

National Mining Association

Weekly Statistical Summary

November 16, 2018 Edition
(Data for Week Ending November 10, 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. 45
Dated 11/16/18

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	11/10/18	11/11/17	% Chng	11/10/18	11/11/17	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,318	14,904	-3.9%	650,330	668,803	-2.8%
52 Weeks Ended	754,198	789,507	-4.5%			
AAR Coal Rail Cars Loaded:	84,532	85,378	-1.0%	3,798,365	3,821,566	-0.6%
Coal Production Month Ended - Oct.	Oct 18/17		% Chng	Jan - Oct 18/17		% Chng
	65,354	66,368	-1.5%	629,578	647,044	-2.7%
DOC Coal Trade (000 Tons)						
Exports:	Sep 18/17		% Chng	Jan - Sep 18/17		% Chng
Metallurgical	4,085	5,435	-24.8%	46,341	40,466	14.5%
Steam *	5,383	3,393	58.7%	40,628	28,028	45.0%
Lignite	7	6	16.7%	65	59	10.2%
Anthracite	11	65	-83.1%	167	236	-29.2%
Total	9,486	8,899	6.6%	87,201	68,789	26.8%
Imports:	263	513	-48.7%	4,352	6,420	-32.2%
	Week Ended			Cumulative Week 1 to		
	11/10/18	11/11/17	% Chng	11/10/18	11/11/17	% Chng
EI Electric Total Output (Mil. Kwh)	71,553	72,411	-1.2%	3,579,925	3,458,445	3.5%
EI Coal Region Output (Mil. Kwh)	61,573	62,124	-0.9%	3,099,237	2,971,474	4.3%
AISI Raw Steel Output (000 Tons)	1,915	1,708	12.1%	81,809	77,661	5.3%

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)	
	11/09/18	11/02/18	% Chng	Wed.	11/07/18
Central App, 12,500 Btu, 1.2 SO ₂	\$78.95	\$78.95	0.0%	Henry Hub	3.51
Northern App, 13,000 Btu, < 3.0 SO ₂	60.85	60.85	0.0%	New York	3.55
Illinois Basin, 11,800, 5.0 SO ₂	37.70	37.70	0.0%	Chicago	3.68
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.00	12.00	0.0%	Cal.Comp.Avg.	3.46
Uinta Basin, 11,700 Btu, 0.8 SO ₂	40.55	40.55	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									
	Week Ended			Year to Date			52 Weeks Ended		
Coal-Producing Region & State (thousand short tons)	11/10/2018 (week 45)	11/3/2018 (week 44)	11/11/2017 (week 45)	11/10/2018	11/10/2017	% Change	11/10/2018	11/11/2017	% Change
Alabama	263	295	239	12,564	11,166	12.5	14,228	12,745	11.6
Alaska	19	20	20	799	815	-2.0	940	944	-0.4
Arizona	133	143	138	5,614	5,241	7.1	6,577	6,084	8.1
Arkansas	.	.	.	17	43	-60.0	17	49	-65.3
Colorado	243	258	288	12,018	13,003	-7.6	14,024	15,433	-9.1
Illinois	880	946	881	42,380	42,052	0.8	48,517	48,753	-0.5
Indiana	623	640	589	29,204	27,289	7.0	33,310	31,715	5.0
Kentucky Total	711	736	767	34,214	36,365	-5.9	39,556	43,129	-8.3
Eastern (KY)	336	352	358	15,512	15,659	-0.9	18,008	18,345	-1.8
Western (KY)	375	384	408	18,702	20,707	-9.7	21,548	24,784	-13.1
Louisiana	20	24	38	1,066	1,812	-41.2	1,328	2,296	-42.2
Maryland	25	26	31	1,197	1,588	-24.7	1,413	1,885	-25.0
Mississippi	39	40	45	2,131	2,286	-6.8	2,443	2,740	-10.8
Missouri	5	5	5	222	212	5.0	254	248	2.4
Montana	805	834	748	33,705	29,918	12.7	38,921	35,619	9.3
New Mexico	159	153	213	7,383	12,335	-40.1	8,864	14,564	-39.1
North Dakota	578	606	577	25,552	24,692	3.5	29,572	29,212	1.2
Ohio	173	180	188	7,522	8,157	-7.8	8,829	9,643	-8.4
Oklahoma	12	12	11	594	482	23.3	672	579	16.1
Pennsylvania Total	898	933	936	42,932	42,488	1.0	49,454	50,267	-1.6
Anthracite (PA)	34	35	37	1,548	1,647	-6.0	1,809	1,905	-5.0
Bituminous (PA)	864	899	898	41,384	40,841	1.3	47,645	48,361	-1.5
Tennessee	4	4	5	199	393	-49.4	236	477	-50.5
Texas	586	632	759	24,671	30,992	-20.4	29,962	37,096	-19.2
Utah	290	309	317	12,211	12,074	1.1	14,421	14,306	0.8
Virginia	231	238	246	11,104	11,953	-7.1	12,821	14,024	-8.6
West Virginia Total	1,852	1,966	1,866	84,003	79,577	5.6	97,005	92,400	5.0
Northern (WV)	865	918	951	39,066	40,003	-2.3	45,694	46,986	-2.7
Southern (WV)	987	1,048	915	44,937	39,574	13.6	51,311	45,414	13.0
Wyoming	5,770	5,961	5,998	259,031	273,871	-5.4	300,835	325,298	-7.5
Appalachian Total	3,782	3,994	3,869	175,032	170,981	2.4	201,994	199,787	1.1
Interior Total	2,539	2,684	2,736	118,987	125,873	-5.5	138,052	148,261	-6.9
Western Total	7,996	8,284	8,300	356,310	371,949	-4.2	414,152	441,459	-6.2
East of Mississippi River	5,699	6,004	5,792	267,449	263,314	1.6	307,812	307,779	s
West of Mississippi River	8,620	8,958	9,112	382,881	405,489	-5.6	446,386	481,728	-7.3
Bituminous and Lignite	14,285	14,927	14,866	648,782	667,156	-2.8	752,390	787,602	-4.5
Anthracite	34	35	37	1,548	1,647	-6.0	1,809	1,905	-5.0
U.S. Total	14,318	14,961	14,904	650,330	668,803	-2.8	754,198	789,507	-4.5
Railroad Cars Loaded	84,532	88,399	85,378	3,798,365	3,821,566	-0.6	4,395,256	4,521,498	-2.8

