

National Mining Association

Weekly Statistical Summary

January 4, 2019 Edition
(Data for Week Ending December 29, 2018)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 56, No. 52
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PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	12/29/18	12/30/17	% Chng	12/29/18	12/30/17	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,353	10,597	7.1%	750,449	771,729	-2.8%
52 Weeks Ended	751,915	785,030	-4.2%			
AAR Coal Rail Cars Loaded:	68,511	62,348	9.9%	4,396,889	4,412,606	-0.4%
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		
	12/29/18	12/30/17	% Chng	12/29/18	12/30/17	% Chng
EI Electric Total Output (Mil. Kwh)	73,118	82,002	-10.8%	4,113,724	3,989,942	3.1%
EI Coal Region Output (Mil. Kwh)	62,738	70,666	-11.2%	3,558,917	3,426,195	3.9%
AISI Raw Steel Output (000 Tons)	1,899	1,676	13.3%	95,063	89,483	6.2%

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)	
	12/28/18	12/21/18	% Chng	Wed.	12/19/18
Central App, 12,500 Btu, 1.2 SO ₂	\$81.40	\$81.40	0.0%	Henry Hub	3.56
Northern App, 13,000 Btu, < 3.0 SO ₂	63.75	63.75	0.0%	New York	3.63
Illinois Basin, 11,800, 5.0 SO ₂	38.95	38.95	0.0%	Chicago	3.31
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.95	11.95	0.0%	Cal.Comp.Avg.	3.89
Uinta Basin, 11,700 Btu, 0.8 SO ₂	40.40	40.40	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		
	12/29/2018 (week 52)	12/22/2018 (week 51)	12/30/2017 (week 52)	12/29/2018	12/29/2017	% Change	12/29/2018	12/30/2017	% Change
Alabama	234	293	170	14,621	12,815	14.1	14,645	12,992	12.7
Alaska	14	21	14	881	955	-7.7	883	970	-9.0
Arizona	109	149	98	6,699	6,195	8.1	6,713	6,290	6.7
Arkansas	43	-100.0	.	43	.
Colorado	205	270	205	13,881	14,991	-7.4	13,909	15,258	-8.8
Illinois	735	980	626	48,790	48,133	1.4	48,877	48,876	s
Indiana	494	694	419	33,911	31,358	8.1	33,969	31,849	6.7
Kentucky Total	573	792	545	39,278	41,659	-5.7	39,354	42,399	-7.2
Eastern (KY)	265	374	255	17,404	18,132	-4.0	17,439	18,431	-5.4
Western (KY)	308	417	290	21,875	23,527	-7.0	21,915	23,968	-8.6
Louisiana	20	23	27	1,464	2,071	-29.3	1,468	2,123	-30.9
Maryland	19	28	22	1,260	1,802	-30.1	1,263	1,835	-31.2
Mississippi	38	43	32	2,793	2,595	7.6	2,797	2,644	5.8
Missouri	4	5	3	257	243	5.4	257	247	4.0
Montana	606	896	532	38,146	35,087	8.7	38,220	35,719	7.0
New Mexico	112	177	151	8,831	13,803	-36.0	8,852	14,043	-37.0
North Dakota	468	644	410	29,930	28,676	4.4	29,986	29,176	2.8
Ohio	138	193	133	8,800	9,453	-6.9	8,818	9,617	-8.3
Oklahoma	10	13	8	778	559	39.1	779	570	36.7
Pennsylvania Total	721	1,000	665	48,947	48,950	s	49,039	49,806	-1.5
Anthracite (PA)	26	37	27	1,832	1,905	-3.9	1,835	1,934	-5.1
Bituminous (PA)	694	962	639	47,115	47,045	0.1	47,204	47,871	-1.4
Tennessee	3	5	4	200	430	-53.5	201	439	-54.2
Texas	430	653	540	26,692	36,236	-26.3	26,766	36,909	-27.5
Utah	233	323	225	13,981	14,264	-2.0	14,012	14,514	-3.5
Virginia	184	257	175	12,746	13,655	-6.7	12,770	13,882	-8.0
West Virginia Total	1,484	2,063	1,327	96,391	92,461	4.3	96,575	93,897	2.9
Northern (WV)	704	963	676	45,517	46,570	-2.3	45,610	47,347	-3.7
Southern (WV)	781	1,099	650	50,875	45,890	10.9	50,965	46,550	9.5
Wyoming	4,520	6,427	4,265	301,172	315,295	-4.5	301,762	320,933	-6.0
Appalachian Total	3,047	4,213	2,751	200,369	197,698	1.4	200,750	200,898	-0.1
Interior Total	2,039	2,829	1,945	136,559	144,765	-5.7	136,828	147,230	-7.1
Western Total	6,267	8,907	5,901	413,521	429,266	-3.7	414,337	436,903	-5.2
East of Mississippi River	4,622	6,347	4,118	307,738	303,311	1.5	308,308	308,235	s
West of Mississippi River	6,731	9,601	6,479	442,711	468,418	-5.5	443,607	476,795	-7.0
Bituminous and Lignite	11,327	15,911	10,571	748,617	769,823	-2.8	750,079	783,096	-4.2
Anthracite	26	37	27	1,832	1,905	-3.9	1,835	1,934	-5.1
U.S. Total	11,353	15,948	10,597	750,449	771,729	-2.8	751,915	785,030	-4.2
Railroad Cars Loaded	68,511	93,964	62,348	4,396,889	4,412,606	-0.4	4,405,512	4,489,870	-1.9

