

National Mining Association

Weekly Statistical Summary

April 26, 2019 Edition
(Data for Week Ending April 20, 2019)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 57, No. 16
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PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	04/20/19	04/21/18	% Chng	04/20/19	04/20/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,248	13,850	2.9%	209,312	226,708	-7.7%
52 Weeks Ended	736,326	762,330	-3.4%			
AAR Coal Rail Cars Loaded:	84,216	80,608	4.5%	1,222,311	1,307,820	-6.5%
Coal Production Month Ended - Mar.	Mar 19/18		% Chng	Jan - Mar 19/18		% Chng
	52,657	65,467	-19.6%	170,276	187,639	-9.3%
DOC Coal Trade (000 Tons)						
Exports:	Feb 19/18		% Chng	Jan - Feb 19/18		% Chng
Metallurgical	3,584	5,332	-32.8%	8,375	9,904	-15.4%
Steam Bit. *	3,118	3,670	-15.0%	7,558	7,863	-3.9%
Lignite	7	9	-22.2%	15	16	-6.3%
Anthracite	4	15	-73.3%	55	20	175.0%
Total	6,713	9,026	-25.6%	16,003	17,803	-10.1%
Imports:	358	349	2.6%	983	849	15.8%
	Week Ended			Cumulative Week 1 to		
	04/20/19	04/21/18	% Chng	04/20/19	04/21/18	% Chng
EI Electric Total Output (Mil. Kwh)	66,853	69,190	-3.4%	1,199,710	1,215,862	-1.3%
EI Coal Region Output (Mil. Kwh)	57,469	59,617	-3.6%	1,032,131	1,047,152	-1.4%
AISI Raw Steel Output (000 Tons)	1,903	1,780	6.9%	29,954	28,033	6.9%

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)	
	04/19/19	04/12/19	% Chng	Wed.	04/17/19
Central App, 12,500 Btu, 1.2 SO ₂	\$77.30	\$77.30	0.0%	Henry Hub	2.56
Northern App, 13,000 Btu, < 3.0 SO ₂	67.05	67.05	0.0%	New York	2.35
Illinois Basin, 11,800, 5.0 SO ₂	40.20	40.20	0.0%	Chicago	2.40
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.85	12.85	0.0%	Cal.Comp.Avg.	2.28
Uinta Basin, 11,700 Btu, 0.8 SO ₂	36.80	36.80	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



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THE AMERICAN RESOURCE

National Mining Association Web Site: [http:// www.nma.org](http://www.nma.org)

