

National Mining Association

Weekly Statistical Summary

November 30, 2018 Edition
(Data for Week Ending November 24, 2018)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 56, No. 47
Dated 11/30/18

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	11/24/18	11/25/17	% Chng	11/24/18	11/25/17	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	13,924	14,199	-1.9%	678,855	698,138	-2.8%
52 Weeks Ended	753,481	786,520	-4.2%			
AAR Coal Rail Cars Loaded:	82,121	81,340	1.0%	3,966,645	3,989,613	-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		
	11/24/18	11/25/17	% Chng	11/24/18	11/25/17	% Chng
EI Electric Total Output (Mil. Kwh)	72,136	69,503	3.8%	3,729,235	3,600,626	3.6%
EI Coal Region Output (Mil. Kwh)	61,941	59,493	4.1%	3,227,966	3,093,247	4.4%
AISI Raw Steel Output (000 Tons)	1,906	1,708	11.6%	85,639	81,077	5.6%

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)	
	11/23/18	11/16/18	% 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	61.85	0.0%	New York	5.12
Illinois Basin, 11,800, 5.0 SO ₂	38.95	38.95	0.0%	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



EIA Estimated Weekly U.S. Coal Production Overview

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	11/24/2018 (week 47)	11/17/2018 (week 46)	11/25/2017 (week 47)	11/24/2018	11/24/2017	% Change	11/24/2018	11/25/2017	% Change
Alabama	274	266	227	13,104	11,635	12.6	14,299	12,793	11.8
Alaska	19	19	19	837	855	-2.1	938	949	-1.2
Arizona	133	135	132	5,882	5,512	6.7	6,574	6,131	7.2
Arkansas	.	.	.	17	43	-60.0	17	48	-64.6
Colorado	240	246	274	12,504	13,570	-7.9	13,945	15,349	-9.1
Illinois	880	894	839	44,154	43,785	0.8	48,563	48,693	-0.3
Indiana	595	662	561	30,461	28,448	7.1	33,412	31,691	5.4
Kentucky Total	685	742	730	35,641	37,874	-5.9	39,479	42,825	-7.8
Eastern (KY)	328	347	341	16,187	16,364	-1.1	17,981	18,331	-1.9
Western (KY)	357	395	389	19,454	21,510	-9.6	21,499	24,493	-12.2
Louisiana	22	19	36	1,107	1,886	-41.3	1,296	2,240	-42.1
Maryland	24	25	30	1,246	1,649	-24.5	1,401	1,867	-25.0
Mississippi	38	42	43	2,210	2,374	-6.9	2,434	2,706	-10.1
Missouri	5	5	4	232	221	5.0	255	247	3.2
Montana	776	814	713	35,294	31,391	12.4	39,042	35,567	9.8
New Mexico	142	165	202	7,689	12,753	-39.7	8,753	14,383	-39.1
North Dakota	564	592	550	26,708	25,828	3.4	29,596	29,138	1.6
Ohio	167	180	179	7,869	8,527	-7.7	8,809	9,614	-8.4
Oklahoma	12	12	11	618	504	22.5	674	575	17.2
Pennsylvania Total	869	930	892	44,731	44,330	0.9	49,417	50,025	-1.2
Anthracite (PA)	32	35	36	1,615	1,720	-6.1	1,803	1,910	-5.6
Bituminous (PA)	836	895	856	43,116	42,609	1.2	47,614	48,115	-1.0
Tennessee	4	4	5	207	403	-48.7	234	465	-49.7
Texas	589	543	723	25,803	32,487	-20.6	29,604	36,956	-19.9
Utah	288	296	302	12,794	12,699	0.8	14,382	14,334	0.3
Virginia	222	242	235	11,567	12,438	-7.0	12,800	13,954	-8.3
West Virginia Total	1,829	1,897	1,777	87,730	83,249	5.4	97,071	92,647	4.8
Northern (WV)	854	884	906	40,804	41,874	-2.6	45,566	46,991	-3.0
Southern (WV)	975	1,013	871	46,926	41,375	13.4	51,505	45,656	12.8
Wyoming	5,548	5,871	5,715	270,450	285,677	-5.3	300,484	323,323	-7.1
Appalachian Total	3,717	3,892	3,686	182,641	178,595	2.3	202,012	199,697	1.2
Interior Total	2,497	2,571	2,606	124,056	131,258	-5.5	137,753	147,650	-6.7
Western Total	7,709	8,139	7,907	372,159	388,285	-4.2	413,716	439,174	-5.8
East of Mississippi River	5,587	5,884	5,518	278,920	274,713	1.5	307,920	307,281	0.2
West of Mississippi River	8,336	8,718	8,681	399,935	423,425	-5.5	445,561	479,239	-7.0
Bituminous and Lignite	13,891	14,567	14,163	677,240	696,418	-2.8	751,678	784,610	-4.2
Anthracite	32	35	36	1,615	1,720	-6.1	1,803	1,910	-5.6
U.S. Total	13,924	14,602	14,199	678,855	698,138	-2.8	753,481	786,520	-4.2
Railroad Cars Loaded	82,121	86,159	81,340	3,966,645	3,989,613	-0.6	4,396,011	4,502,088	-2.4

