

National Mining Association

Weekly Statistical Summary

March 29, 2019 Edition
(Data for Week Ending March 23, 2019)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 57, No. 12
Dated 03/29/19

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	03/23/19	03/24/18	% Chng	03/23/19	03/23/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	12,677	15,192	-16.6%	159,650	171,273	-6.8%
52 Weeks Ended	740,108	763,156	-3.0%			
AAR Coal Rail Cars Loaded:	73,757	87,348	-15.6%	928,438	986,345	-5.9%
Coal Production Month Ended - Feb.	Feb 19/18		% Chng	Jan - Feb 19/18		% Chng
	55,140	60,235	-8.5%	117,618	122,172	-3.7%
DOC Coal Trade (000 Tons)						
Exports:	Jan 19/18		% Chng	Jan - Jan 19/18		% Chng
Metallurgical	4,791	4,572	4.8%	4,791	4,572	4.8%
Steam Bit. *	4,441	4,193	5.9%	4,441	4,193	5.9%
Lignite	8	7	14.3%	8	7	14.3%
Anthracite	51	5	920.0%	51	5	920.0%
Total	9,291	8,777	5.9%	9,291	8,777	5.9%
Imports:	625	500	25.0%	625	500	25.0%
	Week Ended			Cumulative Week 1 to		
	03/23/19	03/24/18	% Chng	03/23/19	03/24/18	% Chng
EI Electric Total Output (Mil. Kwh)	69,913	71,792	-2.6%	927,585	934,678	-0.8%
EI Coal Region Output (Mil. Kwh)	60,240	61,494	-2.0%	797,978	805,472	-0.9%
AISI Raw Steel Output (000 Tons)	1,934	1,826	5.9%	22,244	20,860	6.6%

