

National Mining Association

Weekly Statistical Summary

May 24, 2019 Edition
(Data for Week Ending May 18, 2019)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 57, No. 20
Dated 05/24/19

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	05/18/19	05/19/18	% Chng	05/18/19	05/18/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,316	13,491	6.1%	265,360	281,132	-5.6%
52 Weeks Ended	737,997	762,648	-3.2%			
AAR Coal Rail Cars Loaded:	84,256	78,519	7.3%	1,552,519	1,624,577	-4.4%
Coal Production Month Ended - Apr.	Apr 19/18		% Chng	Jan - Apr 19/18		% Chng
	58,765	58,032	1.3%	229,041	245,671	-6.8%
DOC Coal Trade (000 Tons)						
Exports:	Mar 19/18		% Chng	Jan - Mar 19/18		% Chng
Metallurgical	5,489	4,970	10.4%	13,864	14,875	-6.8%
Steam Bit. *	3,720	4,446	-16.3%	11,278	12,309	-8.4%
Lignite	7	7	0.0%	22	23	-4.3%
Anthracite	6	6	0.0%	61	26	134.6%
Total	9,222	9,429	-2.2%	25,225	27,233	-7.4%
Imports:	706	518	36.3%	1,689	1,367	23.6%
	Week Ended			Cumulative Week 1 to		
	05/18/19	05/19/18	% Chng	05/18/19	05/19/18	% Chng
EI Electric Total Output (Mil. Kwh)	70,927	76,149	-6.9%	1,478,240	1,503,439	-1.7%
EI Coal Region Output (Mil. Kwh)	61,622	66,686	-7.6%	1,272,899	1,296,279	-1.8%
AISI Raw Steel Output (000 Tons)	1,900	1,808	5.1%	37,525	35,225	6.5%

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)	
	05/17/19	05/10/19	% Chng	Wed.	05/15/19
Central App, 12,500 Btu, 1.2 SO ₂	\$76.45	\$76.45	0.0%	Henry Hub	2.61
Northern App, 13,000 Btu, < 3.0 SO ₂	61.35	61.35	0.0%	New York	2.33
Illinois Basin, 11,800, 5.0 SO ₂	40.20	40.20	0.0%	Chicago	2.33
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.40	12.40	0.0%	Cal.Comp.Avg.	2.50
Uinta Basin, 11,700 Btu, 0.8 SO ₂	36.50	36.50	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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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		
	5/18/2019 (week 20)	5/11/2019 (week 19)	5/19/2018 (week 20)	5/18/2019	5/18/2018	% Change	5/18/2019	5/19/2018	% Change
Alabama	301	299	264	5,711	5,729	-0.3	14,698	13,416	9.6
Alaska	15	15	14	298	332	-10.2	887	929	-4.5
Arizona	138	132	126	2,538	2,401	5.7	6,670	6,250	6.7
Arkansas	8	.
Colorado	275	259	282	4,948	5,229	-5.4	13,707	14,246	-3.8
Illinois	951	945	905	17,827	18,894	-5.6	48,271	47,962	0.6
Indiana	736	689	661	13,094	13,052	0.3	34,737	32,212	7.8
Kentucky Total	756	715	745	13,979	15,389	-9.2	38,159	40,325	-5.4
Eastern (KY)	320	300	326	6,122	6,727	-9.0	16,355	17,869	-8.5
Western (KY)	436	415	419	7,857	8,663	-9.3	21,804	22,456	-2.9
Louisiana	35	35	33	508	462	9.8	1,524	1,345	13.3
Maryland	18	17	21	380	526	-27.7	1,078	1,602	-32.7
Mississippi	68	68	57	1,132	1,038	9.1	3,026	2,476	22.2
Missouri	5	5	5	95	98	-2.6	256	251	2.0
Montana	733	711	677	13,874	13,753	0.9	38,643	37,757	2.3
New Mexico	166	137	130	2,553	2,923	-12.6	10,405	10,881	-4.4
North Dakota	575	549	514	10,799	11,093	-2.6	29,283	29,275	s
Ohio	138	149	125	2,898	3,314	-12.5	8,550	9,296	-8.0
Oklahoma	22	20	19	338	260	29.8	792	618	28.2
Pennsylvania Total	1,024	933	1,008	18,276	18,954	-3.6	49,010	48,999	s
Anthracite (PA)	36	37	36	662	678	-2.3	1,850	1,822	1.5
Bituminous (PA)	988	897	972	17,613	18,276	-3.6	47,160	47,177	s
Tennessee	3	3	3	60	80	-25.1	170	297	-42.8
Texas	397	381	484	7,828	9,418	-16.9	23,169	32,764	-29.3
Utah	235	234	227	4,841	5,210	-7.1	13,193	14,264	-7.5
Virginia	239	230	234	4,459	4,976	-10.4	12,362	13,148	-6.0
West Virginia Total	1,890	1,867	1,868	35,768	36,354	-1.6	94,371	93,623	0.8
Northern (WV)	904	852	874	16,578	17,146	-3.3	45,187	45,407	-0.5
Southern (WV)	986	1,015	994	19,190	19,208	-0.1	49,184	48,216	2.0
Wyoming	5,596	5,294	5,089	103,156	111,648	-7.6	295,035	310,704	-5.0
Appalachian Total	3,933	3,798	3,849	73,674	76,659	-3.9	196,594	198,249	-0.8
Interior Total	2,650	2,558	2,583	48,679	51,885	-6.2	133,579	140,092	-4.6
Western Total	7,733	7,331	7,059	143,008	152,589	-6.3	407,824	424,307	-3.9
East of Mississippi River	6,125	5,915	5,891	113,584	118,305	-4.0	304,432	303,355	0.4
West of Mississippi River	8,192	7,773	7,600	151,777	162,828	-6.8	433,565	459,292	-5.6
Bituminous and Lignite	14,280	13,651	13,455	264,698	280,454	-5.6	736,147	760,826	-3.2
Anthracite	36	37	36	662	678	-2.3	1,850	1,822	1.5
U.S. Total	14,316	13,688	13,491	265,360	281,132	-5.6	737,997	762,648	-3.2
Railroad Cars Loaded	84,256	80,601	78,519	1,552,519	1,624,577	-4.4	4,334,281	4,433,045	-2.2

