

National Mining Association

Weekly Statistical Summary

January 11, 2019 Edition
(Data for Week Ending January 5, 2019)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

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PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	01/05/19	01/06/18	% Chng	01/05/19	01/06/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,943	11,856	0.7%	8,686	8,808	-1.4%
52 Weeks Ended	752,002	771,439	-2.5%			
AAR Coal Rail Cars Loaded:	70,807	69,973	1.2%	51,153	52,009	-1.6%
Coal Production Month Ended - Dec.	Dec 18/17 63,000		% Chng -0.3%	Jan - Dec 18/17 753,706	% Chng 774,609	% Chng -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		
	01/05/19	01/06/18	% Chng	01/05/19	01/06/18	% Chng
EI Electric Total Output (Mil. Kwh)	74,073	93,331	-20.6%	74,073	93,331	-20.6%
EI Coal Region Output (Mil. Kwh)	63,359	81,846	-22.6%	63,359	81,846	-22.6%
AISI Raw Steel Output (000 Tons)	1,876	1,704	10.1%	1,876	1,704	10.1%

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)	
	01/04/19	12/28/18	% Chng	Wed.	12/19/18
Central App, 12,500 Btu, 1.2 SO ₂	\$83.90	\$81.40	3.1%	Henry Hub	3.56
Northern App, 13,000 Btu, < 3.0 SO ₂	65.70	63.75	3.1%	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	11.90	11.95	-0.4%	Cal.Comp.Avg.	3.89
Uinta Basin, 11,700 Btu, 0.8 SO ₂	40.25	40.40	-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		
	1/5/2019 (week 1)	12/29/2018 (week 52)	1/6/2018 (week 1)	1/5/2019	1/5/2018	% Change	1/5/2019	1/6/2018	% Change
Alabama	251	234	239	189	183	3.0	14,656	12,846	14.1
Alaska	14	14	15	9	11	-14.3	882	954	-7.5
Arizona	114	109	98	84	72	17.4	6,729	6,191	8.7
Arkansas	41	.
Colorado	221	205	210	164	154	6.6	13,921	14,968	-7.0
Illinois	782	735	786	578	592	-2.4	48,874	48,132	1.5
Indiana	574	494	527	424	398	6.7	34,016	31,364	8.5
Kentucky Total	625	573	642	455	480	-5.1	39,337	41,586	-5.4
Eastern (KY)	281	265	283	204	210	-2.9	17,437	18,126	-3.8
Western (KY)	345	308	359	252	270	-6.9	21,900	23,459	-6.6
Louisiana	20	20	17	15	11	38.2	1,471	2,026	-27.4
Maryland	18	19	24	12	18	-30.0	1,256	1,797	-30.1
Mississippi	47	38	40	36	30	18.5	2,805	2,588	8.4
Missouri	4	4	4	3	3	3.8	257	244	5.3
Montana	632	606	575	458	425	7.7	38,276	35,235	8.6
New Mexico	113	112	133	77	95	-18.9	8,831	13,700	-35.5
North Dakota	491	468	474	357	354	0.9	30,004	28,707	4.5
Ohio	132	138	154	92	115	-20.2	8,797	9,469	-7.1
Oklahoma	14	10	8	11	6	85.6	785	560	40.2
Pennsylvania Total	815	721	755	604	562	7.5	49,099	48,928	0.3
Anthracite (PA)	28	26	27	20	20	2.0	1,836	1,901	-3.4
Bituminous (PA)	786	694	727	583	542	7.7	47,263	47,027	0.5
Tennessee	3	3	4	2	3	-26.7	200	424	-52.8
Texas	373	430	410	264	285	-7.1	26,728	36,115	-26.0
Utah	226	233	232	160	171	-6.0	14,006	14,285	-2.0
Virginia	199	184	210	144	157	-8.4	12,759	13,631	-6.4
West Virginia Total	1,586	1,484	1,480	1,165	1,099	6.0	96,681	92,493	4.5
Northern (WV)	744	704	708	545	521	4.6	45,646	46,496	-1.8
Southern (WV)	842	781	772	621	578	7.3	51,035	45,997	11.0
Wyoming	4,689	4,520	4,819	3,381	3,586	-5.7	301,631	315,155	-4.3
Appalachian Total	3,284	3,047	3,148	2,412	2,346	2.8	200,886	197,714	1.6
Interior Total	2,159	2,039	2,151	1,584	1,595	-0.7	136,836	144,529	-5.3
Western Total	6,500	6,267	6,557	4,691	4,866	-3.6	414,280	429,195	-3.5
East of Mississippi River	5,033	4,622	4,860	3,701	3,637	1.8	308,480	303,258	1.7
West of Mississippi River	6,910	6,731	6,996	4,985	5,171	-3.6	443,521	468,181	-5.3
Bituminous and Lignite	11,915	11,327	11,828	8,666	8,788	-1.4	750,165	769,538	-2.5
Anthracite	28	26	27	20	20	2.0	1,836	1,901	-3.4
U.S. Total	11,943	11,353	11,856	8,686	8,808	-1.4	752,002	771,439	-2.5
Railroad Cars Loaded	70,807	68,511	69,973	51,153	52,009	-1.6	4,406,346	4,416,280	-0.2