EIA Estimated Weekly U.S. Coal Production Overview

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	4/20/2019 (week 16)	4/13/2019 (week 15)	4/21/2018 (week 16)	4/20/2019	4/20/2018	% Change	4/20/2019	4/21/2018	% Change
Alabama	311	299	271	4,512	4,664	-3.3	14,564	13,377	8.9
Alaska	16	15	14	238	276	-13.8	883	931	-5.2
Arizona	138	132	130	1,998	1,892	5.6	6,640	6,141	8.1
Arkansas	13	.
Colorado	269	262	290	3,879	4,091	-5.2	13,775	14,372	-4.2
Illinois	984	941	929	14,045	15,243	-7.9	48,137	48,022	0.2
Indiana	717	706	679	10,231	10,385	-1.5	34,538	31,767	8.7
Kentucky Total	744	731	765	11,027	12,385	-11.0	38,209	40,374	-5.4
Eastern (KY)	312	309	334	4,877	5,414	-9.9	16,422	17,888	-8.2
Western (KY)	432	422	430	6,150	6,972	-11.8	21,787	22,486	-3.1
Louisiana	37	33	34	370	328	12.7	1,521	1,346	13.0
Maryland	18	18	22	308	441	-30.0	1,092	1,661	-34.3
Mississippi	70	66	59	863	806	7.0	2,989	2,484	20.3
Missouri	5	5	5	75	78	-4.1	255	249	2.4
Montana	740	712	695	10,989	11,020	-0.3	38,489	37,280	3.2
New Mexico	142	144	133	1,942	2,399	-19.1	10,318	11,568	-10.8
North Dakota	572	554	527	8,550	9,021	-5.2	29,104	29,107	s
Ohio	155	143	128	2,331	2,811	-17.1	8,485	9,493	-10.6
Oklahoma	21	20	19	255	185	37.7	784	590	32.9
Pennsylvania Total	971	971	1,035	14,332	14,889	-3.7	49,127	48,602	1.1
Anthracite (PA)	38	36	37	518	532	-2.8	1,851	1,820	1.7
Bituminous (PA)	933	935	997	13,814	14,356	-3.8	47,276	46,782	1.1
Tennessee	3	3	3	48	66	-27.1	172	318	-45.9
Texas	397	383	497	6,273	7,466	-16.0	23,565	33,211	-29.0
Utah	244	233	233	3,905	4,292	-9.0	13,174	14,331	-8.1
Virginia	240	233	241	3,519	4,030	-12.7	12,365	13,213	-6.4
West Virginia Total	1,944	1,860	1,918	28,273	28,818	-1.9	94,406	92,836	1.7
Northern (WV)	887	868	897	13,056	13,622	-4.2	45,186	45,167	s
Southern (WV)	1,057	991	1,021	15,218	15,197	0.1	49,219	47,668	3.3
Wyoming	5,510	5,361	5,224	81,349	91,121	-10.7	293,737	311,045	-5.6
Appalachian Total	3,954	3,835	3,951	58,200	61,133	-4.8	196,632	197,387	-0.4
Interior Total	2,663	2,575	2,652	38,261	41,463	-7.7	133,575	140,168	-4.7
Western Total	7,631	7,415	7,247	112,850	124,113	-9.1	406,119	424,775	-4.4
East of Mississippi River	6,157	5,969	6,048	89,489	94,539	-5.3	304,083	302,146	0.6
West of Mississippi River	8,091	7,855	7,802	119,822	132,169	-9.3	432,243	460,183	-6.1
Bituminous and Lignite	14,209	13,789	13,813	208,794	226,176	-7.7	734,475	760,510	-3.4
Anthracite	38	36	37	518	532	-2.8	1,851	1,820	1.7
U.S. Total	14,248	13,825	13,850	209,312	226,708	-7.7	736,326	762,330	-3.4
Railroad Cars Loaded	84,216	82,065	80,608	1,222,311	1,307,820	-6.5	4,320,553	4,418,893	-2.2

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 16

OUTPUT FOR WEEK ENDED - Apr 20, 2019

Apr 24, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Apr 20, 2019** was **66,853** 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 April 20		52 Weeks Ended April 20	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	1,925	-5.5	121,461	0.5
Mid-Atlantic	6,881	-9.5	438,100	1.6
Central Industrial	11,540	-7.5	681,370	1.9
West Central	5,578	-6.1	337,744	2.2
Southeast	16,757	-1.7	1,041,336	0.8
South Central	12,417	0.9	761,808	3.2
Rocky Mountain	4,296	1.0	283,537	2.3
Pacific Northwest	2,784	-4.8	157,278	-0.3
Pacific Southwest	4,675	1.4	274,938	-2.5
Total United States	66,853	-3.4	4,097,572	1.4

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2019	Week Ended	2018	% Inc. (19/18)	52 Weeks Ended	2019	% Inc. (19/18)
Mar 30	68,088	Mar 31	70,174	-3.0	Mar 30	4,104,545	1.8
Apr 06	68,805	Apr 07	70,814	-2.8	Apr 06	4,102,536	1.6
Apr 13	68,379	Apr 14	71,006	-3.7	Apr 13	4,099,909	1.5
Apr 20	66,853	Apr 21	69,190	-3.4	Apr 20	4,097,572	1.4
Apr 20	1,199,710	Apr 21	1,215,862	-1.3	YEAR TO DATE, FIRST 16 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2019	Week Ended	2018	Week Ended	2017
Mar 30	175	Mar 31	175	Apr 01	167
Apr 06	180	Apr 07	180	Apr 08	167
Apr 13	180	Apr 14	182	Apr 15	167
Apr 20	176	Apr 21	178	Apr 22	170