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)	
	03/22/19	03/15/19	% Chng	Wed.	03/20/19
Central App, 12,500 Btu, 1.2 SO ₂	\$83.45	\$83.45	0.0%	Henry Hub	2.83
Northern App, 13,000 Btu, < 3.0 SO ₂	70.05	70.05	0.0%	New York	2.75
Illinois Basin, 11,800, 5.0 SO ₂	38.20	38.20	0.0%	Chicago	2.69
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.35	12.35	0.0%	Cal.Comp.Avg.	3.05
Uinta Basin, 11,700 Btu, 0.8 SO ₂	39.20	39.20	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		
	3/23/2019 (week 12)	3/16/2019 (week 11)	3/24/2018 (week 12)	3/23/2019	3/23/2018	% Change	3/23/2019	3/24/2018	% Change
Alabama	271	268	316	3,442	3,559	-3.3	14,525	13,318	9.1
Alaska	15	15	19	183	215	-14.8	851	934	-8.9
Arizona	121	117	124	1,522	1,393	9.2	6,842	6,069	12.7
Arkansas	18	.
Colorado	232	224	265	2,937	2,989	-1.7	13,852	14,525	-4.6
Illinois	842	839	1,022	10,676	11,521	-7.3	48,017	48,105	-0.2
Indiana	605	599	686	7,706	7,732	-0.3	33,946	31,436	8.0
Kentucky Total	665	658	828	8,408	9,336	-9.9	38,412	40,519	-5.2
Eastern (KY)	299	295	362	3,770	4,081	-7.6	17,123	17,930	-4.5
Western (KY)	366	364	466	4,638	5,256	-11.8	21,289	22,588	-5.8
Louisiana	20	17	19	249	211	18.1	1,504	1,397	7.7
Maryland	20	20	31	243	346	-29.8	1,158	1,714	-32.4
Mississippi	49	48	52	628	584	7.5	2,842	2,501	13.6
Missouri	4	4	5	57	58	-2.4	256	248	3.2
Montana	670	656	733	8,433	8,269	2.0	38,389	36,810	4.3
New Mexico	115	108	164	1,419	1,847	-23.1	8,418	12,230	-31.2
North Dakota	522	509	610	6,559	6,876	-4.6	29,668	28,965	2.4
Ohio	146	149	198	1,818	2,236	-18.7	8,396	9,634	-12.9
Oklahoma	14	13	11	184	119	53.8	844	569	48.3
Pennsylvania Total	855	834	969	10,857	10,926	-0.6	48,963	48,384	1.2
Anthracite (PA)	31	31	35	390	390	-0.1	1,835	1,826	0.5
Bituminous (PA)	824	803	935	10,467	10,536	-0.7	47,128	46,559	1.2
Tennessee	3	3	5	38	52	-26.6	187	341	-45.2
Texas	396	372	491	4,878	5,535	-11.9	26,078	33,769	-22.8
Utah	246	243	294	3,064	3,317	-7.6	13,756	14,380	-4.3
Virginia	212	211	271	2,682	3,060	-12.3	12,388	13,297	-6.8
West Virginia Total	1,707	1,705	1,895	21,622	21,367	1.2	96,820	92,315	4.9
Northern (WV)	789	767	898	9,934	10,124	-1.9	45,410	45,120	0.6
Southern (WV)	918	937	997	11,687	11,243	4.0	51,411	47,195	8.9
Wyoming	4,945	4,797	6,185	62,044	69,722	-11.0	293,997	311,677	-5.7
Appalachian Total	3,513	3,484	4,047	44,472	45,627	-2.5	199,560	196,933	1.3
Interior Total	2,297	2,255	2,751	29,016	31,017	-6.5	134,776	140,631	-4.2
Western Total	6,867	6,669	8,394	86,162	94,628	-8.9	405,772	425,591	-4.7
East of Mississippi River	5,376	5,333	6,273	68,120	70,720	-3.7	305,653	301,564	1.4
West of Mississippi River	7,302	7,076	8,919	91,530	100,553	-9.0	434,455	461,591	-5.9
Bituminous and Lignite	12,647	12,378	15,158	159,260	170,883	-6.8	738,273	761,330	-3.0
Anthracite	31	31	35	390	390	-0.1	1,835	1,826	0.5
U.S. Total	12,677	12,409	15,192	159,650	171,273	-6.8	740,108	763,156	-3.0
Railroad Cars Loaded	73,757	72,190	87,348	928,438	986,345	-5.9	4,347,281	4,410,840	-1.4

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 12

OUTPUT FOR WEEK ENDED - Mar 23, 2019

Mar 27, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Mar 23, 2019** was **69,913** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **174** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended March 23		52 Weeks Ended March 23	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,156	-5.2	121,883	0.8
Mid-Atlantic	7,737	-3.7	439,883	2.4
Central Industrial	12,484	-2.2	684,196	2.8
West Central	5,676	-1.6	338,935	2.9
Southeast	17,562	-2.1	1,043,027	1.1
South Central	12,202	-2.0	761,730	3.1
Rocky Mountain	4,579	1.2	283,651	2.3
Pacific Northwest	2,937	-9.8	157,821	0.3
Pacific Southwest	4,580	-4.0	275,506	-2.3
Total United States	69,913	-2.6	4,106,632	1.8

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2019	Week Ended	2018	% Inc. (19/18)	52 Weeks Ended	2019	% Inc. (19/18)
Mar 02	76,183	Mar 03	71,725	6.2	Mar 02	4,102,527	1.8
Mar 09	81,453	Mar 10	73,613	10.7	Mar 09	4,110,367	1.9
Mar 16	70,792	Mar 17	72,648	-2.6	Mar 16	4,108,511	1.9
Mar 23	69,913	Mar 24	71,792	-2.6	Mar 23	4,106,632	1.8
Mar 23	927,585	Mar 24	934,678	-0.8	YEAR TO DATE, FIRST 12 WEEKS		

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

Week Ended	2019	Week Ended	2018	Week Ended	2017
Mar 02	177	Mar 03	166	Mar 04	155
Mar 09	191	Mar 10	172	Mar 11	156
Mar 16	174	Mar 17	179	Mar 18	173
Mar 23	174	Mar 24	178	Mar 25	163