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 1

OUTPUT FOR WEEK ENDED - Jan 05, 2019

Jan 09, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Jan 05, 2019** was **74,073** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **176** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended January 05		52 Weeks Ended January 05	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,294	-21.5	121,581	0.4
Mid-Atlantic	7,959	-24.2	437,863	2.6
Central Industrial	12,589	-20.6	681,321	3.2
West Central	6,292	-14.4	336,836	3.1
Southeast	16,811	-36.7	1,042,172	2.3
South Central	13,943	-14.4	760,591	4.5
Rocky Mountain	5,765	8.3	281,642	1.3
Pacific Northwest	3,582	-3.7	155,810	-1.9
Pacific Southwest	4,838	-0.1	276,649	-2.4
Total United States	74,073	-20.6	4,094,465	2.3

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2019	Week Ended	2018	% Inc. (19/18)	52 Weeks Ended	2019	% Inc. (19/18)
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
Jan 05	74,073	Jan 06	93,331	-20.6	Jan 05	4,094,465	2.3
Jan 05	74,073	Jan 06	93,331	-20.6	YEAR TO DATE, FIRST 1 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2019	Week Ended	2018	Week Ended	2017
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
Jan 05	176	Jan 06	210	Jan 07	188

* 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		
	5-Jan 2019 GWh Output	6-Jan 2018 GWh Output	% Increase Over Corresponding Week of 2018	5-Jan 2019 GWh Output	6-Jan 2018 GWh Output	% Increase Over Corresponding Week of 2018	5-Jan 2019 GWh Output	6-Jan 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	2,294	2,923	-21.5%	2,294	2,923	-21.5%	121,581	121,060	0.4%
Mid-Atlantic	7,959	10,498	-24.2%	7,959	10,498	-24.2%	437,863	426,953	2.6%
Central Industrial	12,589	15,847	-20.6%	12,589	15,847	-20.6%	681,321	660,224	3.2%
West Central	6,292	7,347	-14.4%	6,292	7,347	-14.4%	336,836	326,613	3.1%
Southeast	16,811	26,538	-36.7%	16,811	26,538	-36.7%	1,042,172	1,018,244	2.3%
South Central	13,943	16,295	-14.4%	13,943	16,295	-14.4%	760,591	728,117	4.5%
Rocky Mountain	5,765	5,321	8.3%	5,765	5,321	8.3%	281,642	277,933	1.3%
Pacific Northwest	3,582	3,719	-3.7%	3,582	3,719	-3.7%	155,810	158,819	-1.9%
Pacific Southwest	4,838	4,843	-0.1%	4,838	4,843	-0.1%	276,649	283,396	-2.4%
Total United States ^{1/}	74,073	93,331	-20.6%	74,073	93,331	-20.6%	4,094,465	4,001,359	2.3%
Coal Regions Only ^{2/}	63,359	81,846	-22.6%	63,359	81,846	-22.6%	3,540,425	3,438,084	3.0%