Source: Energy Information Administration



Weekly Electric Output

Volume 86 No. 45

OUTPUT FOR WEEK ENDED - Nov 10, 2018

Nov 14, 2018

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Nov 10, 2018** was **71,553** 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 November 10		52 Weeks Ended November 10	
	GWh Output	% Increase Over Corresponding Week of 2017	GWh Output	% Increase Over Corresponding Period of 2017
New England	2,117	-3.2	122,631	1.9
Mid-Atlantic	7,569	-1.3	440,304	3.8
Central Industrial	11,961	-1.0	684,901	4.0
West Central	6,138	-0.3	337,116	3.5
Southeast	17,999	-1.2	1,050,742	4.0
South Central	12,714	-0.7	760,565	5.4
Rocky Mountain	5,192	0.0	280,330	0.4
Pacific Northwest	2,951	-6.2	156,700	-2.1
Pacific Southwest	4,912	-0.9	278,133	-1.8
Total United States	71,553	-1.2	4,111,423	3.2

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2018	Week Ended	2017	% Inc. (18/17)	52 Weeks Ended	2018	% Inc. (18/17)
Oct 20	69,464	Oct 21	69,651	-0.3	Oct 20	4,113,582	3.4
Oct 27	68,635	Oct 28	68,634	0.0	Oct 27	4,113,582	3.4
Nov 03	68,752	Nov 04	70,053	-1.9	Nov 03	4,112,281	3.3
Nov 10	71,553	Nov 11	72,411	-1.2	Nov 10	4,111,423	3.2
Nov 10	3,579,925	Nov 11	3,458,445	3.5	YEAR TO DATE, FIRST 45 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2018	Week Ended	2017	Week Ended	2016
Oct 20	172	Oct 21	179	Oct 22	188
Oct 27	173	Oct 28	179	Oct 29	180
Nov 03	173	Nov 04	184	Nov 05	186
Nov 10	180	Nov 11	193	Nov 12	179