* 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		
	23-Mar 2019 GWh Output	24-Mar 2018 GWh Output	% Increase Over Corresponding Week of 2018	23-Mar 2019 GWh Output	24-Mar 2018 GWh Output	% Increase Over Corresponding Week of 2018	23-Mar 2019 GWh Output	24-Mar 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	2,156	2,273	-5.1%	28,637	28,963	-1.1%	121,883	120,925	0.8%
Mid-Atlantic	7,737	8,032	-3.7%	102,309	102,826	-0.5%	439,883	429,500	2.4%
Central Industrial	12,484	12,770	-2.2%	162,206	162,592	-0.2%	684,196	665,615	2.8%
West Central	5,676	5,767	-1.6%	77,632	76,589	1.4%	338,935	329,425	2.9%
Southeast	17,562	17,946	-2.1%	233,437	242,312	-3.7%	1,043,027	1,031,972	1.1%
South Central	12,202	12,456	-2.0%	159,684	160,896	-0.8%	761,730	738,966	3.1%
Rocky Mountain	4,579	4,523	1.2%	62,710	60,257	4.1%	283,651	277,158	2.3%
Pacific Northwest	2,937	3,256	-9.8%	43,650	41,776	4.5%	157,821	157,390	0.3%
Pacific Southwest	4,580	4,769	-4.0%	57,321	58,466	-2.0%	275,506	282,067	-2.3%
Total United States ^{1/}	<u>69,913</u>	<u>71,792</u>	-2.6%	<u>927,586</u>	<u>934,677</u>	<u>-0.8%</u>	4,106,632	4,033,018	1.8%
Coal Regions Only ^{2/}	60,240	61,494	-2.0%	797,978	805,472	-0.9%	3,551,422	3,472,636	2.3%

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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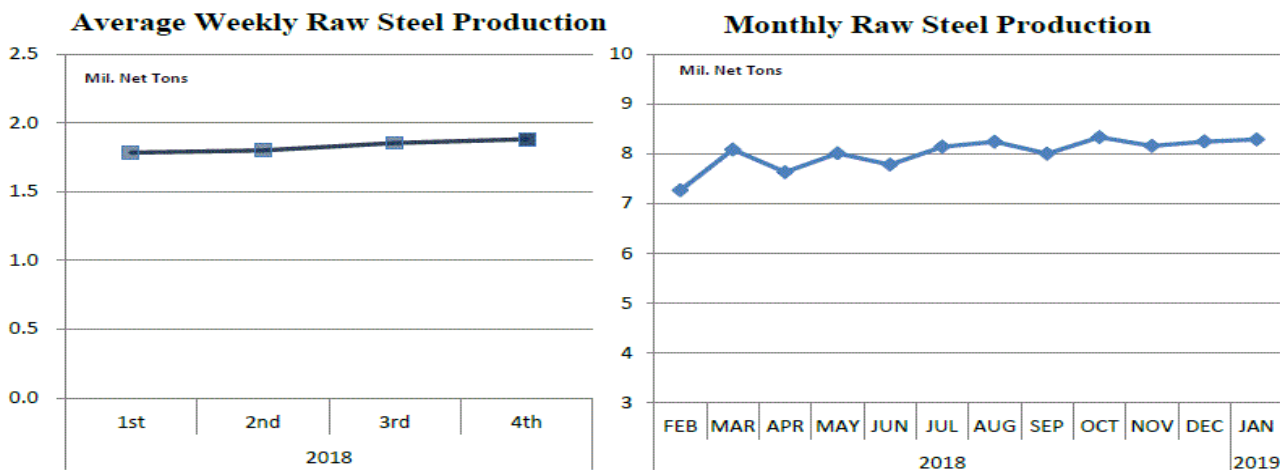
March 25, 2019

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 Mar 23</u>	<u>Week Ending Mar. 16</u>	
<u>Week Ending</u>				North East	214	226
				Great Lakes	716	729
March 23, 2019	1,934	0.2	83.1	Midwest	189	205
March 23, 2018	1,826	5.9	78.3	Southern	737	711
March 16, 2019	1,930	-0.6	82.9	Western	78	59
				Total	1,934	1,930
<u>Year-to-Date +</u>						
March 23, 2019	22,244	6.6	81.6			
March 23, 2018	20,860	-	76.6			

*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.