Source: Energy Information Administration



Weekly Electric Output

Volume 86 No. 52

OUTPUT FOR WEEK ENDED - Dec 29, 2018

Jan 03, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, Dec 29, 2018 was 73,118 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 172 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended December 29		52 Weeks Ended December 29	
	GWh Output	% Increase Over Corresponding Week of 2017	GWh Output	% Increase Over Corresponding Period of 2017
New England	2,269	-15.0	122,211	1.3
Mid-Atlantic	7,899	-12.9	440,401	3.6
Central Industrial	12,003	-13.6	684,580	4.0
West Central	6,050	-11.9	337,891	3.7
Southeast	18,752	-11.6	1,051,898	3.8
South Central	12,492	-11.6	762,943	5.1
Rocky Mountain	5,542	0.9	281,198	1.0
Pacific Northwest	3,460	-8.3	155,948	-2.2
Pacific Southwest	4,651	-5.0	276,654	-2.5
Total United States	73,118	-10.8	4,113,724	3.1

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2018	Week Ended	2017	% Inc. (18/17)	52 Weeks Ended	2018	% Inc. (18/17)
Dec 08	79,147	Dec 09	77,666	1.9	Dec 08	4,124,023	3.5
Dec 15	79,940	Dec 16	81,207	-1.6	Dec 15	4,122,755	3.4
Dec 22	76,247	Dec 23	76,393	-0.2	Dec 22	4,122,609	3.6
Dec 29	73,118	Dec 30	82,002	-10.8	Dec 29	4,113,724	3.1
Dec 29	4,113,724	Dec 30	3,989,942	3.1	YEAR TO DATE, FIRST 52 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2018	Week Ended	2017	Week Ended	2016
Dec 08	185	Dec 09	202	Dec 10	187
Dec 15	179	Dec 16	203	Dec 17	194
Dec 22	172	Dec 23	192	Dec 24	203
Dec 29	172	Dec 30	218	Dec 31	181