* 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		
	20-Apr 2019 GWh Output	21-Apr 2018 GWh Output	% Increase Over Corresponding Week of 2018	20-Apr 2019 GWh Output	21-Apr 2018 GWh Output	% Increase Over Corresponding Week of 2018	20-Apr 2019 GWh Output	21-Apr 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	1,925	2,038	-5.5%	36,645	37,393	-2.0%	121,461	120,910	0.5%
Mid-Atlantic	6,881	7,602	-9.5%	130,703	133,002	-1.7%	438,100	431,056	1.6%
Central Industrial	11,540	12,471	-7.5%	209,008	212,219	-1.5%	681,370	668,714	1.9%
West Central	5,578	5,943	-6.1%	100,149	100,297	-0.1%	337,744	330,522	2.2%
Southeast	16,757	17,046	-1.7%	301,852	312,419	-3.4%	1,041,336	1,032,971	0.8%
South Central	12,417	12,301	0.9%	209,966	211,100	-0.5%	761,808	738,456	3.2%
Rocky Mountain	4,296	4,254	1.0%	80,453	78,115	3.0%	283,537	277,222	2.3%
Pacific Northwest	2,784	2,923	-4.8%	55,237	53,905	2.5%	157,278	157,715	-0.3%
Pacific Southwest	4,675	4,612	1.4%	75,698	77,411	-2.2%	274,938	281,911	-2.5%
Total United States ^{1/}	66,853	69,190	-3.4%	1,199,711	1,215,861	-1.3%	4,097,572	4,039,477	1.4%
Coal Regions Only ^{2/}	57,469	59,617	-3.6%	1,032,131	1,047,152	-1.4%	3,543,895	3,478,941	1.9%

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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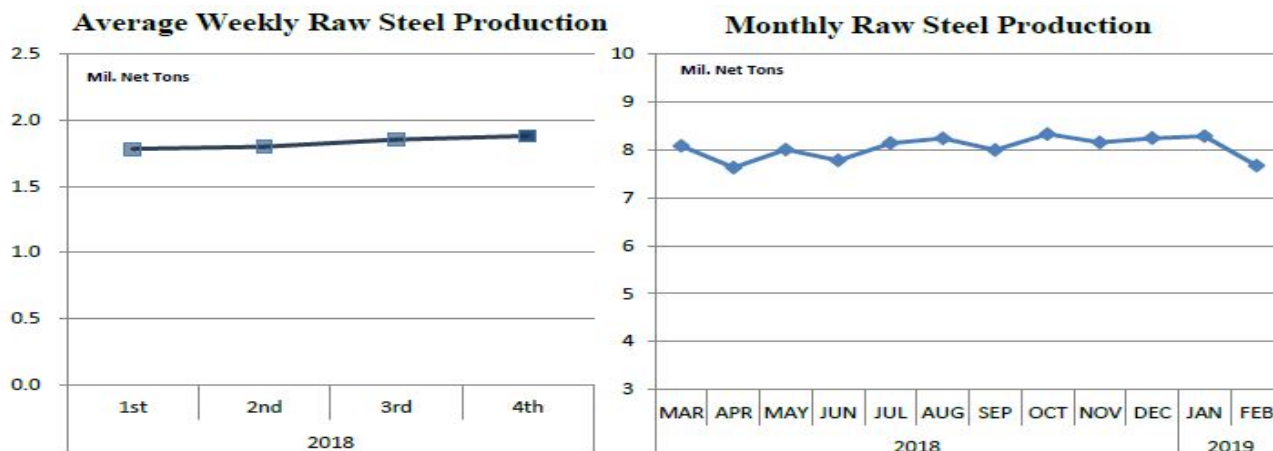
April 22, 2019