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 20

OUTPUT FOR WEEK ENDED - May 18, 2019

May 22, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **May 18, 2019** was **70,927** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **184** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended May 18		52 Weeks Ended May 18	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	1,929	-1.8	121,190	0.5
Mid-Atlantic	7,015	-4.0	436,723	1.4
Central Industrial	11,310	-6.1	679,196	1.5
West Central	5,802	-6.8	336,848	1.8
Southeast	18,758	-8.4	1,040,429	0.8
South Central	13,935	-12.5	759,089	2.3
Rocky Mountain	4,802	2.1	283,249	1.8
Pacific Northwest	2,612	-0.2	157,387	-0.1
Pacific Southwest	4,764	-2.4	274,413	-2.5
Total United States	70,927	-6.9	4,088,524	1.1

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2019	Week Ended	2018	% Inc. (19/18)	52 Weeks Ended	2019	% Inc. (19/18)
Apr 27	67,566	Apr 28	67,526	0.1	Apr 27	4,097,612	1.5
May 04	70,338	May 05	70,724	-0.5	May 04	4,097,226	1.4
May 11	69,699	May 12	73,179	-4.8	May 11	4,093,746	1.3
May 18	70,927	May 19	76,149	-6.9	May 18	4,088,525	1.1
May 18	1,478,240	May 19	1,503,439	-1.7	YEAR TO DATE, FIRST 20 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2019	Week Ended	2018	Week Ended	2017
Apr 27	184	Apr 28	179	Apr 29	176
May 04	190	May 05	187	May 06	173
May 11	184	May 12	189	May 13	169
May 18	184	May 19	195	May 20	187