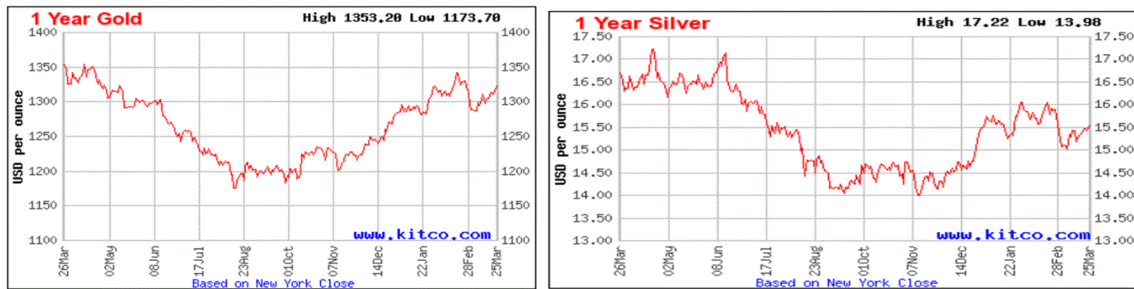
NOTE: Capacity for the first quarter 2019 is approximately 29.9 million net tons vs. 30.0 million net tons for the same period last year, and 30.8 million tons for the fourth quarter of 2018.



*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

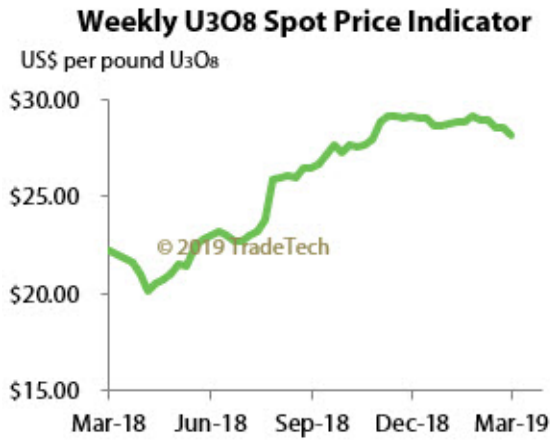
Rail Traffic Originated, by Commodity – U.S. Railroads¹
 Week 12, 2019 – Ended March 23, 2019

