

National Mining Association

Weekly Statistical Summary

December 14, 2018 Edition
(Data for Week Ending December 8, 2018)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 56, No. 49
Dated 12/14/18

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	12/08/18	12/09/17	% Chng	12/08/18	12/09/17	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,022	15,677	-4.2%	708,804	729,464	-2.8%
52 Weeks Ended	751,911	788,159	-4.6%			
AAR Coal Rail Cars Loaded:	88,543	89,808	-1.4%	4,143,197	4,169,069	-0.6%
Coal Production Month Ended - Nov.	Nov 18/17		% Chng	Jan - Nov 18/17		% Chng
	62,264	64,345	-3.2%	691,842	711,390	-2.7%
DOC Coal Trade (000 Tons)						
Exports:	Oct 18/17			Jan - Oct 18/17		
			% Chng			% Chng
Metallurgical	5,836	4,661	25.2%	52,176	45,127	15.6%
Steam *	4,816	4,490	7.3%	45,444	32,518	39.8%
Lignite	6	6	0.0%	71	65	9.2%
Anthracite	28	6	366.7%	195	242	-19.4%
Total	10,686	9,163	16.6%	97,886	77,952	25.6%
Imports:	304	582	-47.8%	4,656	7,002	-33.5%
	Week Ended			Cumulative Week 1 to		
	12/08/18	12/09/17	% Chng	12/08/18	12/09/17	% Chng
EI Electric Total Output (Mil. Kwh)	79,147	77,666	1.9%	3,884,420	3,750,340	3.6%
EI Coal Region Output (Mil. Kwh)	68,043	66,488	2.3%	3,361,682	3,221,120	4.4%
AISI Raw Steel Output (000 Tons)	1,876	1,676	11.9%	89,404	84,456	5.9%

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)	
	12/07/18	11/30/18	% Chng	Wed.	12/05/18
Central App, 12,500 Btu, 1.2 SO ₂	\$81.40	\$78.95	3.1%	Henry Hub	4.62
Northern App, 13,000 Btu, < 3.0 SO ₂	63.75	61.85	3.1%	New York	4.99
Illinois Basin, 11,800, 5.0 SO ₂	38.95	38.95	0.0%	Chicago	4.48
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.95	12.00	-0.4%	Cal.Comp.Avg.	6.36
Uinta Basin, 11,700 Btu, 0.8 SO ₂	40.40	40.55	-0.4%		

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		
	12/8/2018 (week 49)	12/1/2018 (week 48)	12/9/2017 (week 49)	12/8/2018	12/8/2017	% Change	12/8/2018	12/9/2017	% Change
Alabama	273	274	251	13,651	12,137	12.5	14,342	12,909	11.1
Alaska	20	20	21	877	898	-2.3	936	961	-2.6
Arizona	139	139	145	6,161	5,803	6.2	6,560	6,215	5.6
Arkansas	.	.	.	17	43	-60.0	17	46	-63.0
Colorado	253	253	303	13,010	14,175	-8.2	13,843	15,355	-9.8
Illinois	920	917	926	45,991	45,636	0.8	48,538	48,899	-0.7
Indiana	681	650	620	31,792	29,687	7.1	33,496	31,843	5.2
Kentucky Total	763	741	806	37,145	39,485	-5.9	39,363	42,769	-8.0
Eastern (KY)	357	350	377	16,895	17,117	-1.3	17,931	18,425	-2.7
Western (KY)	406	391	430	20,251	22,369	-9.5	21,432	24,344	-12.0
Louisiana	19	21	40	1,148	1,965	-41.6	1,257	2,199	-42.8
Maryland	26	26	33	1,298	1,714	-24.3	1,388	1,858	-25.3
Mississippi	43	40	47	2,294	2,468	-7.1	2,423	2,688	-9.9
Missouri	5	5	5	242	230	5.0	255	248	2.8
Montana	837	839	787	36,970	32,965	12.2	39,135	35,740	9.5
New Mexico	169	166	224	8,024	13,200	-39.2	8,639	14,279	-39.5
North Dakota	609	602	607	27,919	27,040	3.3	29,588	29,239	1.2
Ohio	185	180	197	8,235	8,921	-7.7	8,778	9,644	-9.0
Oklahoma	12	12	12	642	527	21.7	674	574	17.4
Pennsylvania Total	957	936	984	46,624	46,297	0.7	49,330	50,077	-1.5
Anthracite (PA)	36	35	39	1,687	1,799	-6.3	1,795	1,925	-6.8
Bituminous (PA)	921	901	945	44,937	44,498	1.0	47,535	48,152	-1.3
Tennessee	4	4	6	216	415	-48.0	231	455	-49.2
Texas	559	611	799	26,972	34,083	-20.9	29,168	37,051	-21.3
Utah	305	302	334	13,401	13,365	0.3	14,318	14,453	-0.9
Virginia	249	241	259	12,057	12,956	-6.9	12,769	13,962	-8.5
West Virginia Total	1,951	1,931	1,962	91,612	87,170	5.1	97,008	93,427	3.8
Northern (WV)	910	902	1,000	42,615	43,873	-2.9	45,366	47,276	-4.0
Southern (WV)	1,042	1,029	962	48,997	43,297	13.2	51,642	46,151	11.9
Wyoming	6,040	6,016	6,310	282,505	298,285	-5.3	299,855	323,266	-7.2
Appalachian Total	4,003	3,943	4,069	190,587	186,727	2.1	201,777	200,758	0.5
Interior Total	2,645	2,647	2,877	129,349	137,007	-5.6	137,261	147,892	-7.2
Western Total	8,373	8,336	8,730	388,868	405,730	-4.2	412,874	439,510	-6.1
East of Mississippi River	6,053	5,941	6,092	290,914	286,887	1.4	307,666	308,531	-0.3
West of Mississippi River	8,969	8,986	9,585	417,890	442,578	-5.6	444,245	479,628	-7.4
Bituminous and Lignite	14,985	14,892	15,638	707,118	727,665	-2.8	750,117	786,234	-4.6
Anthracite	36	35	39	1,687	1,799	-6.3	1,795	1,925	-6.8
U.S. Total	15,022	14,927	15,677	708,804	729,464	-2.8	751,911	788,159	-4.6
Railroad Cars Loaded	88,543	88,009	89,808	4,143,197	4,169,069	-0.6	4,392,008	4,509,348	-2.6