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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January 7, 2019

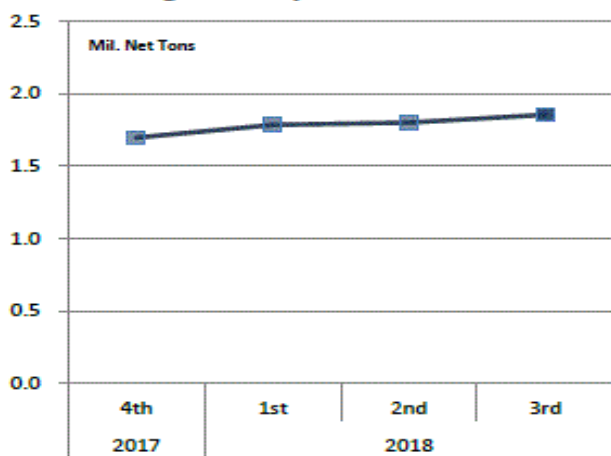
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 Jan. 5</u>	<u>Dec. 29</u>	
<u>Week Ending</u>				North East	219	213
				Great Lakes	719	733
January 5, 2019	1,876	-1.2	80.0	Midwest	203	207
January 5, 2018	1,704	10.1	73.1	Southern	661	668
December 29, 2018	1,899	1.6	81.0	Western	<u>74</u>	<u>78</u>
				Total	1,876	1,899
<u>Year-to-Date +</u>						
January 5, 2019	1,876	10.1	80.0			
January 5, 2018	1,704	-	73.1			

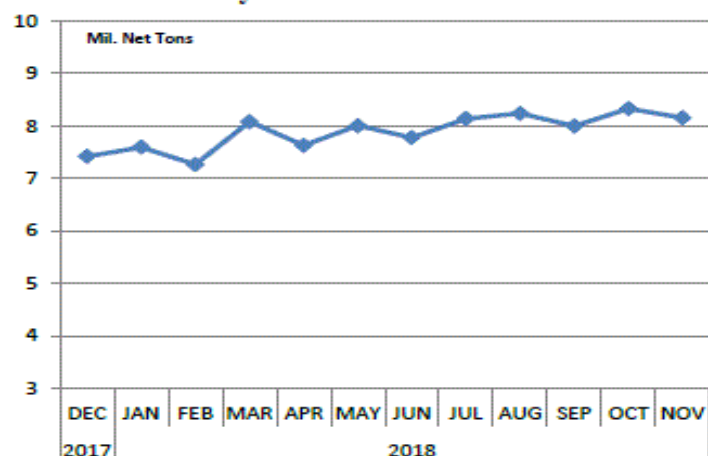
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 1, 2019 – Ended January 5, 2019

	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	221,759	6.2%	221,759	221,759	6.2%
Chemicals	29,891	5.8%	29,891	29,891	5.8%
Coal	70,807	1.1%	70,807	70,807	1.1%
Farm Products excl. Grain, and Food	15,108	12.4%	15,108	15,108	12.4%
Forest Products	9,523	10.5%	9,523	9,523	10.5%
Grain	20,506	4.0%	20,506	20,506	4.0%
Metallic Ores and Metals	21,738	13.7%	21,738	21,738	13.7%
Motor Vehicles and Parts	9,213	-12.0%	9,213	9,213	-12.0%
Nonmetallic Minerals	25,665	17.3%	25,665	25,665	17.3%
Petroleum and Petroleum Products	12,057	25.0%	12,057	12,057	25.0%
Other	7,251	-3.9%	7,251	7,251	-3.9%
Total Intermodal Units	214,344	3.4%	214,344	214,344	3.4%
Total Traffic	436,103	4.8%	436,103	436,103	4.8%