Commodity	This Week		Prior 4 Weeks		Year-To-Date		
	Cars	vs 2018	Avg/wk	vs 2018	Cumulative	Avg/wk	vs 2018
Agricultural and Food Products	37,515	-7.0%	35,481	-9.1%	441,050	36,754	-3.9%
Grain	22,033	-6.3%	19,962	-11.3%	254,948	21,246	-4.2%
Farm products excl. grain	788	-7.7%	706	-16.3%	9,611	801	-7.6%
Grain mill products	8,892	-8.6%	8,908	-6.4%	106,903	8,909	-4.0%
Food products	5,802	-7.3%	5,905	-3.9%	69,588	5,799	-2.1%
Chemicals and Petroleum	42,814	-2.0%	43,643	1.9%	530,679	44,223	4.4%
Chemicals	30,682	-9.2%	31,930	-3.2%	380,770	31,731	-1.1%
Petroleum & petroleum products	12,132	22.6%	11,713	18.6%	149,909	12,492	21.6%
Coal	65,317	-25.3%	78,551	-7.9%	939,652	78,304	-6.6%
Forest Products	9,746	-3.5%	9,924	-0.8%	120,309	10,026	0.4%
Primary forest products	1,056	-5.5%	1,149	5.3%	13,163	1,097	-1.6%
Lumber & wood products	3,443	-2.7%	3,218	-9.3%	39,123	3,260	-3.2%
Pulp & paper products	5,247	-3.5%	5,557	3.6%	68,023	5,669	2.9%
Metallic Ores and Metals	19,978	-10.4%	20,660	-3.3%	248,323	20,694	-0.8%
Metallic ores	3,335	-14.0%	3,544	-15.4%	47,785	3,982	-1.9%
Coke	3,078	-27.3%	3,482	-4.7%	42,623	3,552	-9.8%
Primary metal products	9,371	-5.5%	9,822	3.1%	113,202	9,434	3.4%
Iron & steel scrap	4,194	-2.0%	3,813	-4.6%	44,713	3,726	-0.2%
Motor Vehicles and Parts	17,102	2.5%	17,462	0.0%	193,158	16,097	-1.0%
Nonmetallic Minerals	35,435	-1.0%	31,600	-6.2%	371,186	30,932	-2.4%
Crushed stone, sand & gravel	23,625	-0.7%	21,012	-9.2%	242,618	20,218	-5.5%
Nonmetallic minerals	3,911	-4.4%	3,790	9.2%	46,786	3,899	10.0%
Stone, clay & glass products	7,899	0.0%	6,798	-4.1%	81,782	6,815	0.9%
Other	8,910	-5.6%	9,154	-3.5%	109,346	9,112	-2.0%
Waste & nonferrous scrap	3,664	12.3%	3,371	-3.5%	42,270	3,523	5.9%
All other carloads	5,246	-15.0%	5,784	-3.6%	67,076	5,590	-6.4%
Total Carloads	236,817	-10.9%	246,474	-4.9%	2,953,703	246,142	-2.5%
Total Intermodal Units	266,200	2.1%	268,711	-3.0%	3,208,405	267,367	-0.6%
Containers	243,035	3.3%	244,550	-3.0%	2,920,447	243,371	-0.6%
Trailers	23,165	-8.9%	24,161	-2.6%	287,958	23,997	-0.3%
Total Traffic	503,017	-4.5%	515,186	-3.9%	6,162,108	513,509	-1.5%

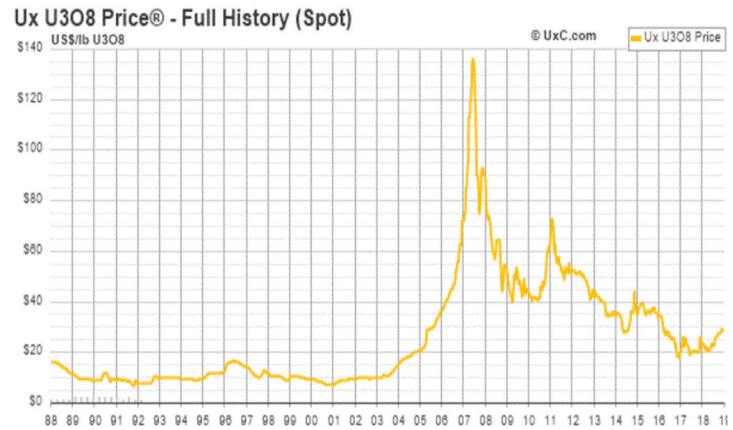
¹ Excludes U.S. operations of Canadian Pacific, CN, and GMXT.