Source: Energy Information Administration



Weekly Electric Output

Volume 86 No. 49

OUTPUT FOR WEEK ENDED - Dec 08, 2018

Dec 12, 2018

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Dec 08, 2018** was **79,147** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **185** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended December 08		52 Weeks Ended December 08	
	GWh Output	% Increase Over Corresponding Week of 2017	GWh Output	% Increase Over Corresponding Period of 2017
New England	2,373	1.1	122,861	2.1
Mid-Atlantic	8,502	3.8	441,897	4.2
Central Industrial	13,558	2.0	686,865	4.4
West Central	6,783	5.1	338,645	3.9
Southeast	19,724	2.6	1,054,503	4.2
South Central	13,780	-0.4	763,538	5.5
Rocky Mountain	5,696	3.8	281,306	0.9
Pacific Northwest	3,725	1.9	156,968	-1.9
Pacific Southwest	5,006	-3.2	277,439	-2.2
Total United States	79,147	1.9	4,124,023	3.5

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2018	Week Ended	2017	% Inc. (18/17)	52 Weeks Ended	2018	% Inc. (18/17)
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
Dec 01	76,038	Dec 02	72,048	5.5	Dec 01	4,122,542	3.4
Dec 08	79,147	Dec 09	77,666	1.9	Dec 08	4,124,023	3.5
Dec 08	3,884,420	Dec 09	3,750,340	3.6	YEAR TO DATE, FIRST 49 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2018	Week Ended	2017	Week Ended	2016
Nov 17	191	Nov 18	190	Nov 19	180
Nov 24	178	Nov 25	181	Nov 26	176
Dec 01	185	Dec 02	184	Dec 03	178
Dec 08	185	Dec 09	202	Dec 10	187