Source: Energy Information Administration



Weekly Electric Output

Volume 86 No. 47

OUTPUT FOR WEEK ENDED - Nov 24, 2018

Nov 28, 2018

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Nov 24, 2018** was **72,136** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **178** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended November 24		52 Weeks Ended November 24	
	GWh Output	% Increase Over Corresponding Week of 2017	GWh Output	% Increase Over Corresponding Period of 2017
New England	2,356	8.9	122,823	2.0
Mid-Atlantic	8,225	7.7	441,123	3.9
Central Industrial	12,197	2.5	685,781	4.0
West Central	5,971	4.5	337,744	3.5
Southeast	18,222	1.6	1,052,614	4.0
South Central	12,702	6.0	762,812	5.5
Rocky Mountain	4,624	6.9	280,837	0.5
Pacific Northwest	3,122	7.5	156,988	-2.0
Pacific Southwest	4,717	-4.6	277,829	-2.0
Total United States	72,136	3.8	4,118,551	3.3

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2018	Week Ended	2017	% Inc. (18/17)	52 Weeks Ended	2018	% Inc. (18/17)
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 24	72,136	Nov 25	69,503	3.8	Nov 24	4,118,551	3.3
Nov 24	3,729,235	Nov 25	3,600,626	3.6	YEAR TO DATE, FIRST 47 WEEKS		

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

Week Ended	2018	Week Ended	2017	Week Ended	2016
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
Nov 24	178	Nov 25	181	Nov 26	176

* 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		
	24-Nov 2018 GWh Output	25-Nov 2017 GWh Output	% Increase Over Corresponding Week of 2017	24-Nov 2018 GWh Output	25-Nov 2017 GWh Output	% Increase Over Corresponding Week of 2017	24-Nov 2018 GWh Output	25-Nov 2017 GWh Output	% Increase Over Corresponding Week of 2017
New England	2,356	2,164	8.9%	110,427	108,189	2.1%	122,823	120,416	2.0%
Mid-Atlantic	8,225	7,637	7.7%	398,634	382,486	4.2%	441,123	424,416	3.9%
Central Industrial	12,197	11,893	2.6%	619,361	591,852	4.6%	685,781	659,108	4.0%
West Central	5,971	5,712	4.5%	305,760	293,958	4.0%	337,744	326,306	3.5%
Southeast	18,222	17,940	1.6%	953,970	914,403	4.3%	1,052,614	1,012,273	4.0%
South Central	12,702	11,987	6.0%	696,365	659,194	5.6%	762,812	723,040	5.5%
Rocky Mountain	4,624	4,324	6.9%	253,876	251,354	1.0%	280,837	279,421	0.5%
Pacific Northwest	3,122	2,904	7.5%	138,593	141,147	-1.8%	156,988	160,195	-2.0%
Pacific Southwest	4,717	4,942	-4.6%	252,249	258,043	-2.2%	277,829	283,548	-2.0%
Total United States ^{1/}	<u>72,136</u>	<u>69,503</u>	3.8%	<u>3,729,235</u>	<u>3,600,626</u>	3.6%	4,118,551	3,988,723	3.3%
Coal Regions Only ^{2/}	61,941	59,493	4.1%	3,227,966	3,093,247	4.4%	3,560,911	3,424,564	4.0%

