

National Mining Association

Weekly Statistical Summary

April 19, 2019 Edition
(Data for Week Ending April 13, 2019)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 57, No. 15
Dated 04/19/19

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	04/13/19	04/14/18	% Chng	04/13/19	04/13/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	13,825	13,020	6.2%	195,064	212,966	-8.4%
52 Weeks Ended	735,928	762,224	-3.4%			
AAR Coal Rail Cars Loaded:	82,065	75,048	9.4%	1,138,095	1,227,842	-7.3%
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		
	04/13/19	04/14/18	% Chng	04/13/19	04/14/18	% Chng
EI Electric Total Output (Mil. Kwh)	68,379	71,006	-3.7%	1,132,857	1,146,672	-1.2%
EI Coal Region Output (Mil. Kwh)	58,824	61,050	-3.6%	974,662	987,535	-1.3%
AISI Raw Steel Output (000 Tons)	1,915	1,780	7.6%	28,051	26,253	6.8%

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)	
	04/12/19	04/05/19	% Chng	Wed.	04/10/19
Central App, 12,500 Btu, 1.2 SO ₂	\$77.30	\$80.50	-4.0%	Henry Hub	2.69
Northern App, 13,000 Btu, < 3.0 SO ₂	67.05	70.20	-4.5%	New York	2.55
Illinois Basin, 11,800, 5.0 SO ₂	40.20	37.45	7.3%	Chicago	2.62
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.85	12.80	0.4%	Cal.Comp.Avg.	2.64
Uinta Basin, 11,700 Btu, 0.8 SO ₂	36.80	38.80	-5.2%		

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		
	4/13/2019 (week 15)	4/6/2019 (week 14)	4/14/2018 (week 15)	4/13/2019	4/13/2018	% Change	4/13/2019	4/14/2018	% Change
Alabama	299	264	255	4,201	4,395	-4.4	14,524	13,367	8.7
Alaska	15	13	13	222	262	-15.2	881	932	-5.5
Arizona	132	120	122	1,861	1,763	5.5	6,632	6,113	8.5
Arkansas	14	.
Colorado	262	239	272	3,610	3,804	-5.1	13,796	14,404	-4.2
Illinois	941	834	873	13,061	14,321	-8.8	48,082	48,036	0.1
Indiana	706	641	638	9,514	9,712	-2.0	34,499	31,653	9.0
Kentucky Total	731	662	719	10,283	11,627	-11.6	38,230	40,385	-5.3
Eastern (KY)	309	281	314	4,565	5,082	-10.2	16,444	17,893	-8.1
Western (KY)	422	382	405	5,719	6,545	-12.6	21,786	22,492	-3.1
Louisiana	33	30	32	333	294	13.3	1,518	1,346	12.8
Maryland	18	17	21	290	419	-30.7	1,095	1,676	-34.7
Mississippi	66	59	55	792	748	6.0	2,977	2,486	19.8
Missouri	5	5	5	70	73	-4.6	255	249	2.4
Montana	712	641	654	10,249	10,330	-0.8	38,444	37,158	3.5
New Mexico	144	143	125	1,800	2,267	-20.6	10,308	11,742	-12.2
North Dakota	554	503	496	7,979	8,498	-6.1	29,060	29,063	s
Ohio	143	124	120	2,177	2,684	-18.9	8,458	9,542	-11.4
Oklahoma	20	18	18	233	166	40.7	782	582	34.4
Pennsylvania Total	971	890	973	13,360	13,862	-3.6	49,190	48,499	1.4
Anthracite (PA)	36	32	35	479	495	-3.2	1,850	1,819	1.7
Bituminous (PA)	935	858	938	12,881	13,367	-3.6	47,340	46,680	1.4
Tennessee	3	3	3	45	63	-27.7	172	324	-46.9
Texas	383	349	467	5,876	6,973	-15.7	23,665	33,324	-29.0
Utah	233	209	219	3,661	4,061	-9.8	13,163	14,348	-8.3
Virginia	233	210	226	3,279	3,792	-13.5	12,366	13,229	-6.5
West Virginia Total	1,860	1,657	1,803	26,329	26,916	-2.2	94,379	92,632	1.9
Northern (WV)	868	790	843	12,168	12,732	-4.4	45,196	45,105	0.2
Southern (WV)	991	867	960	14,161	14,184	-0.2	49,184	47,527	3.5
Wyoming	5,361	4,889	4,911	75,839	85,937	-11.8	293,451	311,122	-5.7
Appalachian Total	3,835	3,445	3,714	54,247	57,213	-5.2	196,630	197,161	-0.3
Interior Total	2,575	2,318	2,493	35,598	38,831	-8.3	133,564	140,182	-4.7
Western Total	7,415	6,757	6,813	105,220	116,922	-10.0	405,735	424,880	-4.5
East of Mississippi River	5,969	5,361	5,686	83,332	88,538	-5.9	303,974	301,828	0.7
West of Mississippi River	7,855	7,159	7,335	111,732	124,428	-10.2	431,954	460,396	-6.2
Bituminous and Lignite	13,789	12,488	12,985	194,585	212,470	-8.4	734,078	760,405	-3.5
Anthracite	36	32	35	479	495	-3.2	1,850	1,819	1.7
U.S. Total	13,825	12,520	13,020	195,064	212,966	-8.4	735,928	762,224	-3.4
Railroad Cars Loaded	82,065	75,048	75,778	1,138,095	1,227,842	-7.3	4,316,945	4,415,149	-2.2