* 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		
	10-Nov 2018 GWh Output	11-Nov 2017 GWh Output	% Increase Over Corresponding Week of 2017	10-Nov 2018 GWh Output	11-Nov 2017 GWh Output	% Increase Over Corresponding Week of 2017	10-Nov 2018 GWh Output	11-Nov 2017 GWh Output	% Increase Over Corresponding Week of 2017
New England	2,117	2,187	-3.2%	105,777	103,730	2.0%	122,631	120,355	1.9%
Mid-Atlantic	7,569	7,669	-1.3%	382,208	366,880	4.2%	440,304	424,071	3.8%
Central Industrial	11,961	12,083	-1.0%	594,054	567,426	4.7%	684,901	658,402	4.0%
West Central	6,138	6,156	-0.3%	293,357	282,183	4.0%	337,116	325,783	3.5%
Southeast	17,999	18,220	-1.2%	915,769	878,075	4.3%	1,050,742	1,010,770	4.0%
South Central	12,714	12,805	-0.7%	669,762	634,838	5.5%	760,565	721,560	5.4%
Rocky Mountain	5,192	5,191	0.0%	244,087	242,072	0.8%	280,330	279,183	0.4%
Pacific Northwest	2,951	3,146	-6.2%	132,300	135,141	-2.1%	156,700	160,130	-2.1%
Pacific Southwest	4,912	4,954	-0.8%	242,610	248,100	-2.2%	278,133	283,328	-1.8%
Total United States ^{1/}	<u>71,553</u>	<u>72,411</u>	-1.2%	<u>3,579,924</u>	<u>3,458,445</u>	3.5%	<u>4,111,422</u>	<u>3,983,582</u>	3.2%
Coal Regions Only ^{2/}	61,573	62,124	-0.9%	3,099,237	2,971,474	4.3%	3,553,958	3,419,769	3.9%

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

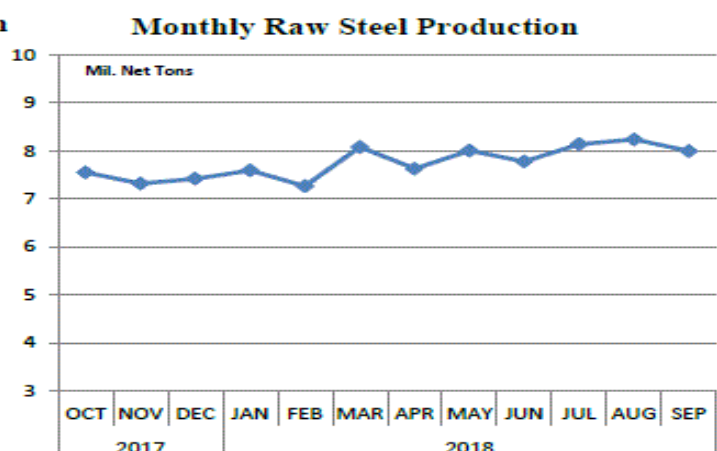
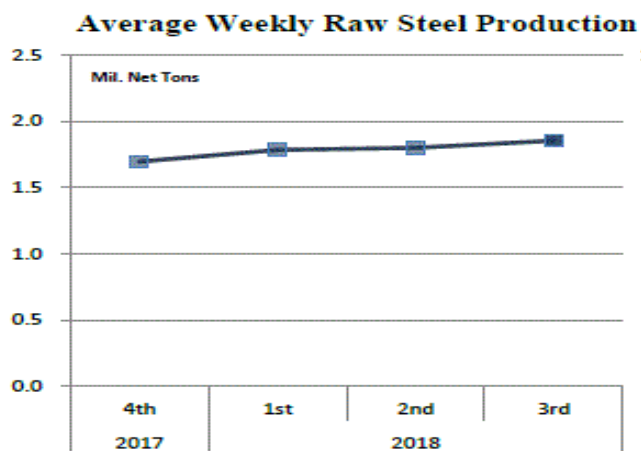
November 12, 2018

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 Nov. 10</u>	<u>Week Ending Nov. 3</u>	
<u>Week Ending</u>				North East	213	221
				Great Lakes	692	690
November 10, 2018	1,915	-0.1	81.7	Midwest	209	212
November 10, 2017	1,708	12.1	73.3	Southern	715	709
November 3, 2018	1,917	1.0	81.8	Western	86	85
				Total	1,915	1,917
<u>Year-to-Date +</u>						
November 10, 2018	81,809	5.3	77.9			
November 10, 2017	77,661	-	74.2			

*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 30.8 million tons for the third quarter of 2018.