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 26, 2018

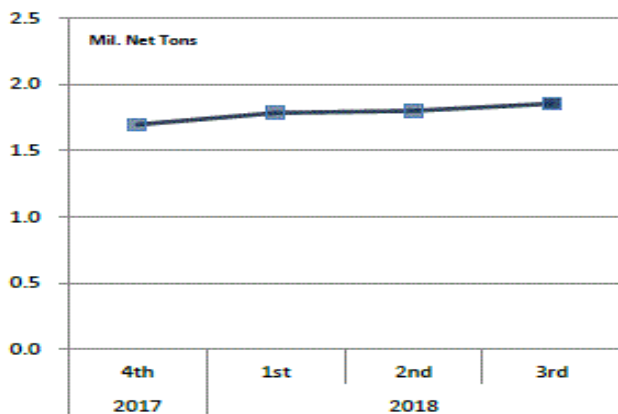
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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. 24</u>	<u>Week Ending Nov. 17</u>	
<u>Week Ending</u>				North East	222	225
				Great Lakes	712	711
November 24, 2018	1,906	-0.9	81.3	Midwest	207	214
November 24, 2017	1,708	11.6	73.3	Southern	683	692
November 17, 2018	1,924	0.5	82.1	Western	82	82
				Total	1,906	1,924
<u>Year-to-Date +</u>						
November 24, 2018	85,639	5.6	78.1			
November 24, 2017	81,077	-	74.2			

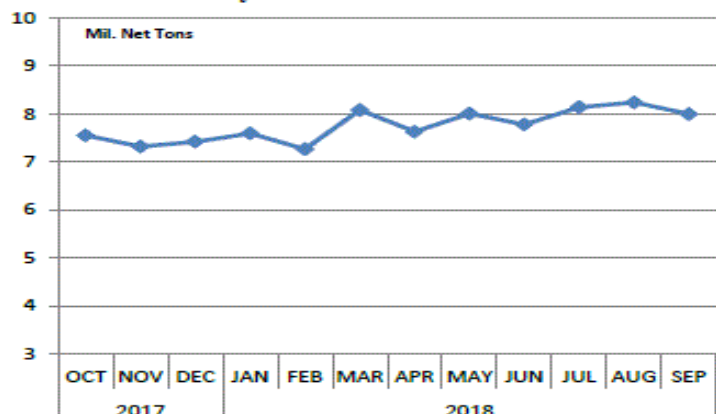
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