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</u>		
				<u>Apr. 20</u>	<u>Apr. 13</u>	
<u>Week Ending</u>				North East	186	184
				Great Lakes	741	725
April 20, 2019	1,903	-0.6	81.8	Midwest	186	183
April 20, 2018	1,780	6.9	76.0	Southern	720	748
April 13, 2019	1,915	-0.7	82.3	Western	70	75
				Total	1,903	1,915
<u>Year-to-Date +</u>						
April 20 2019	29,954	6.9	81.9			
April 20, 2018	28,033	-	76.4			

*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

U.S. Rail Traffic¹

Week 16, 2019 – Ended April 20, 2019

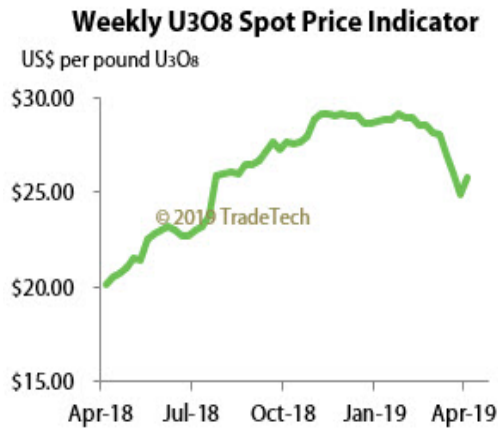
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	262,011	-0.9%	3,969,837	248,115	-2.7%
Chemicals	32,090	-0.7%	511,382	31,961	-1.0%
Coal	84,216	4.6%	1,241,965	77,623	-6.4%
Farm Products excl. Grain, and Food	15,188	-2.3%	249,248	15,578	-3.2%
Forest Products	9,390	-6.0%	159,283	9,955	-0.6%
Grain	24,770	-4.5%	345,738	21,609	-5.1%
Metallic Ores and Metals	21,849	-9.0%	339,591	21,224	-2.1%
Motor Vehicles and Parts	16,403	-9.4%	262,624	16,414	-1.6%
Nonmetallic Minerals	35,562	-9.7%	511,474	31,967	-3.5%
Petroleum and Petroleum Products	12,889	37.8%	200,453	12,528	23.6%
Other	9,654	3.4%	148,079	9,255	-0.8%
Total Intermodal Units	264,130	-3.9%	4,266,729	266,671	-1.0%
Total Traffic	526,141	-2.4%	8,236,566	514,785	-1.8%

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

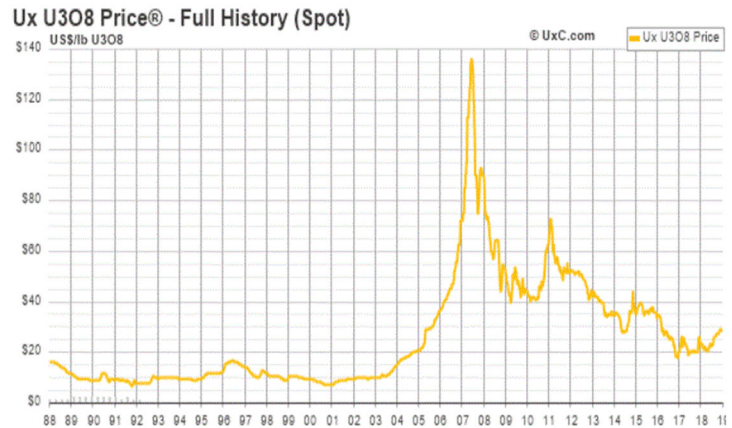
² Average per week figures may not sum to totals as a result of independent rounding.