* 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		
	8-Dec 2018 GWh Output	9-Dec 2017 GWh Output	% Increase Over Corresponding Week of 2017	8-Dec 2018 GWh Output	9-Dec 2017 GWh Output	% Increase Over Corresponding Week of 2017	8-Dec 2018 GWh Output	9-Dec 2017 GWh Output	% Increase Over Corresponding Week of 2017
New England	2,373	2,348	1.1%	115,100	112,824	2.0%	122,861	120,335	2.1%
Mid-Atlantic	8,502	8,191	3.8%	415,451	398,529	4.2%	441,897	424,285	4.2%
Central Industrial	13,558	13,291	2.0%	646,284	617,693	4.6%	686,865	658,155	4.4%
West Central	6,783	6,451	5.1%	318,972	306,267	4.1%	338,645	325,996	3.9%
Southeast	19,724	19,233	2.6%	993,251	951,795	4.4%	1,054,503	1,011,678	4.2%
South Central	13,780	13,836	-0.4%	723,062	685,164	5.5%	763,538	723,504	5.5%
Rocky Mountain	5,696	5,486	3.8%	264,662	261,672	1.1%	281,306	278,703	0.9%
Pacific Northwest	3,725	3,657	1.9%	145,511	148,085	-1.7%	156,968	159,977	-1.9%
Pacific Southwest	<u>5,006</u>	<u>5,173</u>	-3.2%	<u>262,127</u>	<u>268,311</u>	<u>-2.3%</u>	<u>277,439</u>	<u>283,593</u>	-2.2%
Total United States ^{1/}	<u>79,147</u>	<u>77,666</u>	1.9%	<u>3,884,420</u>	<u>3,750,340</u>	<u>3.6%</u>	<u>4,124,022</u>	<u>3,986,226</u>	3.5%
Coal Regions Only ^{2/}	68,043	66,488	2.3%	3,361,682	3,221,120	4.4%	3,566,754	3,422,321	4.2%

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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December 10, 2018

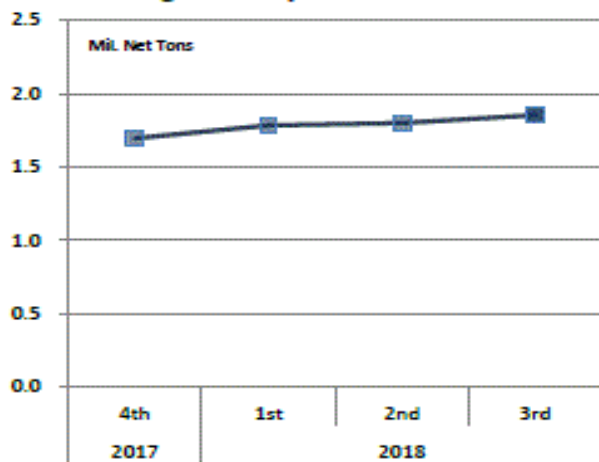
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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</u>		
				<u>Dec. 8</u>	<u>Dec.1</u>	
<u>Week Ending</u>				North East	224	225
				Great Lakes	694	713
December 8, 2018	1,876	-0.8	80.0	Midwest	191	195
December 8, 2017	1,676	11.9	71.9	Southern	680	676
December 1, 2018	1,892	-0.7	80.7	Western	87	83
				Total	1,876	1,892
<u>Year-to-Date +</u>						
December 8, 2018	89,404	5.9	78.2			
December 8, 2017	84,456	-	74.0			

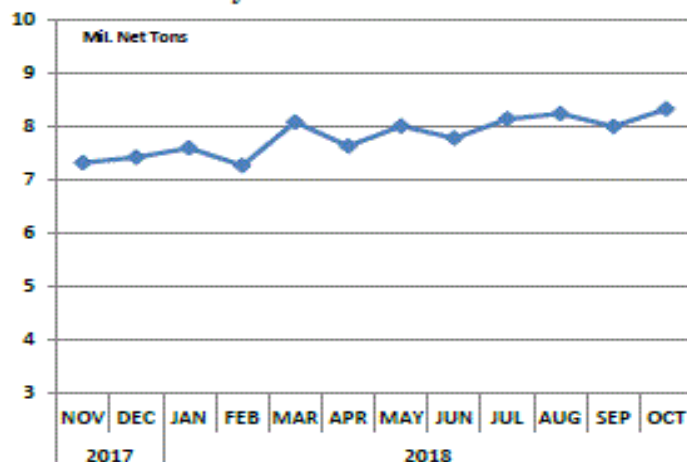
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 fourth 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 49, 2018 – Ended December 8, 2018

	This Week		Year-To-Date		
	Cars	vs 2017	Cumulative	Avg/wk ²	vs 2017
Total Carloads	267,000	0.3%	12,885,663	262,973	1.7%
Chemicals	32,755	1.2%	1,575,695	32,157	3.8%
Coal	88,543	-1.2%	4,151,820	84,731	-0.7%
Farm Products excl. Grain, and Food	16,381	-1.4%	794,935	16,223	1.8%
Forest Products	9,952	-3.2%	503,528	10,276	2.4%
Grain	23,082	-2.7%	1,118,958	22,836	2.7%
Metallic Ores and Metals	22,517	1.8%	1,143,650	23,340	3.4%
Motor Vehicles and Parts	17,851	1.5%	812,013	16,572	-1.1%
Nonmetallic Minerals	31,809	-6.7%	1,756,623	35,849	0.4%
Petroleum and Petroleum Products	13,286	22.8%	550,413	11,233	17.6%
Other	10,824	19.3%	478,028	9,756	1.6%
Total Intermodal Units	303,225	5.7%	13,679,958	279,183	5.5%
Total Traffic	570,225	3.1%	26,565,621	542,156	3.6%