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

Trade Tech's and UX's Uranium Price Indicators

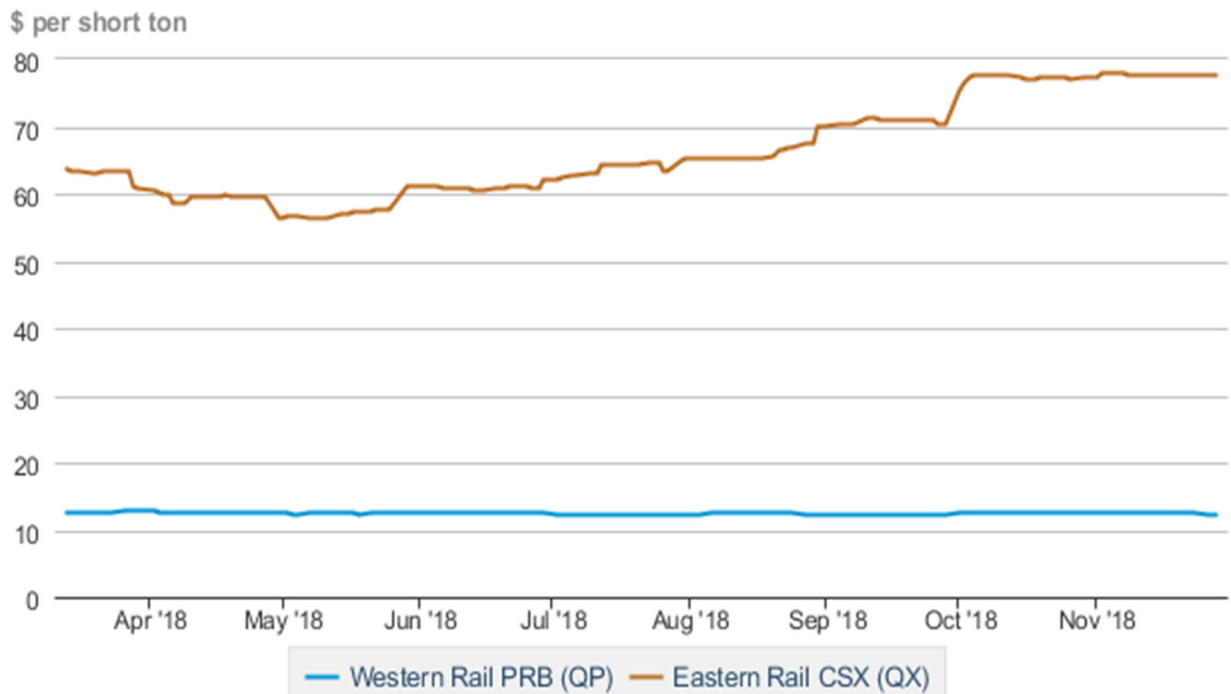


Ux U3O8 Price - Full History



Sources: Trade Tech, Uranium Info Website – www.uranium.info ; Source: 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.

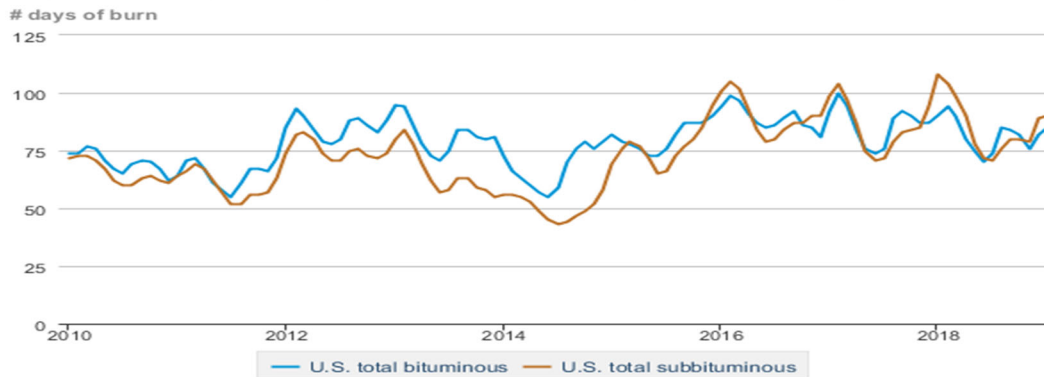
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	02/22/19	03/01/19	03/08/19	03/15/19	03/22/19	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$78.20	\$81.95	\$81.95	\$83.45	\$83.45	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$67.95	\$70.05	\$70.05	\$70.05	\$70.05	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$38.20	\$38.20	\$38.20	\$38.20	\$38.20	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.90	\$11.85	\$11.85	\$12.35	\$12.35	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$39.50	\$39.35	\$39.35	\$39.20	\$39.20	\$0.00