* 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-Dec 2018 GWh Output	30-Dec 2017 GWh Output	% Increase Over Corresponding Week of 2017	29-Dec 2018 GWh Output	30-Dec 2017 GWh Output	% Increase Over Corresponding Week of 2017	29-Dec 2018 GWh Output	30-Dec 2017 GWh Output	% Increase Over Corresponding Week of 2017
New England	2,269	2,668	-15.0%	122,213	120,586	1.3%	122,211	120,584	1.3%
Mid-Atlantic	7,899	9,070	-12.9%	440,398	424,971	3.6%	440,401	424,973	3.6%
Central Industrial	12,003	13,897	-13.6%	684,580	658,274	4.0%	684,580	658,276	4.0%
West Central	6,050	6,865	-11.9%	337,897	325,946	3.7%	337,891	325,952	3.7%
Southeast	18,752	21,204	-11.6%	1,051,898	1,013,048	3.8%	1,051,898	1,013,044	3.8%
South Central	12,492	14,136	-11.6%	762,945	725,641	5.1%	762,943	725,643	5.1%
Rocky Mountain	5,542	5,494	0.9%	281,199	278,315	1.0%	281,198	278,313	1.0%
Pacific Northwest	3,460	3,772	-8.3%	155,943	159,537	-2.3%	155,948	159,537	-2.2%
Pacific Southwest	4,651	4,896	-5.0%	276,653	283,624	-2.5%	276,654	283,621	-2.5%
Total United States ^{1/}	73,118	82,002	-10.8%	4,113,726	3,989,942	3.1%	4,113,724	3,989,943	3.1%
Coal Regions Only ^{2/}	62,738	70,666	-11.2%	3,558,917	3,426,195	3.9%	3,558,911	3,426,201	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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January 2, 2019

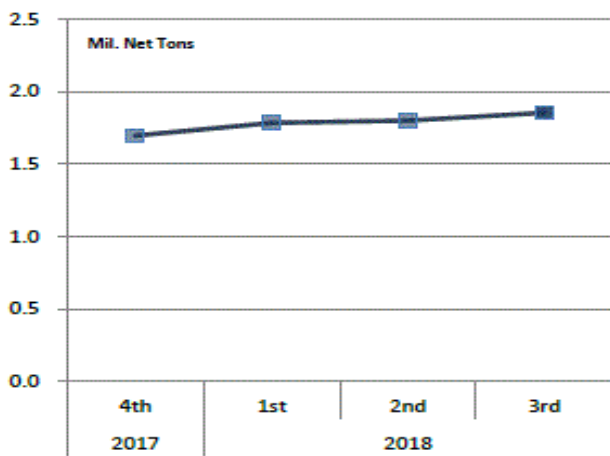
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 Dec. 29</u>	<u>Week Ending Dec. 22</u>	
<u>Week Ending</u>				North East	213	210
				Great Lakes	733	711
December 29, 2018	1,899	1.6	81.0	Midwest	207	189
December 29, 2017	1,676	13.3	71.9	Southern	668	680
December 22, 2018	1,870	-1.1	79.8	Western	78	80
				Total	1,899	1,870
<u>Year-to-Date +</u>						
December 29, 2018	95,063	6.2	78.3			
December 29, 2017	89,483	-	74.0			

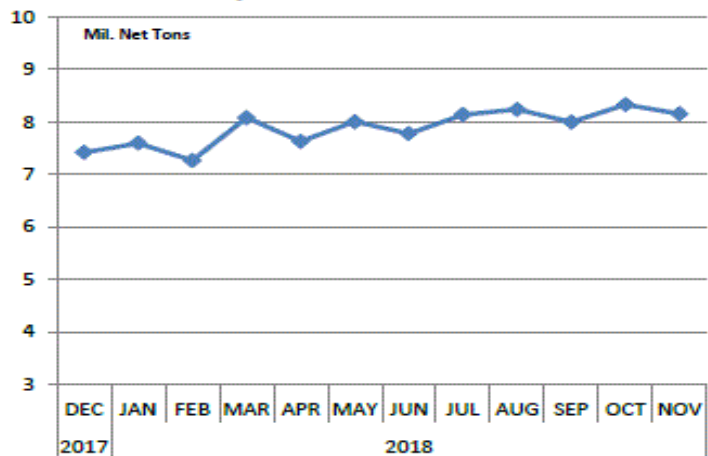
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 52, 2018 – Ended December 29, 2018