*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 45, 2018 – Ended November 10, 2018

	This Week		Year-To-Date		
	Cars	vs 2017	Cumulative	Avg/wk ²	vs 2017
Total Carloads	261,875	0.1%	11,848,471	263,299	1.8%
Chemicals	31,431	2.6%	1,448,291	32,184	4.1%
Coal	84,532	-0.7%	3,806,988	84,600	-0.7%
Farm Products excl. Grain, and Food	16,435	-1.3%	731,764	16,261	2.3%
Forest Products	10,083	2.5%	463,507	10,300	2.6%
Grain	21,389	-6.4%	1,029,790	22,884	3.1%
Metallic Ores and Metals	23,038	1.6%	1,050,968	23,355	3.2%
Motor Vehicles and Parts	16,850	-0.2%	746,842	16,596	-0.7%
Nonmetallic Minerals	32,970	-10.5%	1,631,837	36,263	1.2%
Petroleum and Petroleum Products	13,352	29.5%	498,576	11,079	16.6%
Other	11,795	21.4%	439,908	9,776	1.2%
Total Intermodal Units	285,361	2.6%	12,561,279	279,140	5.7%
Total Traffic	547,236	1.4%	24,409,750	542,439	3.8%

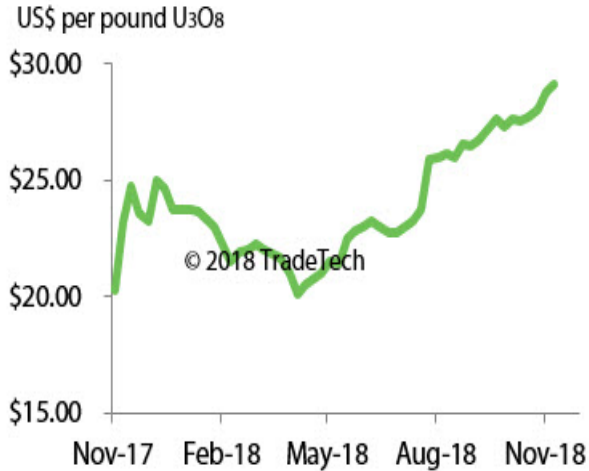
¹ Excludes U.S. operations of Canadian Pacific, CN and GMXT.

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

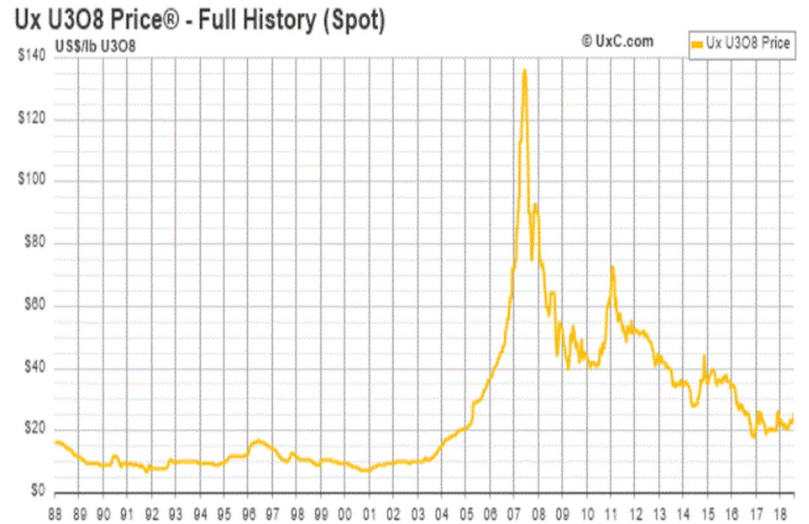
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