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 15

OUTPUT FOR WEEK ENDED - Apr 13, 2019

Apr 17, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Apr 13, 2019** was **68,379** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **180** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended April 13		52 Weeks Ended April 13	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,020	-4.5	121,575	0.6
Mid-Atlantic	6,900	-7.7	438,821	1.9
Central Industrial	11,328	-7.8	682,301	2.2
West Central	5,727	-5.2	338,109	2.4
Southeast	17,362	-4.0	1,041,625	0.8
South Central	12,942	2.9	761,692	3.0
Rocky Mountain	4,565	-0.2	283,495	2.2
Pacific Northwest	2,957	-1.1	157,417	-0.1
Pacific Southwest	4,578	-5.6	274,875	-2.6
Total United States	68,379	-3.7	4,099,910	1.5

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2019	Week Ended	2018	% Inc. (19/18)	52 Weeks Ended	2019	% Inc. (19/18)
Mar 23	69,913	Mar 24	71,792	-2.6	Mar 23	4,106,632	1.8
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 13	1,132,857	Apr 14	1,146,672	-1.2	YEAR TO DATE, FIRST 15 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2019	Week Ended	2018	Week Ended	2017
Mar 23	174	Mar 24	178	Mar 25	163
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

* 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		
	13-Apr 2019 GWh Output	14-Apr 2018 GWh Output	% Increase Over Corresponding Week of 2018	13-Apr 2019 GWh Output	14-Apr 2018 GWh Output	% Increase Over Corresponding Week of 2018	13-Apr 2019 GWh Output	14-Apr 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	2,020	2,114	-4.4%	34,720	35,355	-1.8%	121,575	120,880	0.6%
Mid-Atlantic	6,900	7,474	-7.7%	123,822	125,400	-1.3%	438,821	430,455	1.9%
Central Industrial	11,328	12,289	-7.8%	197,468	199,748	-1.1%	682,301	667,680	2.2%
West Central	5,727	6,042	-5.2%	94,571	94,354	0.2%	338,109	330,160	2.4%
Southeast	17,362	18,090	-4.0%	285,095	295,373	-3.5%	1,041,625	1,033,437	0.8%
South Central	12,942	12,580	2.9%	197,549	198,799	-0.6%	761,692	739,201	3.0%
Rocky Mountain	4,565	4,575	-0.2%	76,157	73,861	3.1%	283,495	277,468	2.2%
Pacific Northwest	2,957	2,991	-1.1%	52,453	50,982	2.9%	157,417	157,583	-0.1%
Pacific Southwest	4,578	4,851	-5.6%	71,023	72,799	-2.4%	274,875	282,239	-2.6%
Total United States ^{1/}	68,379	71,006	-3.7%	1,132,858	1,146,671	-1.2%	4,099,910	4,039,103	1.5%
Coal Regions Only ^{2/}	58,824	61,050	-3.6%	974,662	987,535	-1.3%	3,546,043	3,478,401	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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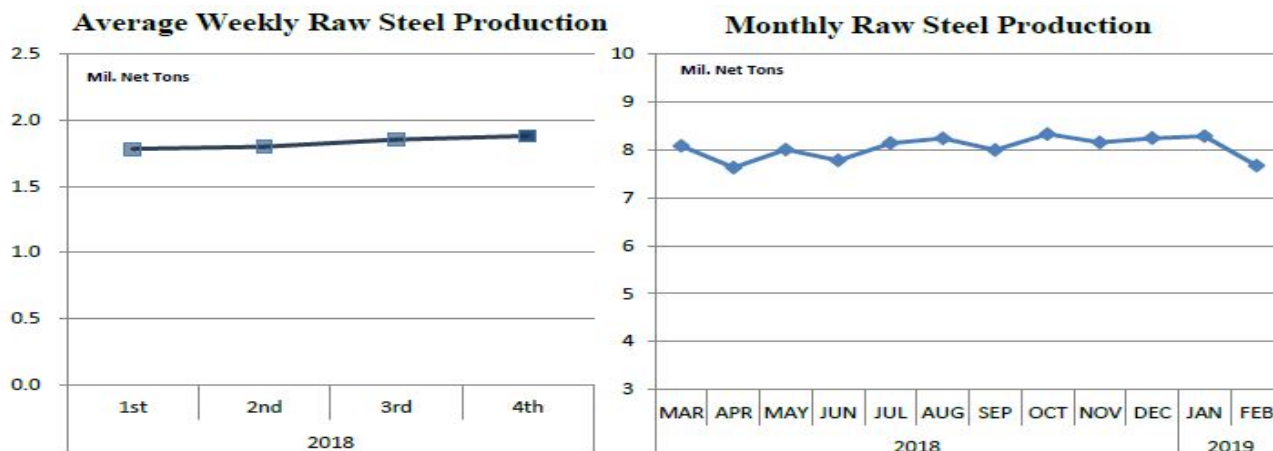
April 15, 2019