	This Week		Year-To-Date		
	Cars	vs 2017	Cumulative	Avg/wk ²	vs 2017
Total Carloads	210,333	8.5%	13,640,641	262,320	1.8%
Chemicals	29,218	4.6%	1,671,882	32,152	3.8%
Coal	68,511	9.9%	4,405,513	84,721	-0.3%
Farm Products excl. Grain, and Food	13,611	1.2%	840,932	16,172	1.8%
Forest Products	9,117	-3.1%	533,332	10,256	2.2%
Grain	18,486	17.6%	1,183,855	22,766	2.9%
Metallic Ores and Metals	21,790	11.4%	1,213,754	23,341	3.3%
Motor Vehicles and Parts	10,234	9.3%	856,844	16,478	-0.9%
Nonmetallic Minerals	21,155	0.4%	1,841,153	35,407	0.3%
Petroleum and Petroleum Products	11,639	42.9%	589,004	11,327	18.2%
Other	6,572	-5.5%	504,372	9,699	1.5%
Total Intermodal Units	201,343	1.8%	14,472,849	278,324	5.5%
Total Traffic	411,676	5.1%	28,113,490	540,644	3.7%

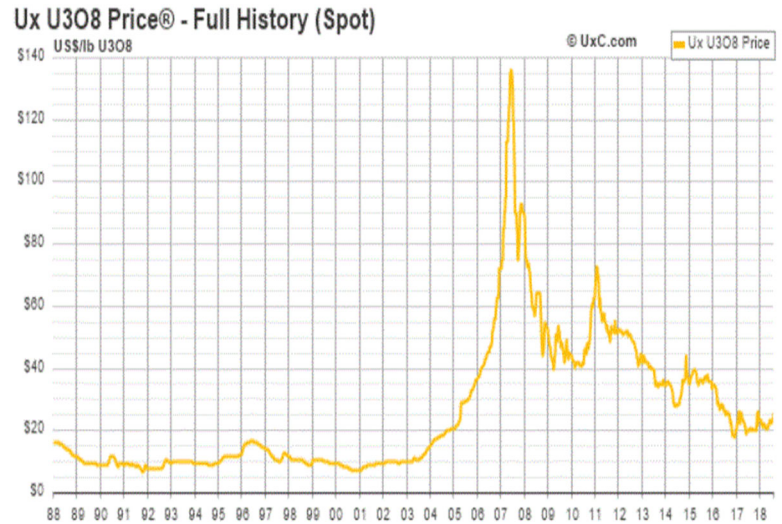
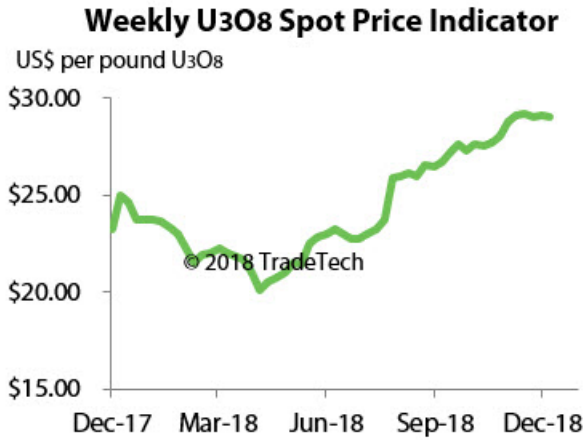
¹ Excludes U.S. operations of Canadian Pacific, CN and GMXT.