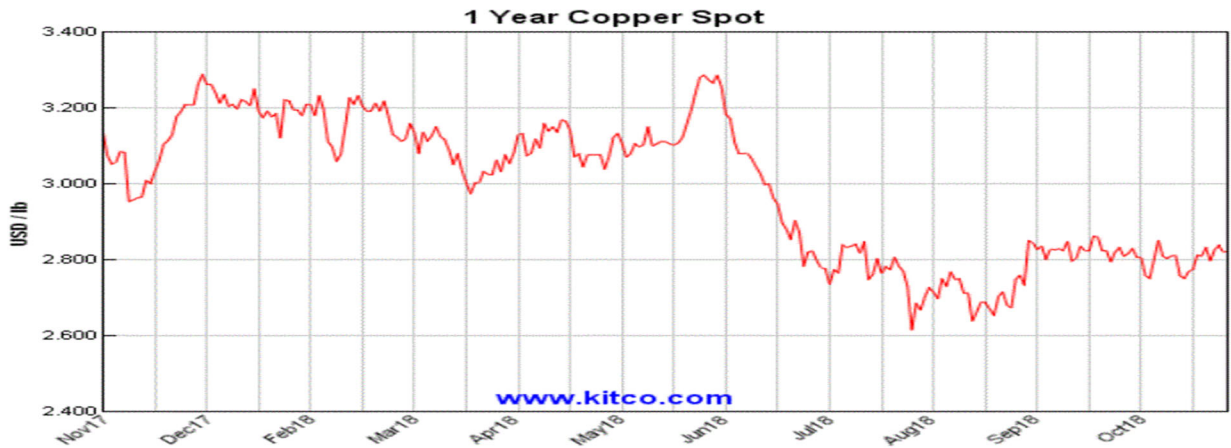
Average Weekly Raw Steel Production



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 47, 2018 – Ended November 24, 2018

	This Week		Year-To-Date		
	Cars	vs 2017	Cumulative	Avg/wk ²	vs 2017
Total Carloads	232,954	1.7%	12,343,939	262,637	1.8%
Chemicals	27,851	3.1%	1,507,938	32,084	4.0%
Coal	82,121	0.8%	3,975,268	84,580	-0.6%
Farm Products excl. Grain, and Food	14,013	-3.2%	761,918	16,211	2.0%
Forest Products	9,353	3.5%	482,401	10,264	2.5%
Grain	20,061	7.3%	1,073,452	22,839	3.2%
Metallic Ores and Metals	20,513	3.8%	1,094,957	23,297	3.1%
Motor Vehicles and Parts	14,132	-1.4%	776,992	16,532	-0.9%
Nonmetallic Minerals	25,346	-11.0%	1,690,445	35,967	0.7%
Petroleum and Petroleum Products	12,329	39.7%	523,528	11,139	17.3%
Other	7,235	1.8%	457,040	9,724	1.2%
Total Intermodal Units	237,897	4.3%	13,083,203	278,366	5.6%
Total Traffic	470,851	3.0%	25,427,142	541,003	3.7%

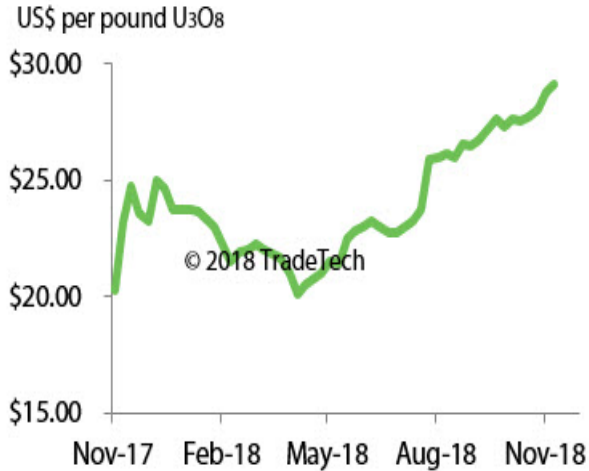
¹ Excludes U.S. operations of Canadian Pacific, CN and GMXT.