* 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		
	18-May 2019 GWh Output	19-May 2018 GWh Output	% Increase Over Corresponding Week of 2018	18-May 2019 GWh Output	19-May 2018 GWh Output	% Increase Over Corresponding Week of 2018	18-May 2019 GWh Output	19-May 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	1,929	1,963	-1.7%	44,331	45,350	-2.2%	121,190	120,599	0.5%
Mid-Atlantic	7,015	7,305	-4.0%	158,262	161,937	-2.3%	436,723	430,679	1.4%
Central Industrial	11,310	12,042	-6.1%	253,782	259,167	-2.1%	679,196	669,293	1.5%
West Central	5,802	6,225	-6.8%	122,824	123,868	-0.8%	336,848	330,904	1.8%
Southeast	18,758	20,479	-8.4%	374,945	386,419	-3.0%	1,040,429	1,031,915	0.8%
South Central	13,935	15,932	-12.5%	263,947	267,799	-1.4%	759,089	741,866	2.3%
Rocky Mountain	4,802	4,703	2.1%	99,139	97,089	2.1%	283,249	278,155	1.8%
Pacific Northwest	2,612	2,617	-0.2%	66,127	64,685	2.2%	157,387	157,557	-0.1%
Pacific Southwest	4,764	4,882	-2.4%	94,884	97,124	-2.3%	274,413	281,370	-2.5%
Total United States ^{1/}	<u>70,927</u>	<u>76,148</u>	-6.9%	<u>1,478,241</u>	<u>1,503,438</u>	-1.7%	4,088,524	4,042,338	1.1%
Coal Regions Only ^{2/}	61,622	66,686	-7.6%	1,272,899	1,296,279	-1.8%	3,535,534	3,482,812	1.5%

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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May 20, 2019

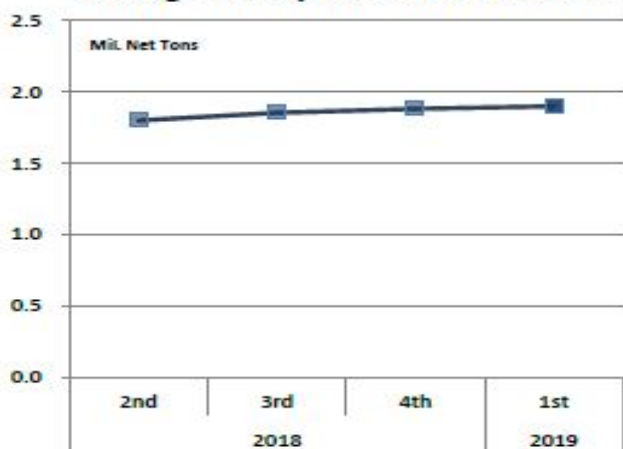
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 May 18</u>	<u>Week Ending May 11</u>	
<u>Week Ending</u>				North East	197	201
				Great Lakes	738	735
May 18, 2019	1,900	-1.4	81.6	Midwest	201	191
May 18, 2018	1,808	5.1	77.1	Southern	698	722
May 11, 2019	1,927	0.6	82.8	Western	66	78
				Total	1,900	1,927
<u>Year-to-Date +</u>						
May 18, 2019	37,525	6.5	81.8			
May 18, 2018	35,225	-	76.6			

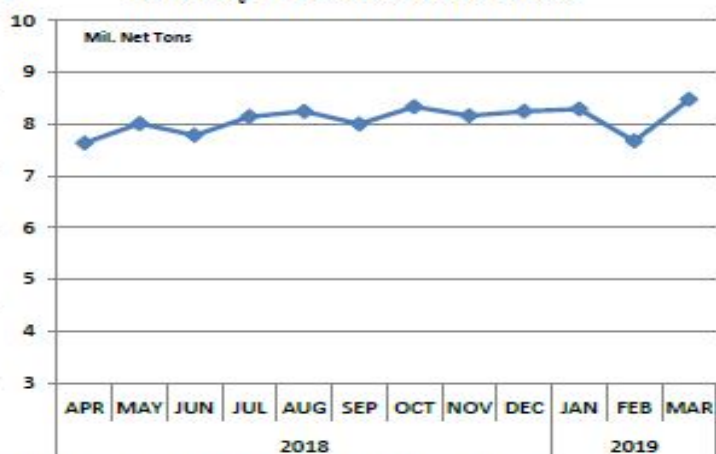
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 second quarter 2019 is approximately 30.3 million net tons vs. 30.5 million net tons for the same period last year, and 29.9 million tons for the first quarter of 2019.