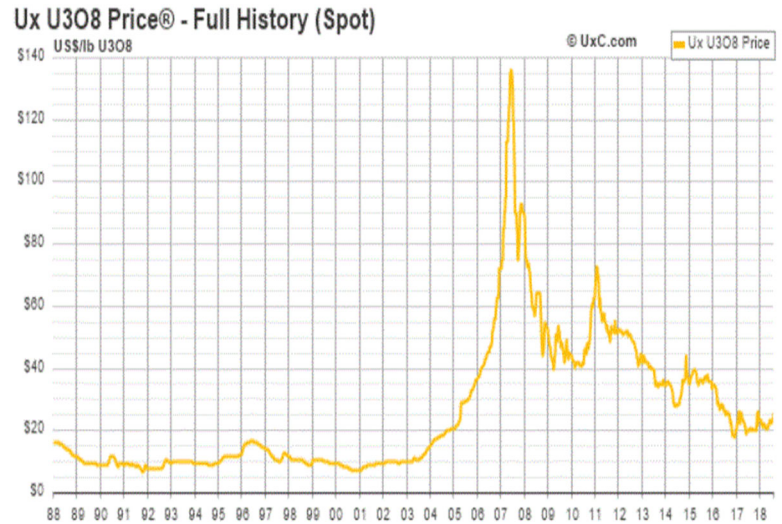
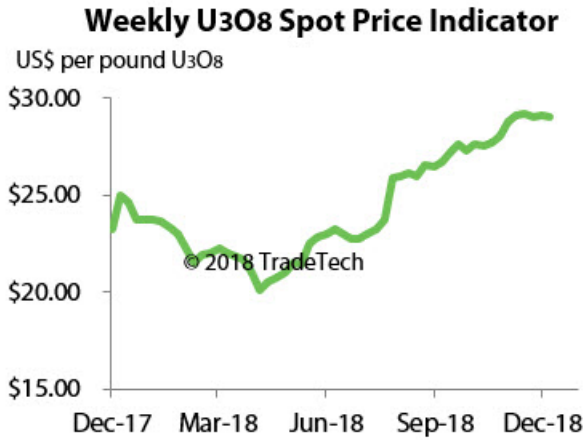
¹ Excludes U.S. operations of Canadian Pacific, CN and GMXT.

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>

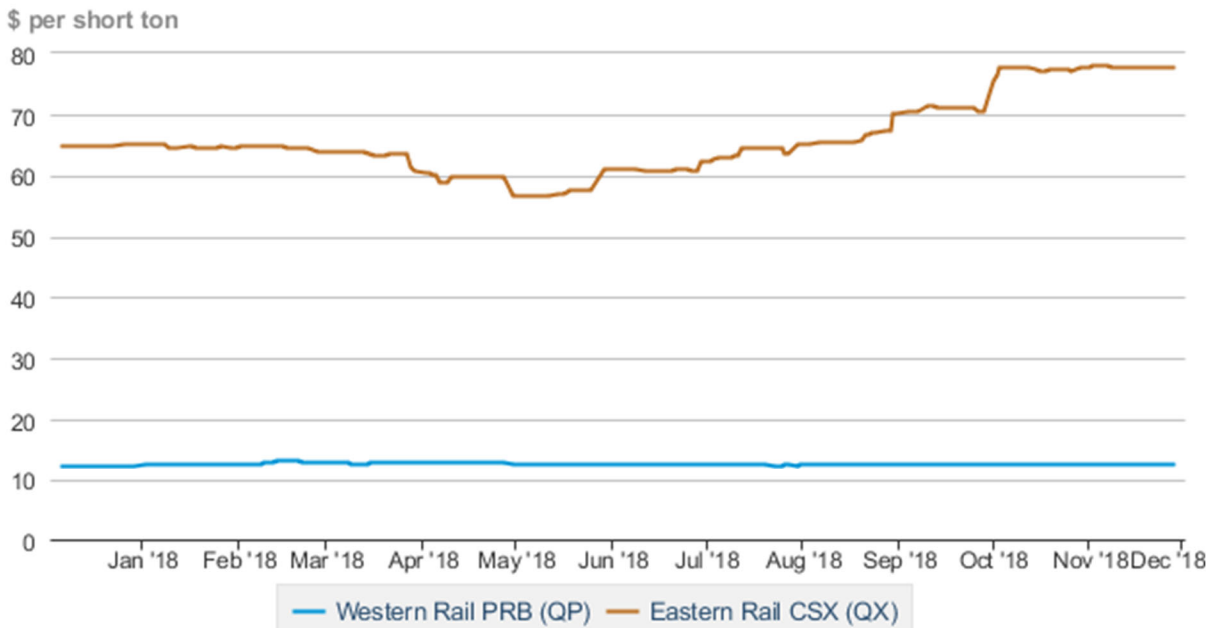
Trade Tech's and UX's Uranium Price Indicators

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.