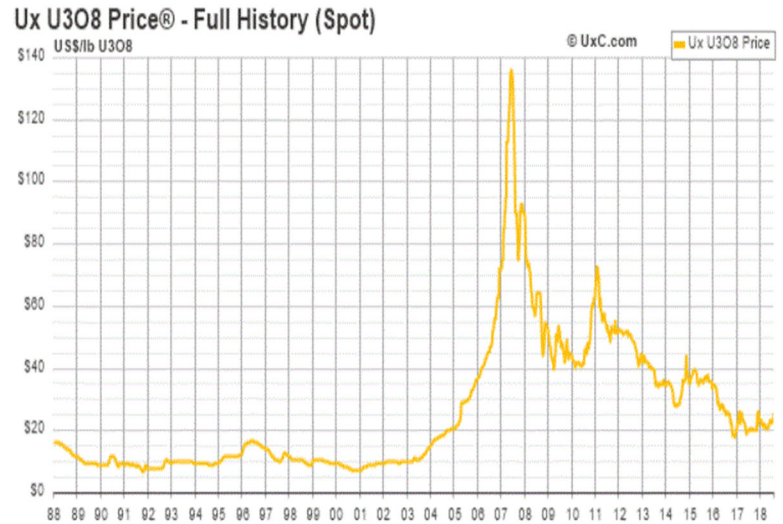
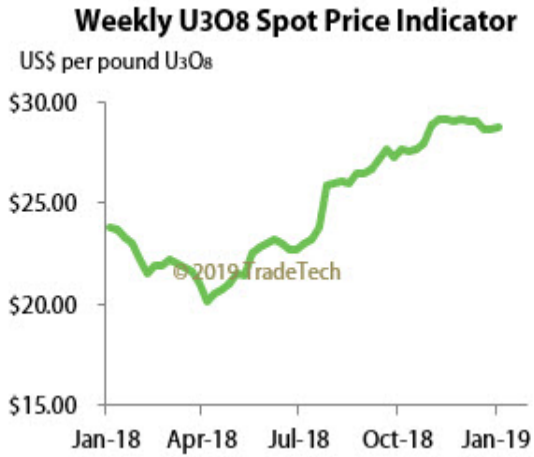
¹ Excludes U.S. operations of Canadian Pacific, CN and GMXT.

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>

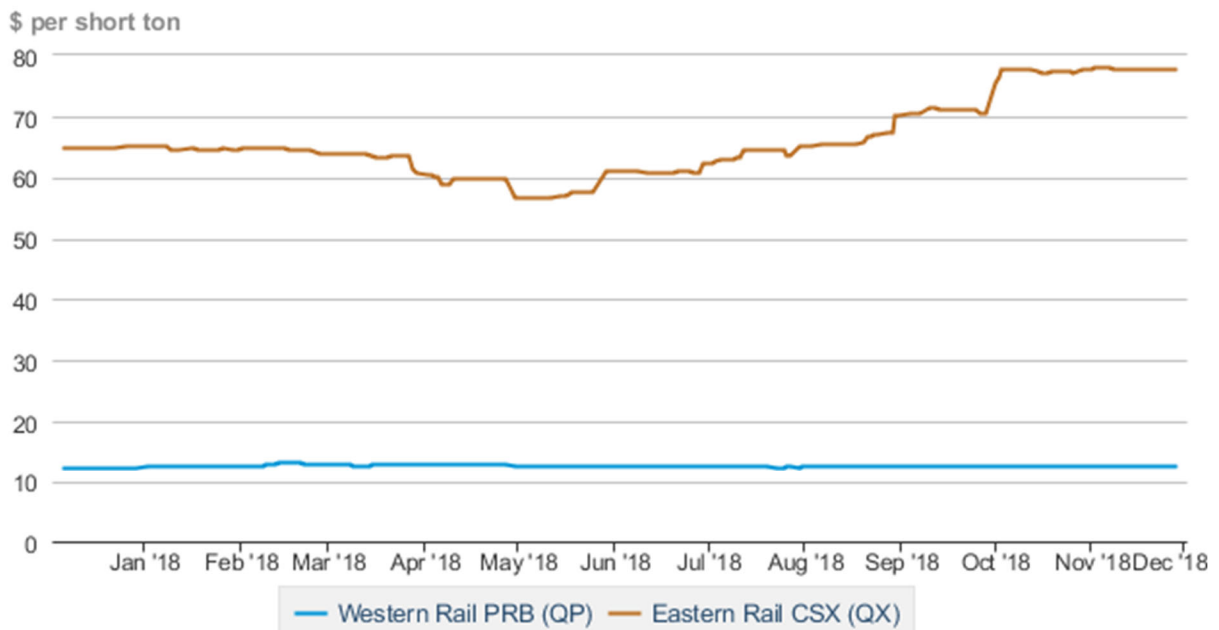
Trade Tech's and UX's Uranium Price Indicators