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 20, 2019 – Ended May 18, 2019

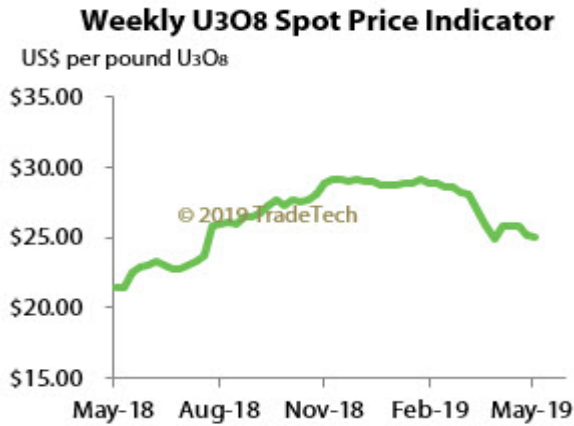
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	267,006	2.2%	5,031,359	251,568	-2.1%
Chemicals	33,646	5.6%	646,121	32,306	-0.2%
Coal	84,256	7.3%	1,572,173	78,609	-4.3%
Farm Products excl. Grain, and Food	15,814	-1.2%	312,422	15,621	-3.2%
Forest Products	9,983	-6.2%	199,859	9,993	-1.2%
Grain	23,194	4.3%	440,443	22,022	-4.2%
Metallic Ores and Metals	23,227	-1.5%	432,746	21,637	-2.3%
Motor Vehicles and Parts	17,109	0.6%	329,003	16,450	-2.3%
Nonmetallic Minerals	37,190	-9.0%	658,549	32,927	-5.3%
Petroleum and Petroleum Products	13,165	23.6%	253,563	12,678	24.5%
Other	9,422	-4.4%	186,480	9,324	-0.1%
Total Intermodal Units	269,352	-5.5%	5,339,107	266,955	-1.9%
Total Traffic	536,358	-1.8%	10,370,466	518,523	-2.0%

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

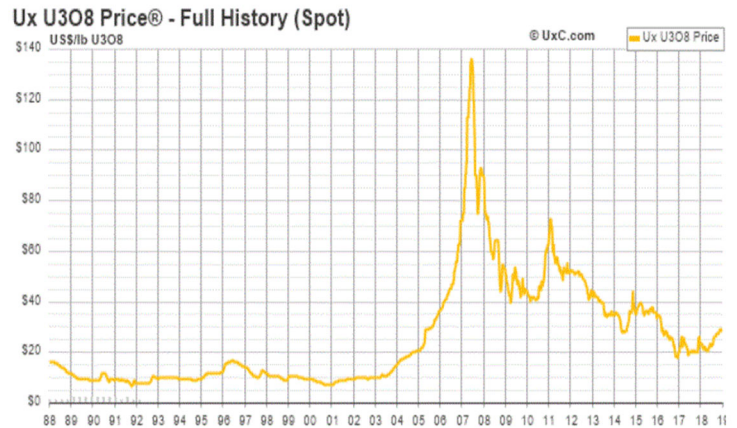
² Average per week figures may not sum to totals as a result of independent rounding.

