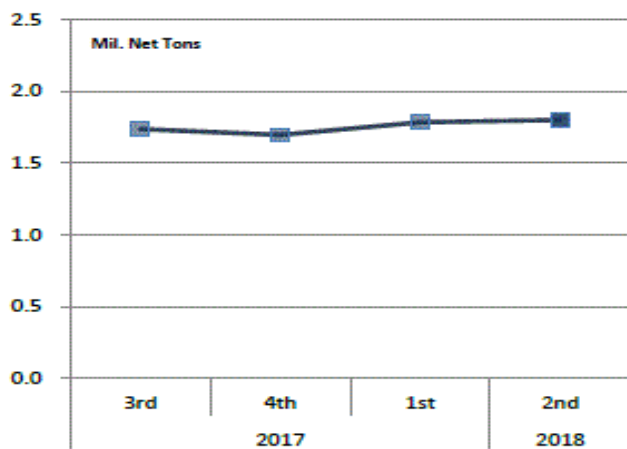
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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. 29</u>	<u>Week Ending Sep. 22</u>	
<u>Week Ending</u>				North East	228	218
				Great Lakes	689	695
September 29, 2018	1,856	-0.4	79.2	Midwest	187	202
September 29, 2017	1,711	8.5	73.4	Southern	670	664
September 22, 2018	1,863	0.1	79.5	Western	82	84
				Total	1,856	1,863
<u>Year-to-Date +</u>						
September 29, 2018	70,469	4.5	77.5			
September 29, 2017	67,425	-	74.4			

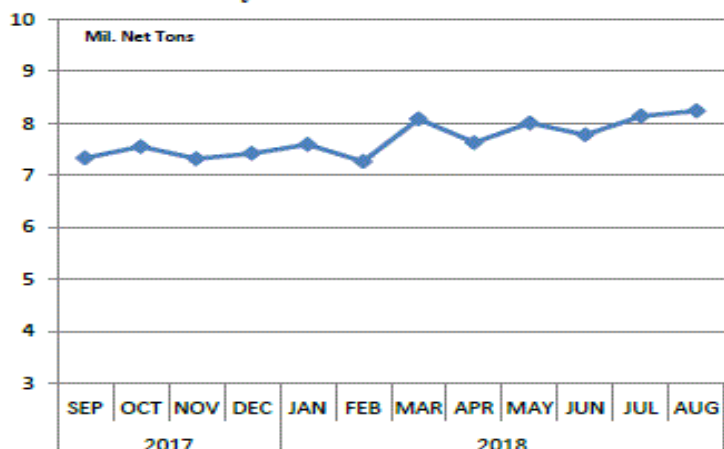
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 39, 2018 – Ended September 29, 2018

	This Week		Year-To-Date		
	Cars	vs 2017	Cumulative	Avg/wk ²	vs 2017
Total Carloads	272,306	0.5%	10,248,559	262,784	2.0%
Chemicals	33,047	4.4%	1,260,433	32,319	4.5%
Coal	89,445	1.5%	3,284,902	84,228	-1.0%
Farm Products excl. Grain, and Food	16,942	2.8%	631,634	16,196	2.7%
Forest Products	10,721	-2.9%	402,632	10,324	2.7%
Grain	21,870	-7.4%	897,398	23,010	4.4%
Metallic Ores and Metals	25,794	7.7%	911,765	23,379	3.1%
Motor Vehicles and Parts	16,656	-4.6%	643,993	16,513	-0.7%
Nonmetallic Minerals	35,391	-10.0%	1,417,657	36,350	2.6%
Petroleum and Petroleum Products	12,140	30.5%	423,085	10,848	14.7%
Other	10,300	4.1%	375,060	9,617	-0.3%
Total Intermodal Units	299,616	6.8%	10,832,004	277,744	6.0%
Total Traffic	571,922	3.7%	21,080,563	540,527	4.0%