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. 13</u>	<u>Apr. 6</u>	
<u>Week Ending</u>				North East	184	205
				Great Lakes	725	706
April 13, 2019	1,915	-0.7	82.3	Midwest	183	195
April 13, 2018	1,780	7.6	76.0	Southern	748	746
April 6, 2019	1,928	0.8	82.8	Western	75	76
				Total	1,915	1,928
<u>Year-to-Date +</u>						
April 13, 2019	28,051	6.8	81.9			
April 13, 2018	26,253	-	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 15, 2019 – Ended April 13, 2019

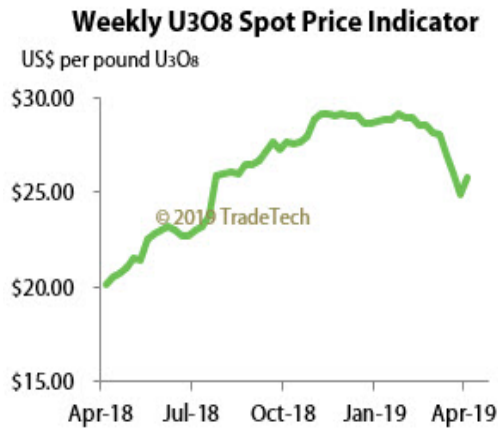
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	260,800	1.0%	3,707,826	247,188	-2.8%
Chemicals	32,355	1.2%	479,292	31,953	-1.1%
Coal	82,065	8.3%	1,157,749	77,183	-7.1%
Farm Products excl. Grain, and Food	16,178	-3.9%	234,060	15,604	-3.3%
Forest Products	9,732	-1.6%	149,893	9,993	-0.2%
Grain	21,640	-4.4%	320,968	21,398	-5.1%
Metallic Ores and Metals	23,935	-3.8%	317,742	21,183	-1.6%
Motor Vehicles and Parts	17,704	-5.9%	246,221	16,415	-1.1%
Nonmetallic Minerals	34,173	-9.7%	475,912	31,727	-3.0%
Petroleum and Petroleum Products	13,387	38.7%	187,564	12,504	22.8%
Other	9,631	-3.5%	138,425	9,228	-1.1%
Total Intermodal Units	267,367	-3.2%	4,002,599	266,840	-0.8%
Total Traffic	528,167	-1.2%	7,710,425	514,028	-1.8%

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

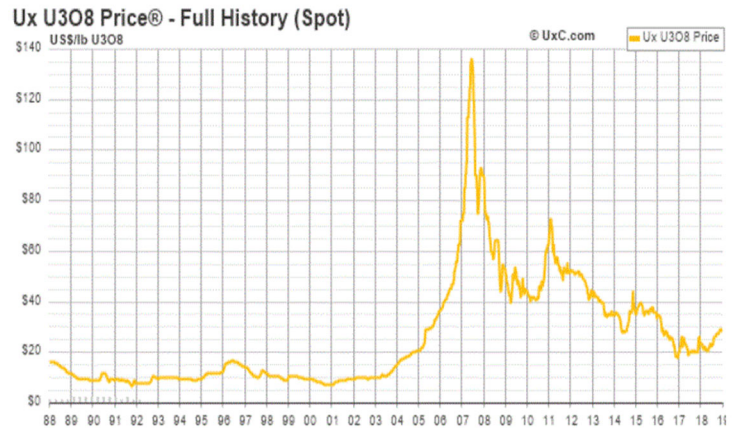
² Average per week figures may not sum to totals as a result of independent rounding.