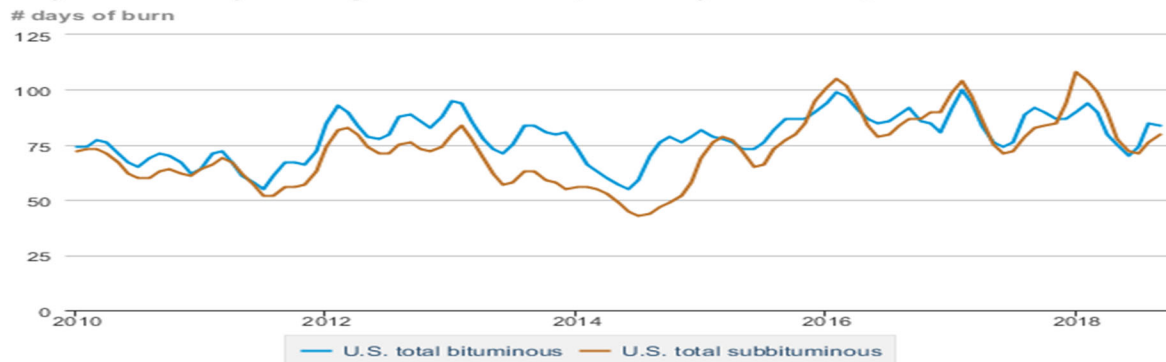
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	11/09/18	11/16/18	11/23/18	11/30/18	12/07/18	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$78.95	\$78.95	\$78.95	\$78.95	\$81.40	\$2.45
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$60.85	\$61.85	\$61.85	\$61.85	\$63.75	\$1.90
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$37.70	\$38.95	\$38.95	\$38.95	\$38.95	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.00	\$12.00	\$12.00	\$12.00	\$11.95	-\$0.05
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.55	\$40.55	\$40.55	\$40.55	\$40.40	-\$0.15

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 29)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	210	22	32	0	0	0
Middle Atlantic	206	26	37	0	0	0
E N Central	222	16	59	0	0	0
W N Central	242	10	95	0	0	0
South Atlantic	161	38	40	8	-2	-4
E S Central	158	31	37	0	-1	0
W S Central	84	-8	27	5	1	1
Mountain	174	-25	68	0	0	-5
Pacific	80	-22	30	0	-1	-1
United States	170	8	47	2	0	-1

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

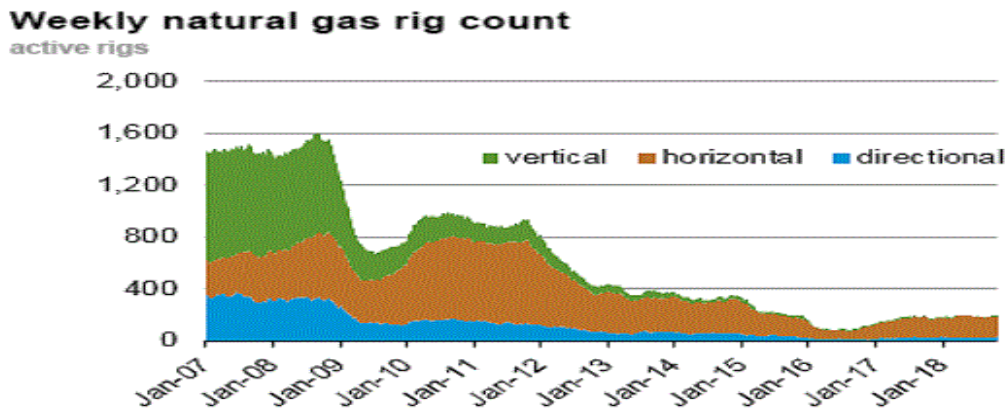
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2018-11-30	2018-11-23	change
East	752	778	-26
Midwest	914	938	-24
Mountain	168	171	-3
Pacific	253	254	-1
South Central	905	914	-9
Total	2,991	3,054	-63

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*