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.

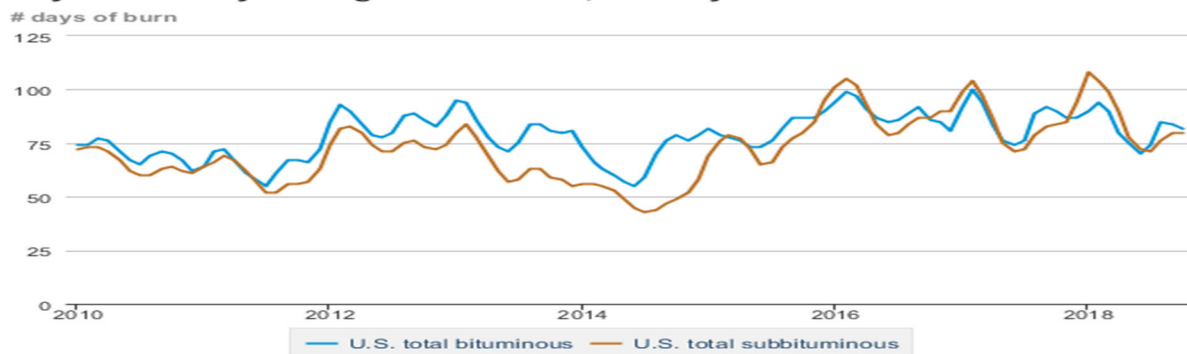
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	12/07/18	12/14/18	12/21/18	12/28/18	01/04/19	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$81.40	\$81.40	\$81.40	\$81.40	\$83.90	\$2.50
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$63.75	\$63.75	\$63.75	\$63.75	\$65.70	\$1.95
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	\$11.95	\$11.95	\$11.95	\$11.95	\$11.90	\$-0.05
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.40	\$40.40	\$40.40	\$40.40	\$40.25	\$-0.15

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



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

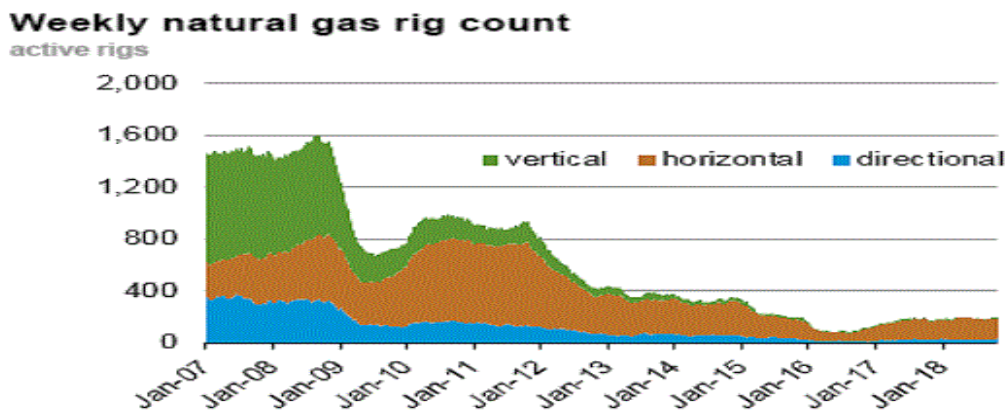
Working gas in underground storage

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*