Trade Tech's and UX's Uranium Price Indicators

Weekly U3O8 Spot Price Indicator

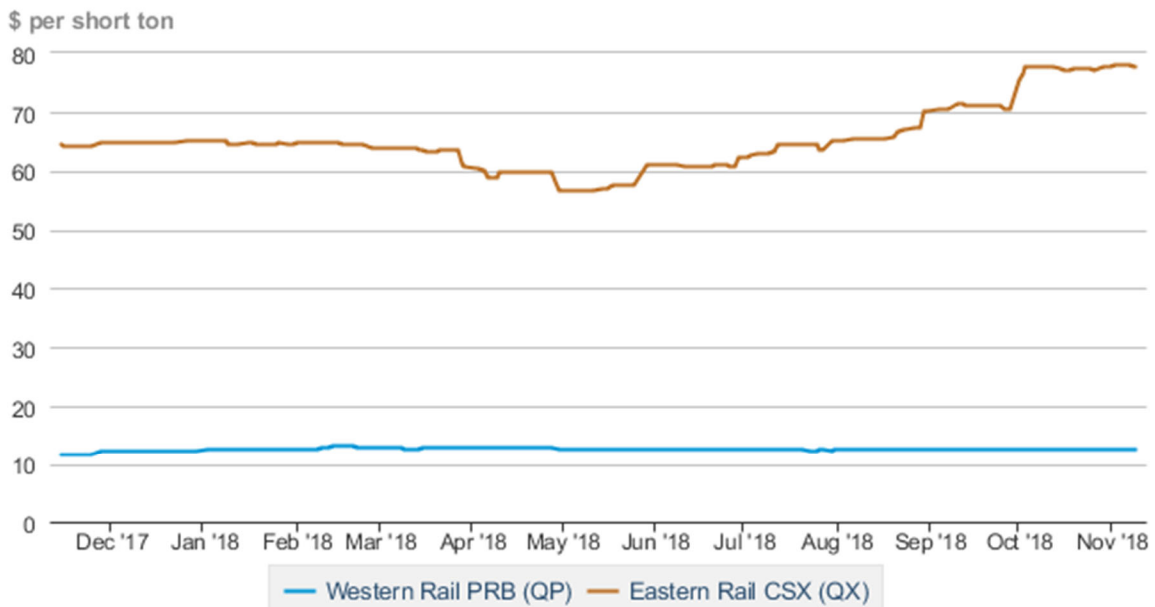


Ux U3O8 Price - Full History



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.

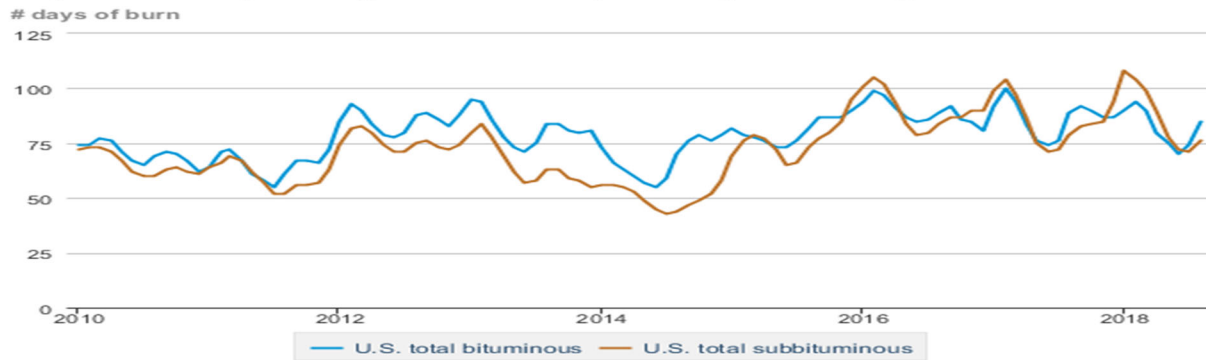
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	10/12/18	10/19/18	10/26/18	11/02/18	11/09/18	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$76.60	\$76.60	\$78.95	\$78.95	\$78.95	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$60.00	\$60.00	\$60.85	\$60.85	\$60.85	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$37.70	\$37.70	\$37.70	\$37.70	\$37.70	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.05	\$12.05	\$12.00	\$12.00	\$12.00	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.70	\$40.70	\$40.55	\$40.55	\$40.55	\$0.00