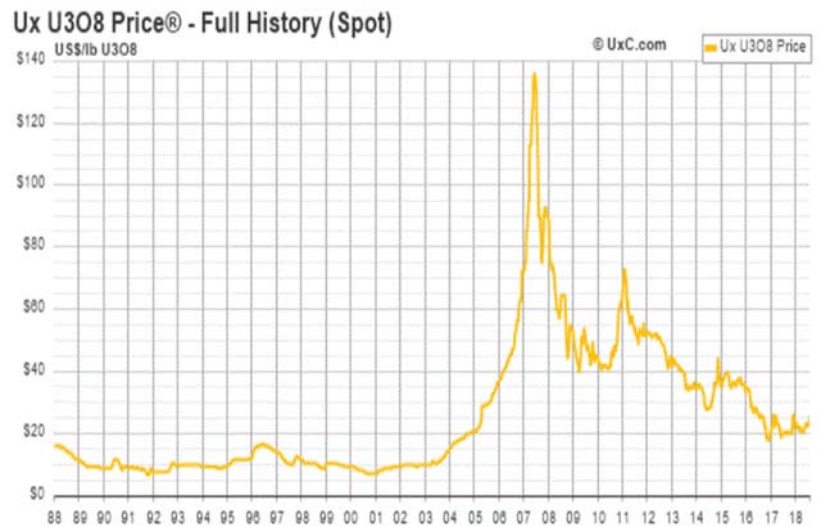
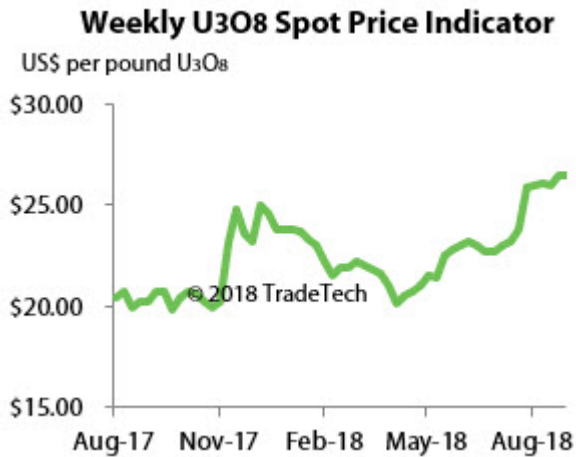
¹ Excludes U.S. operations of Canadian Pacific, CN and GMXT.

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>

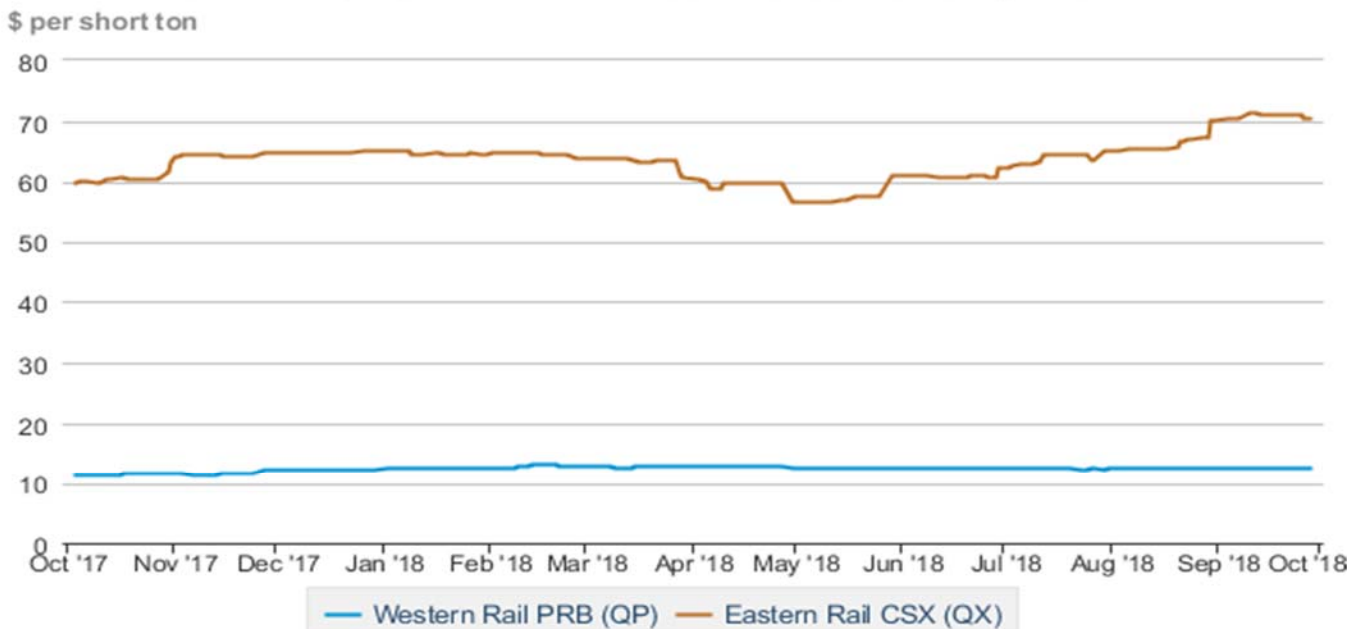
Trade Tech's and UX's Uranium Price Indicators

