

National Mining Association

Weekly Statistical Summary

November 23, 2018 Edition
(Data for Week Ending November 17, 2018)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 56, No. 46
Dated 11/23/18

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	11/17/18	11/18/17	% Chng	11/17/18	11/18/17	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,602	15,045	-2.9%	664,932	683,829	-2.8%
52 Weeks Ended	753,756	788,658	-4.4%			
AAR Coal Rail Cars Loaded:	86,159	86,185	0.0%	3,884,524	3,907,645	-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		
	11/17/18	11/18/17	% Chng	11/17/18	11/18/17	% Chng
EI Electric Total Output (Mil. Kwh)	77,175	72,678	6.2%	3,657,100	3,531,123	3.6%
EI Coal Region Output (Mil. Kwh)	66,788	62,280	7.2%	3,166,025	3,033,754	4.4%
AISI Raw Steel Output (000 Tons)	1,924	1,708	12.6%	83,733	79,369	5.5%

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)	
	11/16/18	11/09/18	% Chng	Wed.	11/14/18
Central App, 12,500 Btu, 1.2 SO ₂	\$78.95	\$78.95	0.0%	Henry Hub	4.59
Northern App, 13,000 Btu, < 3.0 SO ₂	61.85	60.85	1.6%	New York	5.12
Illinois Basin, 11,800, 5.0 SO ₂	38.95	37.70	3.3%	Chicago	4.61
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.00	12.00	0.0%	Cal.Comp.Avg.	5.05
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



THE AMERICAN RESOURCE

National Mining Association Web Site: [http:// www.nma.org](http://www.nma.org)

EIA Estimated Weekly U.S. Coal Production Overview

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	11/17/2018 (week 46)	11/10/2018 (week 45)	11/18/2017 (week 46)	11/17/2018	11/17/2017	% Change	11/17/2018	11/18/2017	% Change
Alabama	266	263	241	12,829	11,406	12.5	14,252	12,779	11.5
Alaska	19	19	20	818	836	-2.1	939	947	-0.8
Arizona	135	133	139	5,749	5,380	6.9	6,573	6,113	7.5
Arkansas	.	.	.	17	43	-60.0	17	48	-64.6
Colorado	246	243	291	12,264	13,293	-7.7	13,980	15,403	-9.2
Illinois	894	880	889	43,274	42,940	0.8	48,522	48,761	-0.5
Indiana	662	623	595	29,866	27,883	7.1	33,378	31,728	5.2
Kentucky Total	742	711	774	34,956	37,138	-5.9	39,524	43,011	-8.1
Eastern (KY)	347	336	362	15,859	16,020	-1.0	17,994	18,353	-2.0
Western (KY)	395	375	412	19,097	21,118	-9.6	21,530	24,658	-12.7
Louisiana	19	20	38	1,085	1,849	-41.3	1,309	2,270	-42.3
Maryland	25	25	31	1,222	1,620	-24.5	1,407	1,877	-25.0
Mississippi	42	39	45	2,173	2,331	-6.8	2,439	2,725	-10.5
Missouri	5	5	5	227	216	5.1	255	248	2.8
Montana	814	805	756	34,519	30,673	12.5	38,979	35,625	9.4
New Mexico	165	159	215	7,547	12,549	-39.9	8,814	14,484	-39.1
North Dakota	592	578	582	26,144	25,274	3.4	29,582	29,200	1.3
Ohio	180	173	189	7,702	8,347	-7.7	8,820	9,637	-8.5
Oklahoma	12	12	11	606	493	22.9	673	577	16.6
Pennsylvania Total	930	898	945	43,862	43,431	1.0	49,440	50,187	-1.5
Anthracite (PA)	35	34	38	1,583	1,684	-6.0	1,806	1,909	-5.4
Bituminous (PA)	895	864	907	42,279	41,747	1.3	47,633	48,277	-1.3
Tennessee	4	4	5	203	398	-49.1	235	472	-50.2
Texas	543	586	766	25,214	31,758	-20.6	29,739	37,059	-19.8
Utah	296	290	320	12,507	12,394	0.9	14,397	14,333	0.4
Virginia	242	231	249	11,345	12,202	-7.0	12,814	14,000	-8.5
West Virginia Total	1,897	1,852	1,883	85,900	81,458	5.5	97,019	92,600	4.8
Northern (WV)	884	865	960	39,950	40,961	-2.5	45,618	47,028	-3.0
Southern (WV)	1,013	987	923	45,950	40,497	13.5	51,401	45,571	12.8
Wyoming	5,871	5,770	6,055	264,902	279,918	-5.4	300,651	324,575	-7.4
Appalachian Total	3,892	3,782	3,905	178,924	174,881	2.3	201,980	199,904	1.0
Interior Total	2,571	2,539	2,761	121,558	128,631	-5.5	137,862	148,074	-6.9
Western Total	8,139	7,996	8,378	364,450	380,317	-4.2	413,914	440,680	-6.1
East of Mississippi River	5,884	5,699	5,846	273,333	269,153	1.6	307,850	307,776	s
West of Mississippi River	8,718	8,620	9,198	391,599	414,676	-5.6	445,906	480,882	-7.3
Bituminous and Lignite	14,567	14,285	15,007	663,349	682,145	-2.8	751,950	786,748	-4.4
Anthracite	35	34	38	1,583	1,684	-6.0	1,806	1,909	-5.4
U.S. Total	14,602	14,318	15,045	664,932	683,829	-2.8	753,756	788,658	-4.4
Railroad Cars Loaded	86,159	84,532	86,185	3,884,524	3,907,645	-0.6	4,395,230	4,515,499	-2.7