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

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



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Nov 01)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	145	17	62	0	0	0
Middle Atlantic	124	6	21	0	0	0
E N Central	124	-6	-43	0	-1	0
W N Central	111	-24	-74	0	-1	0
South Atlantic	71	-1	-11	15	-3	8
E S Central	56	-17	-48	3	0	3
W S Central	24	-14	-42	24	8	18
Mountain	96	-29	-12	8	3	-3
Pacific	23	-33	-6	5	3	-6
United States	86	-12	-21	7	1	3

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 - 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*.

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 (electric power sector)

Zone	Coal	August 2018		August 2017			July 2018		
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn	% Change of Stocks	Stocks (1000 tons)	Days of Burn	% Change of Stocks
Northeast	Bituminous	2,706	84	4,143	88	-34.7%	2,921	81	-7.4%
	Subbituminous	168	168	129	139	30.6%	172	197	-2.2%
South	Bituminous	18,970	83	27,973	91	-32.2%	19,630	67	-3.4%
	Subbituminous	4,739	54	5,362	59	-11.6%	5,481	52	-13.5%
Midwest	Bituminous	9,657	82	13,187	83	-26.8%	10,225	76	-5.6%
	Subbituminous	27,153	86	36,490	81	-25.6%	28,934	81	-6.2%
West	Bituminous	4,794	100	5,457	90	-12.1%	5,024	97	-4.6%
	Subbituminous	20,735	70	26,995	83	-23.2%	22,570	66	-8.1%
U.S. Total	Bituminous	36,127	85	50,760	89	-28.8%	37,801	74	-4.4%
	Subbituminous	52,796	76	68,976	79	-23.5%	57,157	71	-7.6%

Source: Energy Information Administration, *Electricity Monthly Update*

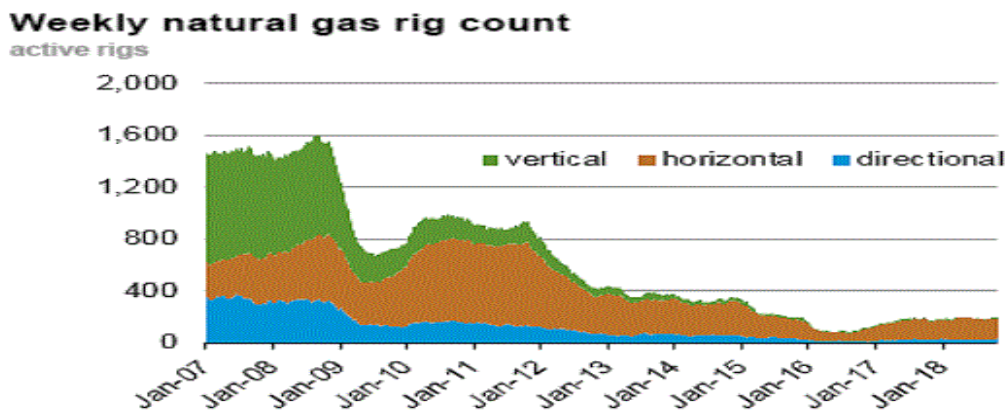
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2018-11-02	2018-10-26	change
East	831	826	5
Midwest	980	956	24
Mountain	182	180	2
Pacific	265	262	3
South Central	949	919	30
Total	3,208	3,143	65

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 Inc.

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		
	November 2018	December 2018	change	November 2018	December 2018	change
Anadarko	410	413	3	2,914	2,937	23
Appalachia	146	146	-	16,994	17,186	192
Bakken	1,557	1,575	18	1,991	2,035	44
Eagle Ford	1,433	1,453	20	5,914	6,026	112
Haynesville	27	27	-	8,613	8,650	37
Niobrara	1,204	1,208	4	4,381	4,386	5
Permian	595	613	18	1,235	1,235	-
Rig-weighted average	668	679	11	3,784	3,836	52

Source: Energy Information Administration, *Drilling Productivity Report*