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

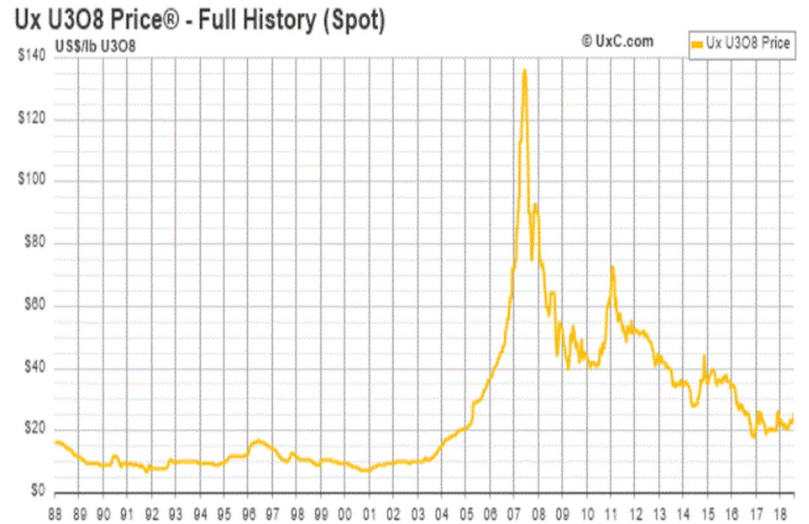
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

Trade Tech's and UX's Uranium Price Indicators

Weekly U3O8 Spot Price Indicator

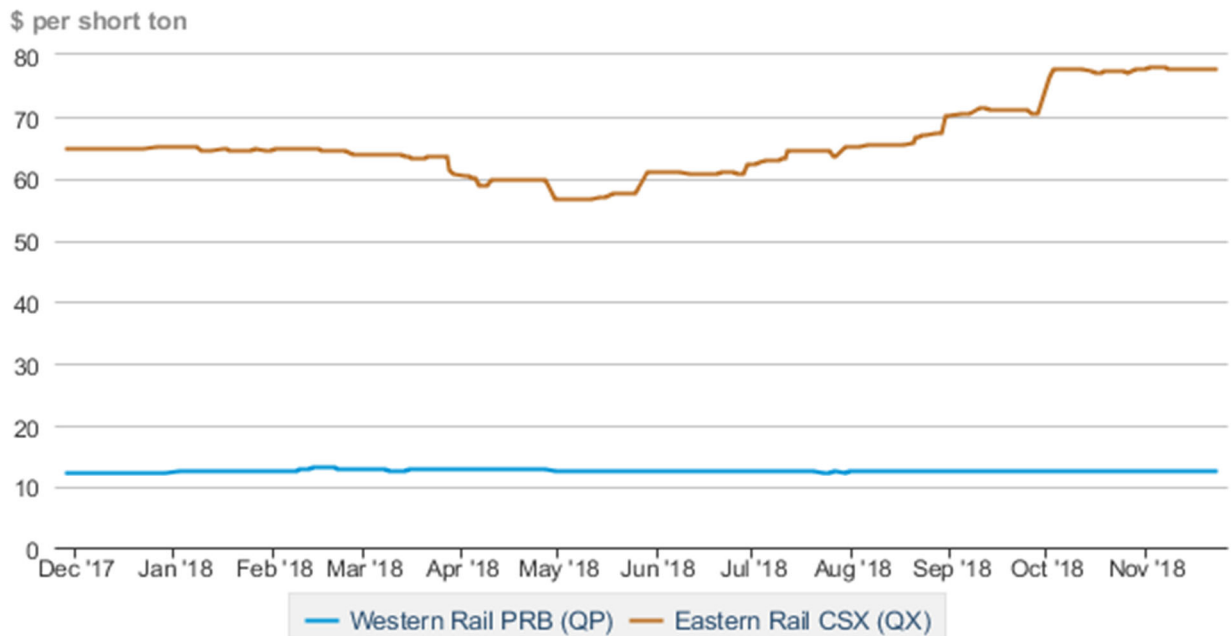


Ux U3O8 Price - Full History



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



eia Source: The New York Mercantile Exchange (NYMEX), Daily Energy Bulletin.