Source: Energy Information Administration



Weekly Electric Output

Volume 86 No. 46

OUTPUT FOR WEEK ENDED - Nov 17, 2018

Nov 21, 2018

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Nov 17, 2018** was **77,175** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **191** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended November 17		52 Weeks Ended November 17	
	GWh Output	% Increase Over Corresponding Week of 2017	GWh Output	% Increase Over Corresponding Period of 2017
New England	2,294	0.0	122,630	1.8
Mid-Atlantic	8,201	2.9	440,535	3.8
Central Industrial	13,110	4.6	685,479	4.0
West Central	6,432	6.1	337,485	3.5
Southeast	19,979	8.7	1,052,333	4.0
South Central	13,901	12.4	762,097	5.5
Rocky Mountain	5,165	4.2	280,537	0.4
Pacific Northwest	3,171	2.2	156,769	-2.2
Pacific Southwest	4,922	-1.6	278,055	-1.9
Total United States	77,175	6.2	4,115,919	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 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 17	77,175	Nov 18	72,678	6.2	Nov 17	4,115,919	3.2
Nov 17	3,657,100	Nov 18	3,531,123	3.6	YEAR TO DATE, FIRST 46 WEEKS		

WEEKLY ELECTRIC OUTPUT INDEX--TOTAL U.S.*
SEASONALLY ADJUSTED 1982 = 100

Week Ended	2018	Week Ended	2017	Week Ended	2016
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
Nov 17	191	Nov 18	190	Nov 19	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		
	17-Nov 2018 GWh Output	18-Nov 2017 GWh Output	% Increase Over Corresponding Week of 2017	17-Nov 2018 GWh Output	18-Nov 2017 GWh Output	% Increase Over Corresponding Week of 2017	17-Nov 2018 GWh Output	18-Nov 2017 GWh Output	% Increase Over Corresponding Week of 2017
New England	2,294	2,295	0.0%	108,071	106,025	1.9%	122,630	120,499	1.8%
Mid-Atlantic	8,201	7,969	2.9%	390,409	374,849	4.2%	440,535	424,565	3.8%
Central Industrial	13,110	12,533	4.6%	607,164	579,959	4.7%	685,479	659,116	4.0%
West Central	6,432	6,063	6.1%	299,789	288,246	4.0%	337,485	326,209	3.5%
Southeast	19,979	18,388	8.7%	935,748	896,463	4.4%	1,052,333	1,011,659	4.0%
South Central	13,901	12,369	12.4%	683,663	647,207	5.6%	762,097	722,443	5.5%
Rocky Mountain	5,165	4,958	4.2%	249,252	247,030	0.9%	280,537	279,328	0.4%
Pacific Northwest	3,171	3,102	2.2%	135,471	138,243	-2.0%	156,769	160,225	-2.2%
Pacific Southwest	4,922	5,001	-1.6%	247,532	253,101	-2.2%	278,055	283,382	-1.9%
Total United States ^{1/}	<u>77,175</u>	<u>72,678</u>	6.2%	<u>3,657,099</u>	<u>3,531,123</u>	3.6%	4,115,920	3,987,426	3.2%
Coal Regions Only ^{2/}	66,788	62,280	7.2%	3,166,025	3,033,754	4.4%	3,558,466	3,423,320	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*.