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>

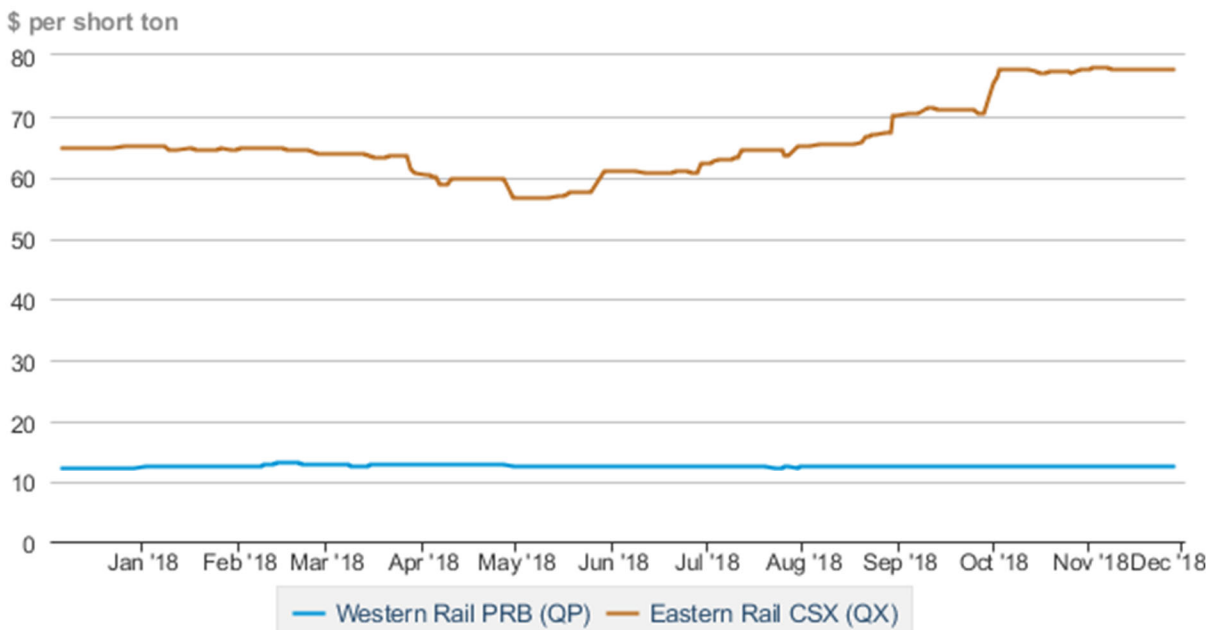
Trade Tech's and UX's Uranium Price Indicators

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.

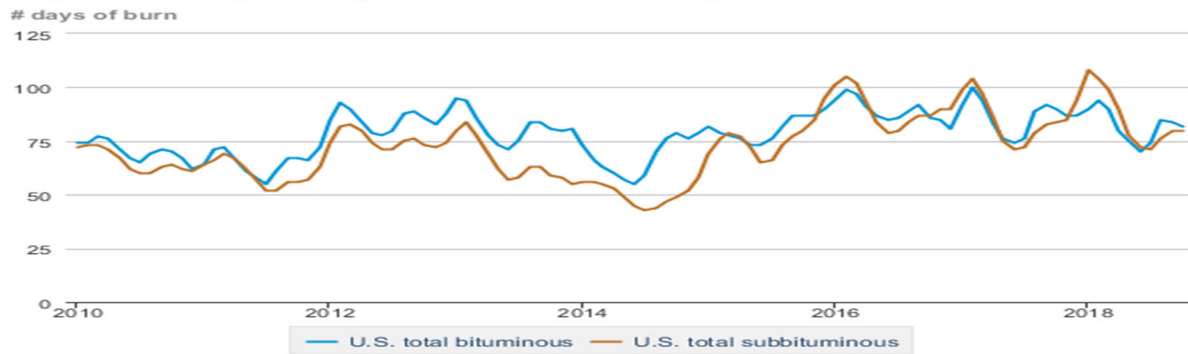
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	11/30/18	12/07/18	12/14/18	12/21/18	12/28/18	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$78.95	\$81.40	\$81.40	\$81.40	\$81.40	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$61.85	\$63.75	\$63.75	\$63.75	\$63.75	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$38.95	\$38.95	\$38.95	\$38.95	\$38.95	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.00	\$11.95	\$11.95	\$11.95	\$11.95	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.55	\$40.40	\$40.40	\$40.40	\$40.40	\$0.00

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

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



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Dec 13)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	271	47	41	0	0	0
Middle Atlantic	248	35	12	0	0	0
E N Central	265	21	-9	0	0	0
W N Central	274	4	21	0	0	0
South Atlantic	188	39	5	5	-3	1
E S Central	180	26	-18	0	-1	0
W S Central	121	8	-18	1	-2	1
Mountain	206	-15	13	0	0	0
Pacific	103	-14	34	0	0	0
United States	205	15	8	1	-1	0