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

Trade Tech's and UX's Uranium Price Indicators

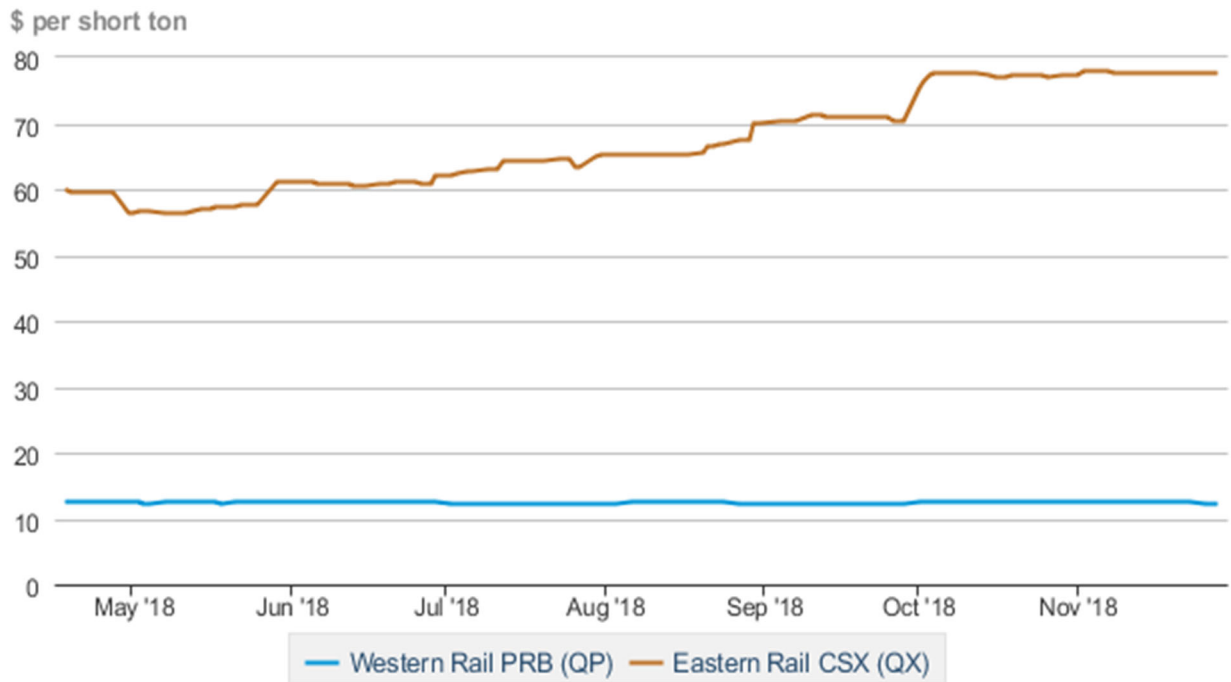


Ux U3O8 Price - Full History



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

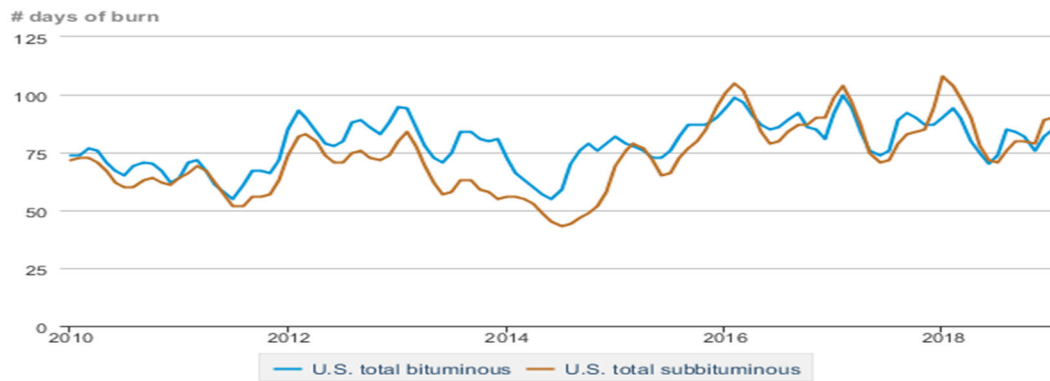
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago change
	03/22/19	03/29/19	04/05/19	04/12/19	04/19/19	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$83.45	\$80.50	\$80.50	\$77.30	\$77.30	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$70.05	\$70.20	\$70.20	\$67.05	\$67.05	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$38.20	\$37.45	\$37.45	\$40.20	\$40.20	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.35	\$12.80	\$12.80	\$12.85	\$12.85	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$39.20	\$38.80	\$38.80	\$36.80	\$36.80	\$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 Apr 11)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	157	7	-37	0	0	0
Middle Atlantic	109	-24	-82	0	0	0
E N Central	91	-46	-103	0	0	0
W N Central	94	-37	-114	0	-1	0
South Atlantic	33	-36	-82	29	16	11
E S Central	21	-42	-93	13	8	13
W S Central	9	-22	-42	37	21	29
Mountain	97	-27	-36	7	1	5
Pacific	57	-15	-6	0	-2	0
United States	74	-30	-68	11	6	6