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

Trade Tech's and UX's Uranium Price Indicators

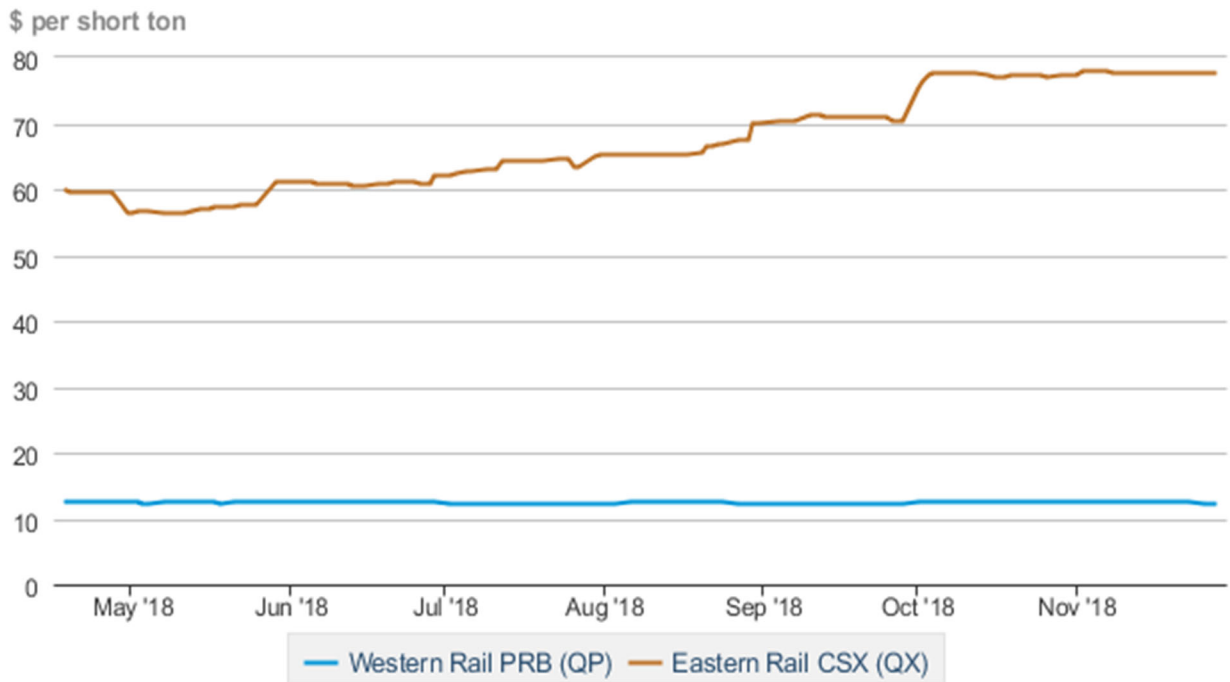


Ux U3O8 Price - Full History



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



eia Source: The New York Mercantile Exchange (NYMEX), Daily Energy Bulletin.

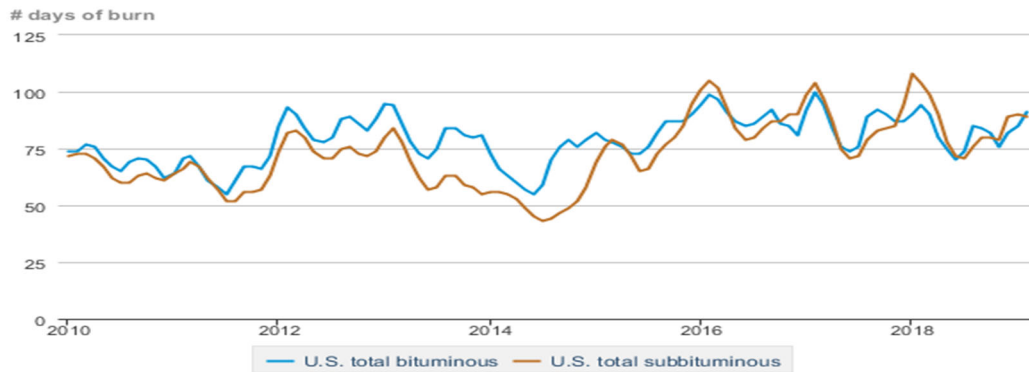
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	04/19/19	04/26/19	05/03/19	05/10/19	05/17/19	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$77.30	\$77.30	\$77.30	\$76.45	\$76.45	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$67.05	\$63.15	\$63.15	\$61.35	\$61.35	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$40.20	\$40.20	\$40.20	\$40.20	\$40.20	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.85	\$12.45	\$12.45	\$12.40	\$12.40	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$36.80	\$36.65	\$36.65	\$36.50	\$36.50	\$0.00

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

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



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending May 09)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	79	-4	29	0	0	0
Middle Atlantic	53	-15	26	0	-1	-9
E N Central	66	-7	25	1	-4	0
W N Central	82	19	41	0	-7	-7
South Atlantic	3	-26	-2	55	27	6
E S Central	9	-17	-2	36	17	6
W S Central	5	-3	-6	47	5	14
Mountain	75	-2	28	12	-2	-9
Pacific	39	-8	27	1	-5	-5
United States	47	-7	20	19	5	0