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 - 3rd Quarter	2017 Year to Date - 3rd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	624.0	628.0	-1%
Cement (Mil. Mt.)	64.7	63.2	2%
Copper (000 Mt.)	912.0	955.0	-5%
Gold (Mt.)	156.0	178.0	-12%
Gypsum (Mil. Mt.)	12.8	12.4	3%
Iron Ore (Mil. Mt.)	36.4	34.5	6%
Lead (000 Mt.)	W	228.0	N/A
Molybdenum (000 Mt.)	30.9	29.8	4%
Phosphate rock (Mil. Mt.)	20.1	20.8	-3%
Sand & gravel, construction (Mil. Mt.)	720.0	672.0	7%
Silver (Mt.)	675.0	779.0	-13%
Soda ash (Mil. Mt.)	8.8	8.8	0%
Stone, crushed (Mil. Mt.)	1,050.0	1,010.0	4%
Zinc (000 Mt.)	600.0	540.0	11%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2018 data are preliminary estimates. W - withheld, N/A - not available

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	October 2018		October 2017		% Change of Stocks	September 2018		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	3,258	94	4,714	90	-30.9%	2,831	84	15.1%
	Subbituminous	163	113	146	99	11.3%	163	139	0.0%
South	Bituminous	18,869	82	27,570	92	-31.6%	18,000	86	4.8%
	Subbituminous	4,605	56	5,359	64	-14.1%	4,669	59	-1.4%
Midwest	Bituminous	9,249	74	13,270	83	-30.3%	8,876	78	4.2%
	Subbituminous	27,720	91	37,508	84	-26.1%	26,385	88	5.1%
West	Bituminous	4,205	91	5,312	91	-20.8%	4,301	92	-2.2%
	Subbituminous	20,242	76	26,295	89	-23.0%	20,223	77	0.1%
U.S. Total	Bituminous	35,582	82	50,867	90	-30.0%	34,008	84	4.6%
	Subbituminous	52,729	80	69,308	84	-23.9%	51,440	80	2.5%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

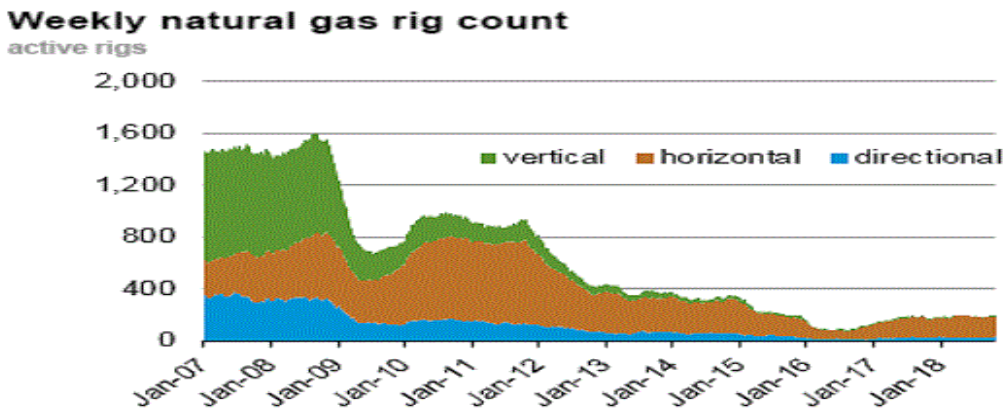
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2018-12-14	2018-12-07	change
East	692	732	-40
Midwest	841	885	-44
Mountain	153	160	-7
Pacific	227	238	-11
South Central	860	898	-38
Total	2,773	2,914	-141

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		
	December 2018	January 2019	change	December 2018	January 2019	change
Anadarko	413	416	3	2,919	2,942	23
Appalachia	147	147	-	17,244	17,446	202
Bakken	1,589	1,611	22	2,048	2,095	47
Eagle Ford	1,417	1,428	11	5,940	6,038	98
Haynesville	26	27	1	9,012	9,152	140
Niobrara	1,227	1,237	10	4,368	4,390	22
Permian	616	631	15	1,236	1,236	-
Rig-weighted average	679	691	12	3,850	3,881	31

Source: Energy Information Administration, *Drilling Productivity Report*