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 change
	08/31/18	09/07/18	09/14/18	09/21/18	09/28/18	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$73.20	\$75.45	\$74.30	\$74.30	\$74.30	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$56.45	\$58.20	\$58.20	\$58.20	\$58.20	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$32.70	\$32.70	\$33.45	\$34.70	\$35.95	\$1.25
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.15	\$12.10	\$12.10	\$12.10	\$12.10	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$41.00	\$40.85	\$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



eia Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Sep 20)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	5	-28	3	29	27	-2
Middle Atlantic	1	-24	-1	42	31	3
E N Central	1	-27	-3	59	47	24
W N Central	8	-26	-6	69	52	27
South Atlantic	0	-7	0	96	37	20
E S Central	0	-7	-1	101	55	34
W S Central	0	-2	0	111	33	3
Mountain	9	-29	-23	57	20	21
Pacific	9	-3	0	22	-8	15
United States	3	-17	-3	65	31	16

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)



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		% Change of Stocks
		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	-14.3%
	Subbituminous	172	197	129	166	33.6%	147	213	17.5%
South	Bituminous	19,630	66	28,498	75	-31.1%	21,552	62	-8.9%
	Subbituminous	5,481	52	5,709	55	-4.0%	6,246	55	-12.2%
Midwest	Bituminous	10,225	76	13,750	76	-25.6%	10,802	73	-5.3%
	Subbituminous	28,934	81	38,044	73	-23.9%	31,471	79	-8.1%
West	Bituminous	5,024	97	5,576	82	-9.9%	5,317	99	-5.5%
	Subbituminous	22,274	65	28,437	74	-21.7%	24,946	69	-10.7%
U.S. Total	Bituminous	37,801	74	51,738	76	-26.9%	41,080	70	-8.0%
	Subbituminous	56,861	70	72,319	72	-21.4%	62,809	72	-9.5%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

Working gas in underground storage

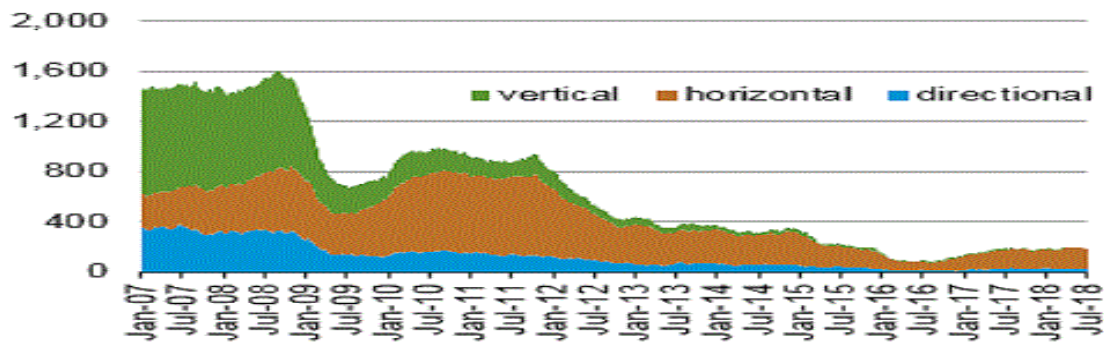
Region	Stocks billion cubic feet (Bcf)		
	2018-09-21	2018-09-14	change
East	729	709	20
Midwest	800	770	30
Mountain	173	170	3
Pacific	259	255	4
South Central	807	818	-11
Total	2,768	2,722	46

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*