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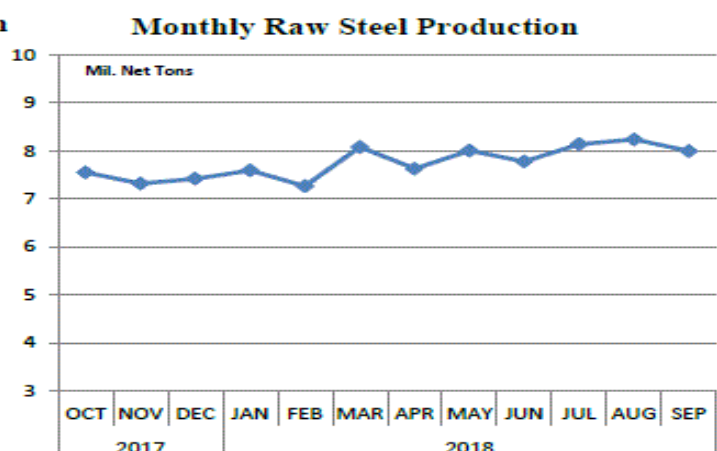
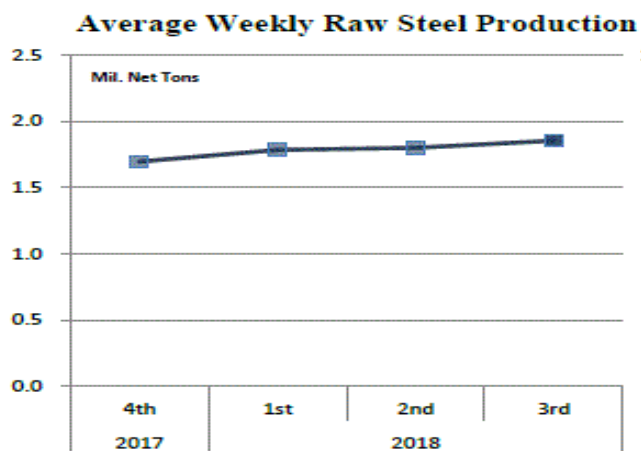
November 19, 2018

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. 17</u>	<u>Nov. 10</u>	
<u>Week Ending</u>				North East	225	213
				Great Lakes	711	692
November 17, 2018	1,924	0.5	82.1	Midwest	214	209
November 17, 2017	1,708	12.6	73.3	Southern	692	715
November 10, 2018	1,915	-0.1	81.7	Western	82	86
				Total	1,924	1,915
<u>Year-to-Date +</u>						
November 17, 2018	83,733	5.5	78.0			
November 17, 2017	79,369	-	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 46, 2018 – Ended November 17, 2018

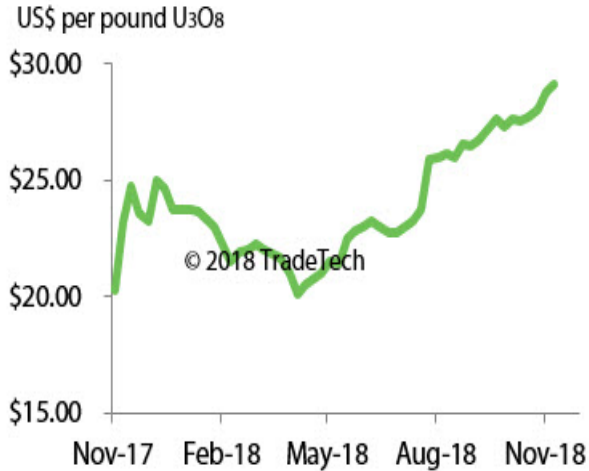
	This Week		Year-To-Date		
	Cars	vs 2017	Cumulative	Avg/wk ²	vs 2017
Total Carloads	262,514	-1.1%	12,110,985	263,282	1.8%
Chemicals	31,796	-0.4%	1,480,087	32,176	4.0%
Coal	86,159	-0.2%	3,893,147	84,634	-0.7%
Farm Products excl. Grain, and Food	16,141	-3.7%	747,905	16,259	2.1%
Forest Products	9,541	-5.4%	473,048	10,284	2.5%
Grain	23,601	7.6%	1,053,391	22,900	3.2%
Metallic Ores and Metals	23,476	-0.9%	1,074,444	23,357	3.1%
Motor Vehicles and Parts	16,018	-11.1%	762,860	16,584	-0.9%
Nonmetallic Minerals	33,262	-9.5%	1,665,099	36,198	0.9%
Petroleum and Petroleum Products	12,623	24.0%	511,199	11,113	16.8%
Other	9,897	1.7%	449,805	9,778	1.2%
Total Intermodal Units	284,027	1.1%	12,845,306	279,246	5.6%
Total Traffic	546,541	0.0%	24,956,291	542,528	3.7%

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.