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

Source: National Oceanic and Atmospheric Administration

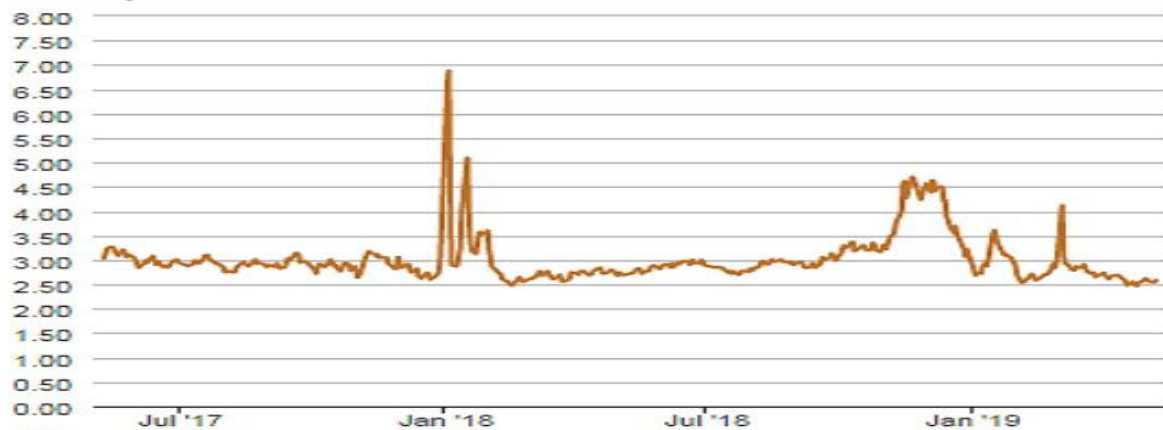
Source: Energy Information Administration, *Natural Gas Weekly Update*.

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



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	February 2019		February 2018			January 2019		
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn	% Change of Stocks	Stocks (1000 tons)	Days of Burn	% Change of Stocks
Northeast	Bituminous	3,030	145	3,338	95	-9.2%	2,973	147	1.9%
	Subbituminous	139	266	95	206	46.5%	121	275	15.2%
South	Bituminous	18,377	94	22,148	94	-17.0%	17,114	88	7.4%
	Subbituminous	4,205	65	5,098	72	-17.5%	3,972	59	5.9%
Midwest	Bituminous	7,105	68	10,770	87	-34.0%	6,955	61	2.2%
	Subbituminous	19,069	93	32,868	112	-42.0%	21,420	100	-11.0%
West	Bituminous	3,349	96	4,831	121	-30.7%	3,585	98	-6.6%
	Subbituminous	19,451	92	24,028	104	-19.0%	18,659	90	4.2%
U.S. Total	Bituminous	31,860	91	41,087	94	-22.5%	30,628	85	4.0%
	Subbituminous	42,864	89	62,089	104	-31.0%	44,172	90	-3.0%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

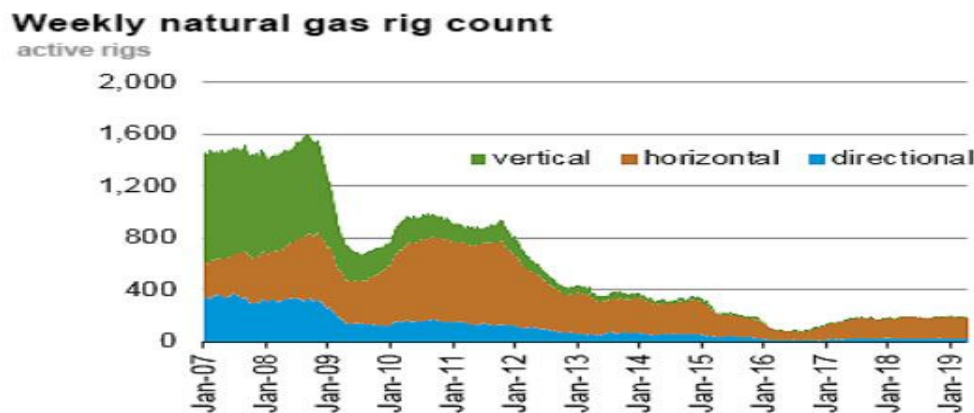
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2019-05-10	2019-05-03	change
East	330	299	31
Midwest	336	309	27
Mountain	82	78	4
Pacific	174	162	12
South Central	731	699	32
Total	1,653	1,547	106

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		
	May 2019	June 2019	change	May 2019	June 2019	change
Anadarko	404	412	8	2,840	2,856	16
Appalachia	143	143	-	15,930	15,930	-
Bakken	1,384	1,386	2	1,986	1,986	-
Eagle Ford	1,337	1,340	3	4,868	4,880	12
Haynesville	26	26	-	10,665	10,834	169
Niobrara	1,236	1,238	2	4,271	4,286	15
Permian	654	682	28	1,294	1,324	30
Rig-weighted average	689	703	14	3,989	4,020	31

Source: Energy Information Administration, *Drilling Productivity Report*