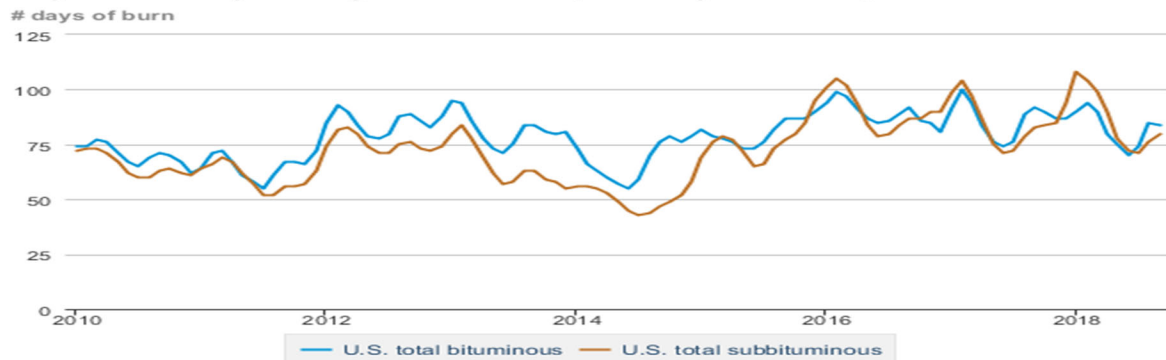
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	10/26/18	11/02/18	11/09/18	11/16/18	11/23/18	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$78.95	\$78.95	\$78.95	\$78.95	\$78.95	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$60.85	\$60.85	\$60.85	\$61.85	\$61.85	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$37.70	\$37.70	\$37.70	\$38.95	\$38.95	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.00	\$12.00	\$12.00	\$12.00	\$12.00	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.55	\$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 - September 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	September 2018		September 2017		% Change of Stocks	August 2018		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	2,831	84	4,439	94	-36.2%	2,706	84	4.6%
	Subbituminous	163	139	126	111	29.4%	168	168	-3.3%
South	Bituminous	18,000	86	27,439	96	-34.4%	18,970	83	-5.1%
	Subbituminous	4,669	59	5,200	64	-10.2%	4,739	54	-1.5%
Midwest	Bituminous	8,876	78	12,989	85	-31.7%	9,657	82	-8.1%
	Subbituminous	26,385	88	37,070	85	-28.8%	27,153	86	-2.8%
West	Bituminous	4,301	92	5,356	90	-19.7%	4,794	100	-10.3%
	Subbituminous	20,223	77	25,666	87	-21.2%	20,735	70	-2.5%
U.S. Total	Bituminous	34,008	84	50,223	92	-32.3%	36,127	85	-5.9%
	Subbituminous	51,440	80	68,062	83	-24.4%	52,796	76	-2.6%

Source: Energy Information Administration, *Electricity Monthly Update*

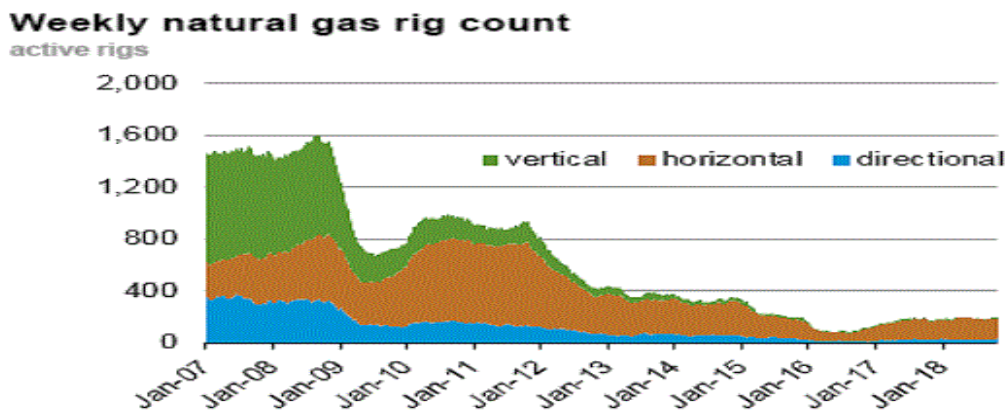
EIA Working Natural Gas Underground Storage

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*