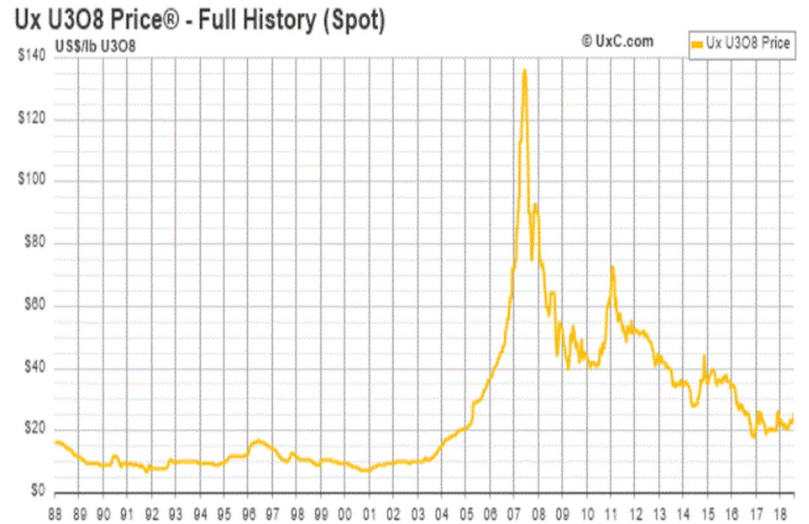
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