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

Trade Tech's and UX's Uranium Price Indicators

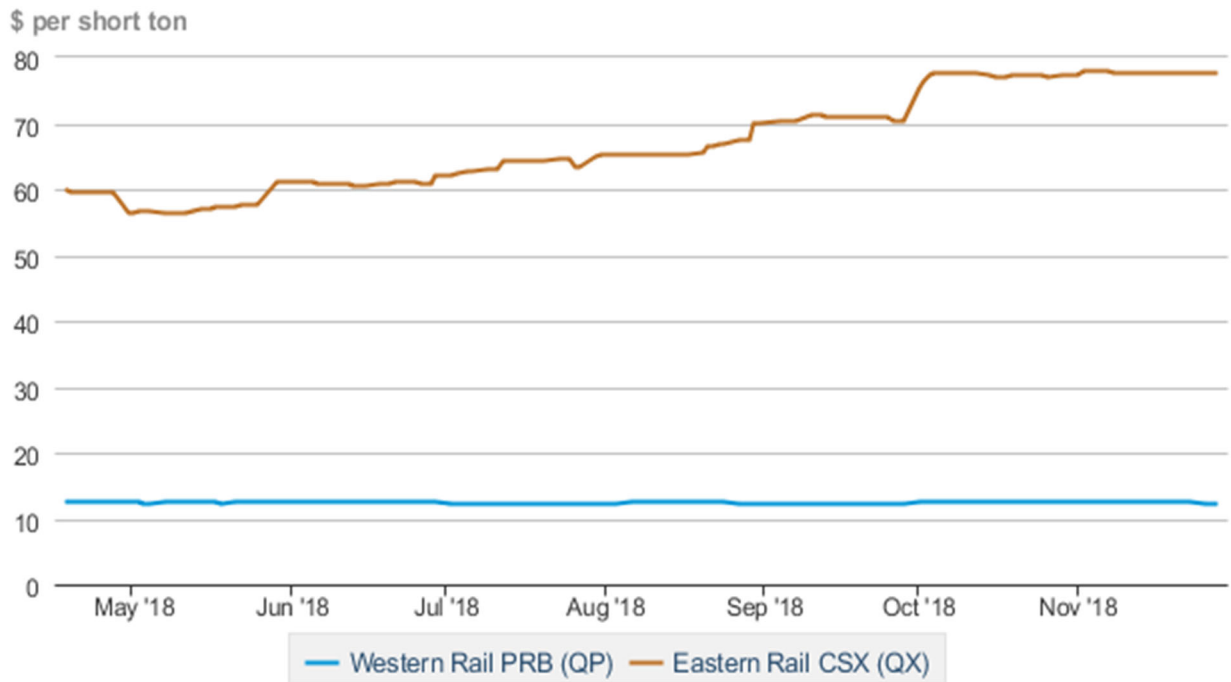


Ux U3O8 Price - Full History



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.

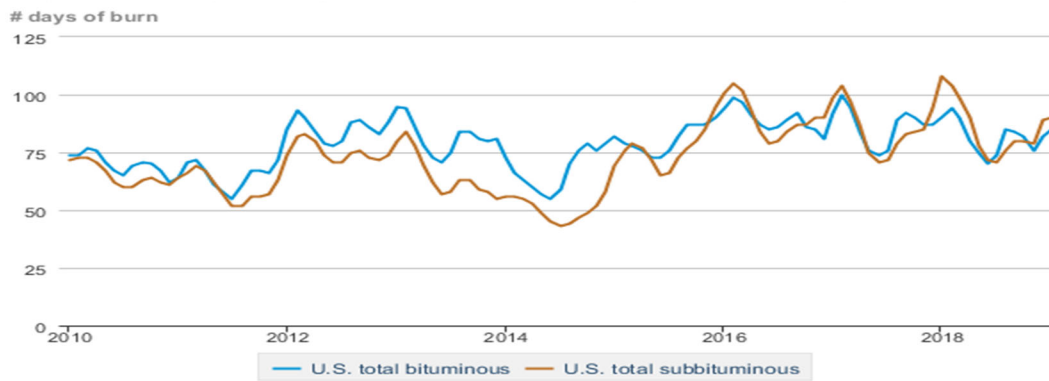
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago change
	03/15/19	03/22/19	03/29/19	04/05/19	04/12/19	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$83.45	\$83.45	\$80.50	\$80.50	\$77.30	\$-3.20
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$70.05	\$70.05	\$70.20	\$70.20	\$67.05	\$-3.15
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$38.20	\$38.20	\$37.45	\$37.45	\$40.20	\$2.75
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.35	\$12.35	\$12.80	\$12.80	\$12.85	\$0.05
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$39.20	\$39.20	\$38.80	\$38.80	\$36.80	\$-2.00