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

Days of burn by non-lignite coal rank, January 2009 - January 2019



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Mar 14)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	228	16	23	0	0	0
Middle Atlantic	201	3	-15	0	0	0
E N Central	190	-18	-17	0	0	0
W N Central	210	2	2	0	-1	0
South Atlantic	100	-18	-44	16	6	10
E S Central	73	-40	-60	3	-1	3
W S Central	35	-34	-18	22	12	14
Mountain	182	18	18	0	-1	0
Pacific	128	36	40	0	-1	0
United States	154	-3	-6	6	2	4

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)

dollars per million British thermal units



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	January 2019		January 2018		% Change of Stocks	December 2018		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	2,973	147	3,314	85	-10.3%	3,408	132	-12.8%
	Subbituminous	121	275	62	26	96.2%	116	225	3.7%
South	Bituminous	17,114	88	21,701	88	-21.1%	19,364	83	-11.6%
	Subbituminous	3,972	59	4,676	61	-15.0%	4,570	57	-13.1%
Midwest	Bituminous	6,955	61	11,259	81	-38.2%	8,373	64	-16.9%
	Subbituminous	21,420	100	34,154	117	-37.3%	28,020	109	-23.6%
West	Bituminous	3,585	98	4,943	127	-27.5%	3,706	87	-3.3%
	Subbituminous	18,659	90	25,660	111	-27.3%	18,440	74	1.2%
U.S. Total	Bituminous	30,628	85	41,218	90	-25.7%	34,852	82	-12.1%
	Subbituminous	44,172	90	64,551	108	-31.6%	51,146	89	-13.6%

Source: Energy Information Administration, *Electricity Monthly Update*

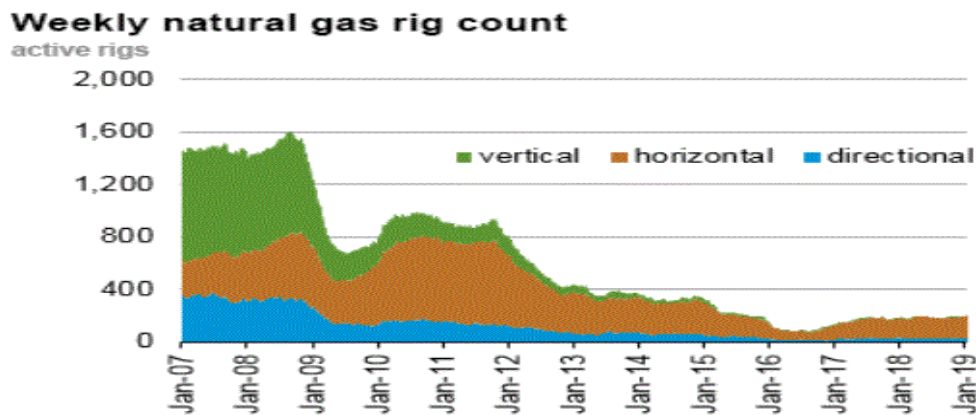
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2019-03-15	2019-03-08	change
East	245	262	-17
Midwest	268	287	-19
Mountain	62	66	-4
Pacific	96	102	-6
South Central	471	473 R	-2
Total	1,143	1,190 R	-47

Source: Form EIA-912, *Weekly Underground Natural Gas Storage Report*
 R = Revised

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		
	March 2019	April 2019	change	March 2019	April 2019	change
Anadarko	390	396	6	2,836	2,847	11
Appalachia	144	144	-	15,630	15,930	300
Bakken	1,451	1,473	22	1,933	1,942	9
Eagle Ford	1,340	1,342	2	4,894	4,895	1
Haynesville	26	26	-	9,439	9,558	119
Niobrara	1,209	1,222	13	4,127	4,127	-
Permian	611	619	8	1,211	1,221	10
Rig-weighted average	664	678	14	3,692	3,801	109

Source: Energy Information Administration, *Drilling Productivity Report*