Trade Tech's and UX's Uranium Price Indicators

Weekly U3O8 Spot Price Indicator

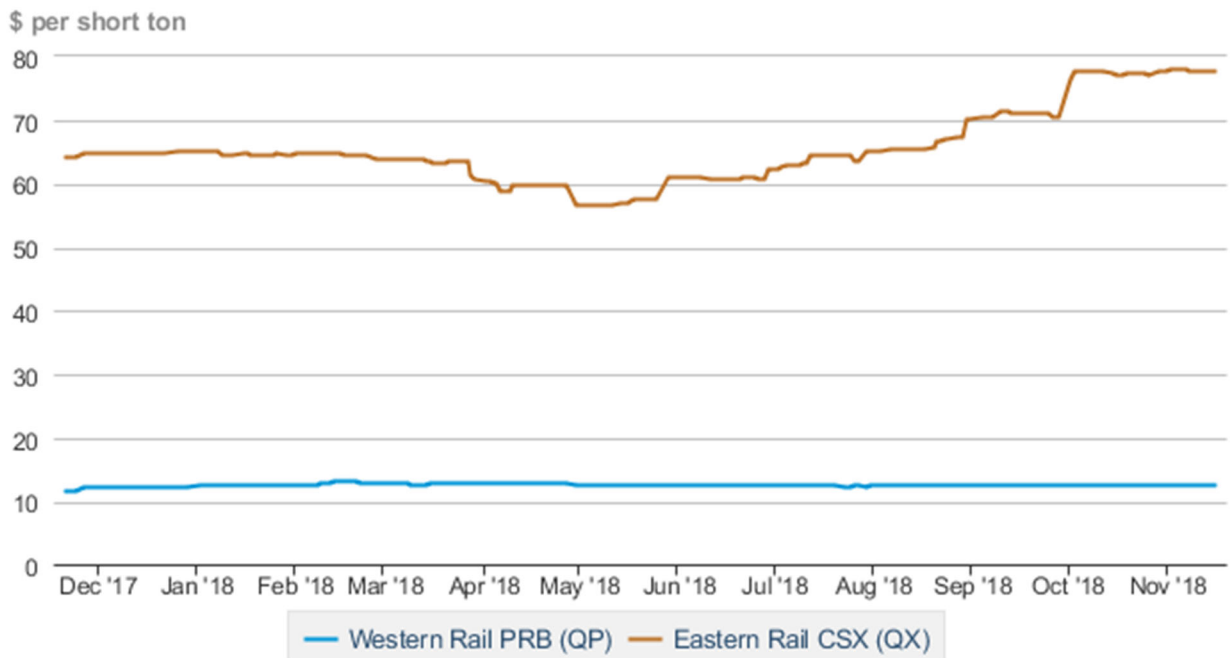


Ux U3O8 Price - Full History



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

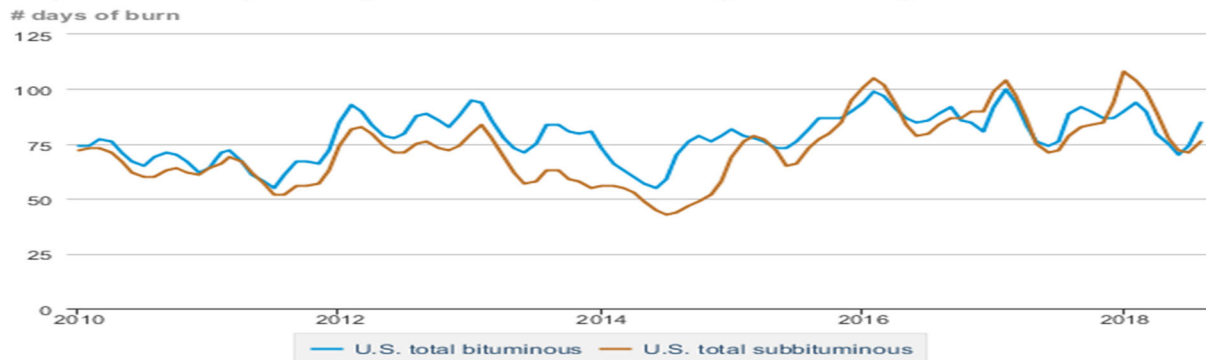
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Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	10/19/18	10/26/18	11/02/18	11/09/18	11/16/18	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$76.60	\$78.95	\$78.95	\$78.95	\$78.95	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$60.00	\$60.85	\$60.85	\$60.85	\$61.85	\$1.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$37.70	\$37.70	\$37.70	\$37.70	\$38.95	\$1.25
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.05	\$12.00	\$12.00	\$12.00	\$12.00	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.70	\$40.55	\$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 08)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	105	-36	1	0	0	0
Middle Atlantic	102	-30	0	0	0	0
E N Central	152	4	15	0	0	0
W N Central	179	19	-6	0	0	0
South Atlantic	62	-22	17	23	7	2
E S Central	75	-10	46	1	-1	-14
W S Central	38	-12	15	19	8	-25
Mountain	137	-8	8	4	2	-1
Pacific	29	-38	-49	4	2	4
United States	99	-14	1	7	2	-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*

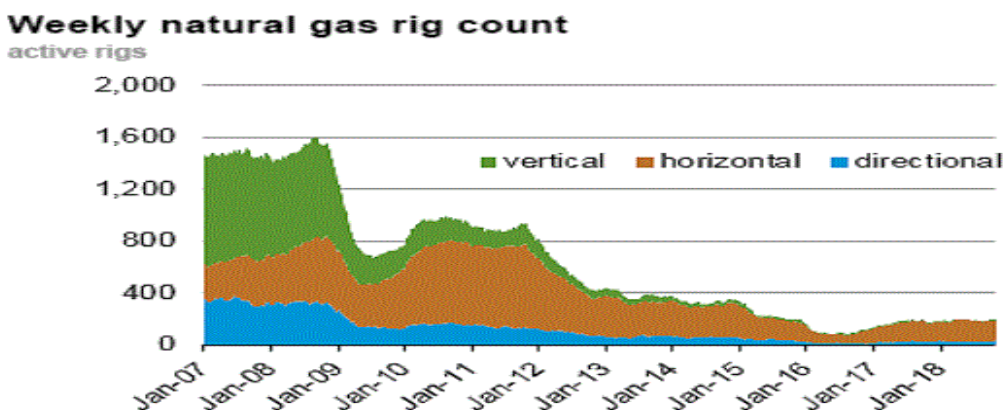
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2018-11-09	2018-11-02	change
East	835	831	4
Midwest	991	980	11
Mountain	181	182	-1
Pacific	266	265	1
South Central	974	949	25
Total	3,247	3,208	39

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*