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 - 4th Quarter	2017 Year to Date - 4th Quarter	Percent Change
Aluminum, secondary (000 Mt.)	829.0	837.0	-1%
Cement (Mil. Mt.)	85.3	84.2	1%
Copper (000 Mt.)	1,220.0	1,260.0	-3%
Gold (Mt.)	211.3	237.0	-11%
Gypsum (Mil. Mt.)	17.3	16.8	3%
Iron Ore (Mil. Mt.)	49.3	47.6	4%
Lead (000 Mt.)	W	302.0	N/A
Molybdenum (000 Mt.)	41.9	40.7	3%
Phosphate rock (Mil. Mt.)	25.7	27.9	-8%
Sand & gravel, construction (Mil. Mt.)	961.0	902.0	7%
Silver (Mt.)	923.0	1,030.0	-10%
Soda ash (Mil. Mt.)	11.8	12.0	-2%
Stone, crushed (Mil. Mt.)	1,410.0	1,350.0	4%
Zinc (000 Mt.)	812.0	748.0	9%

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



eia Source: Natural Gas Intelligence

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*

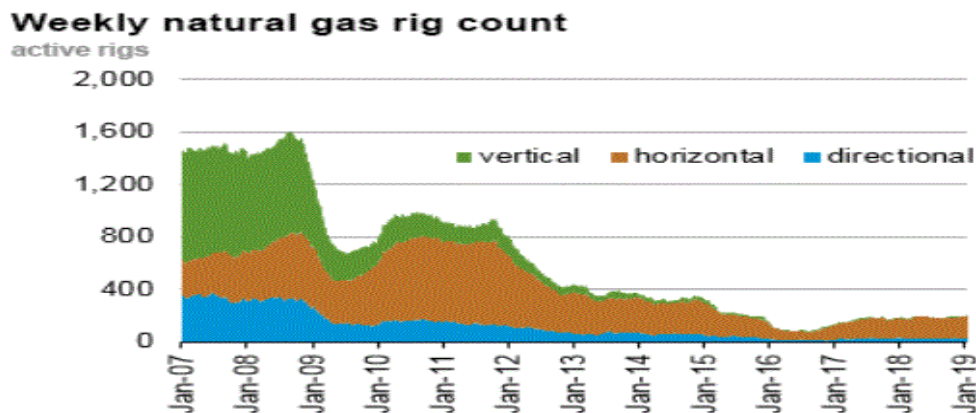
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2019-04-12	2019-04-05	change
East	228	209	19
Midwest	254	240	14
Mountain	66	64	2
Pacific	128	119	9
South Central	571	523	48
Total	1,247	1,155	92

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		
	April 2019	May 2019	change	April 2019	May 2019	change
Anadarko	396	404	8	2,840	2,856	16
Appalachia	144	145	1	15,930	15,930	-
Bakken	1,401	1,407	6	1,953	1,953	-
Eagle Ford	1,341	1,344	3	4,892	4,902	10
Haynesville	26	26	-	9,825	9,942	117
Niobrara	1,267	1,278	11	4,164	4,171	7
Permian	618	650	32	1,248	1,286	38
Rig-weighted average	676	692	16	3,834	3,932	98

Source: Energy Information Administration, *Drilling Productivity Report*