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 04)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	144	-22	-26	0	0	0
Middle Atlantic	137	-13	-22	0	0	0
E N Central	168	13	-12	0	0	0
W N Central	173	23	-40	0	-1	0
South Atlantic	85	5	0	12	-1	-7
E S Central	91	16	16	0	-5	0
W S Central	64	24	24	11	-4	-5
Mountain	131	-4	-20	3	-2	3
Pacific	65	-13	1	0	-2	0
United States	120	4	-9	4	0	-2

Note: HDD = heating degree day; CDD = cooling degree day

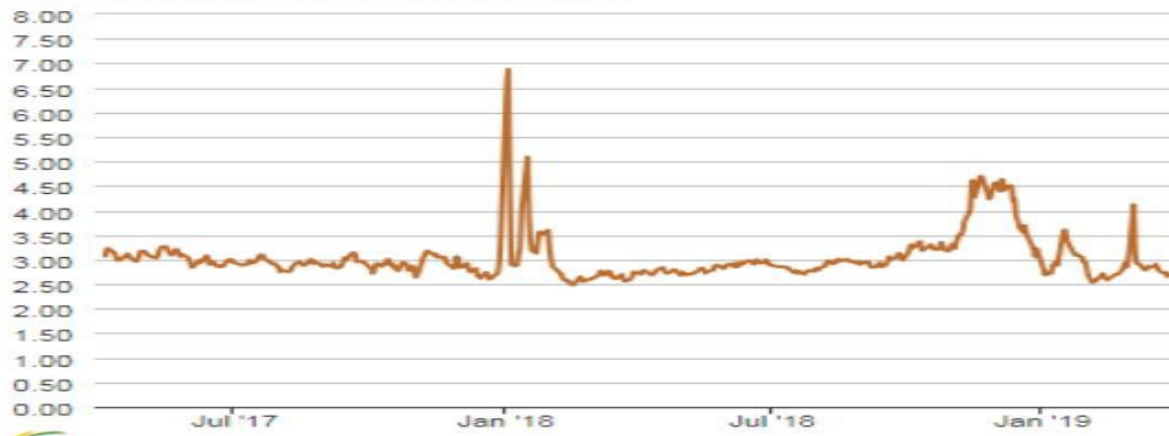
Source: Energy Information Administration, *Natural Gas Weekly Update*.

USGS Production of Selected Mineral Commodities	2018 Year to Date - 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



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*

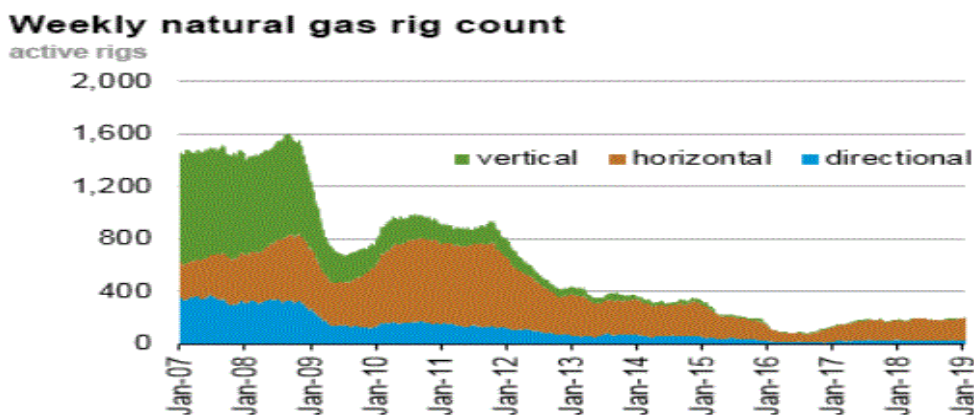
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2019-04-05	2019-03-29	change
East	209	210	-1
Midwest	240	241	-1
Mountain	64	64	0
Pacific	119 C	113	6
South Central	523 C	502	21
Total	1,155 C	1,130	25

Source: Form EIA-912, *Weekly Underground Natural Gas Storage Report*
C = Reclassification
 Reclassifications from working gas to base gas resulted in decreased working gas stocks of 1 Bcf in the Pacific region and 2 Bcf in the South Central Salt region for the week ending April 5, 2019.

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*