

National Mining Association

Weekly Statistical Summary

March 8, 2019 Edition
(Data for Week Ending March 2, 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		
	03/02/19	03/03/18	% Chng	03/02/19	03/02/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	13,513	14,836	-8.9%	121,403	126,623	-4.1%
52 Weeks Ended	746,557	761,379	-1.9%			
AAR Coal Rail Cars Loaded:	78,596	85,300	-7.9%	705,929	729,629	-3.2%
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:	Dec 18/17		% Chng	Jan - Dec 18/17		% Chng
Metallurgical	4,914	5,022	-2.2%	61,513	55,255	11.3%
Steam *	3,995	4,433	-9.9%	53,831	41,383	30.1%
Lignite	8	7	14.3%	86	78	10.3%
Anthracite	4	37	-89.2%	254	293	-13.3%
Total	8,921	9,499	-6.1%	115,684	97,009	19.3%
Imports:	898	408	120.1%	5,954	7,777	-23.4%
	Week Ended			Cumulative Week 1 to		
	03/02/19	03/03/18	% Chng	03/02/19	03/03/18	% Chng
EI Electric Total Output (Mil. Kwh)	76,183	71,725	6.2%	705,428	716,625	-1.6%
EI Coal Region Output (Mil. Kwh)	65,164	60,993	6.8%	606,641	618,246	-1.9%
AISI Raw Steel Output (000 Tons)	1,927	1,819	5.9%	16,439	15,384	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)	
	03/01/19	02/22/19	% Chng	Wed.	02/27/19
Central App, 12,500 Btu, 1.2 SO ₂	\$81.95	\$78.20	4.8%	Henry Hub	2.71
Northern App, 13,000 Btu, < 3.0 SO ₂	70.05	67.95	3.1%	New York	2.92
Illinois Basin, 11,800, 5.0 SO ₂	38.20	38.20	0.0%	Chicago	2.95
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.85	11.90	-0.4%	Cal.Comp.Avg.	4.03
Uinta Basin, 11,700 Btu, 0.8 SO ₂	39.35	39.50	-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									
	Week Ended			Year to Date			52 Weeks Ended		
Coal-Producing Region & State (thousand short tons)	3/2/2019 (week 9)	2/23/2019 (week 8)	3/3/2018 (week 9)	3/2/2019	3/2/2018	% Change	3/2/2019	3/3/2018	% Change
Alabama	289	323	308	2,617	2,631	-0.5	14,629	13,120	11.5
Alaska	16	18	19	139	159	-12.3	863	934	-7.6
Arizona	129	140	121	1,157	1,030	12.3	6,841	6,068	12.7
Arkansas	24	.
Colorado	248	269	259	2,233	2,210	1.0	13,928	14,569	-4.4
Illinois	898	1,009	998	8,119	8,518	-4.7	48,467	47,852	1.3
Indiana	645	721	670	5,859	5,717	2.5	34,117	31,244	9.2
Kentucky Total	709	792	809	6,394	6,902	-7.4	38,835	40,576	-4.3
Eastern (KY)	319	355	353	2,867	3,017	-5.0	17,285	17,888	-3.4
Western (KY)	390	438	455	3,527	3,885	-9.2	21,550	22,689	-5.0
Louisiana	21	21	18	189	156	21.3	1,500	1,550	-3.2
Maryland	21	24	30	185	256	-27.8	1,190	1,727	-31.1
Mississippi	52	58	51	477	432	10.6	2,843	2,510	13.3
Missouri	5	5	5	43	43	0.5	257	245	4.9
Montana	714	790	716	6,413	6,113	4.9	38,527	36,229	6.3
New Mexico	123	130	160	1,079	1,365	-20.9	8,560	12,557	-31.8
North Dakota	556	613	596	4,988	5,084	-1.9	29,891	28,746	4.0
Ohio	156	179	194	1,384	1,653	-16.3	8,546	9,543	-10.4
Oklahoma	15	16	10	139	88	57.8	831	564	47.3
Pennsylvania Total	911	1,004	946	8,253	8,078	2.2	49,211	48,275	1.9
Anthracite (PA)	33	38	34	297	288	2.8	1,843	1,836	0.4
Bituminous (PA)	878	966	913	7,957	7,789	2.1	47,367	46,439	2.0
Tennessee	3	4	4	29	38	-24.5	191	361	-47.1
Texas	422	447	479	3,709	4,092	-9.4	26,354	34,233	-23.0
Utah	263	293	287	2,332	2,452	-4.9	13,888	14,282	-2.8
Virginia	226	254	265	2,040	2,262	-9.8	12,544	13,312	-5.8
West Virginia Total	1,819	2,051	1,851	16,445	15,797	4.1	97,220	91,879	5.8
Northern (WV)	841	923	877	7,553	7,485	0.9	45,671	45,237	1.0
Southern (WV)	979	1,128	974	8,891	8,312	7.0	51,549	46,642	10.5
Wyoming	5,271	5,774	6,040	47,178	51,546	-8.5	297,326	310,981	-4.4
Appalachian Total	3,745	4,193	3,952	33,820	33,732	0.3	200,815	196,103	2.4
Interior Total	2,449	2,715	2,687	22,064	22,931	-3.8	135,918	140,911	-3.5
Western Total	7,319	8,027	8,197	65,519	69,959	-6.3	409,824	424,366	-3.4
East of Mississippi River	5,730	6,418	6,126	51,803	52,284	-0.9	307,792	300,398	2.5
West of Mississippi River	7,783	8,516	8,710	69,600	74,339	-6.4	438,765	460,982	-4.8
Bituminous and Lignite	13,480	14,896	14,802	121,106	126,334	-4.1	744,714	759,544	-2.0
Anthracite	33	38	34	297	288	2.8	1,843	1,836	0.4
U.S. Total	13,513	14,934	14,836	121,403	126,623	-4.1	746,557	761,379	-1.9
Railroad Cars Loaded	78,596	86,854	85,300	705,929	729,629	-3.2	4,381,755	4,390,048	-0.2

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 9

OUTPUT FOR WEEK ENDED - Mar 02, 2019

Mar 06, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Mar 02, 2019** was **76,183** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **177** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended March 02		52 Weeks Ended March 02	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,430	12.3	121,963	0.6
Mid-Atlantic	8,462	10.2	440,132	2.5
Central Industrial	13,456	9.7	683,799	2.8
West Central	6,445	11.8	338,058	2.6
Southeast	18,585	3.4	1,042,532	1.1
South Central	13,166	6.8	759,560	2.8
Rocky Mountain	5,050	1.4	283,228	2.1
Pacific Northwest	3,869	6.8	157,363	0.0
Pacific Southwest	4,720	-4.6	275,892	-2.2
Total United States	76,183	6.2	4,102,527	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)
Feb 09	76,185	Feb 10	79,445	-4.1	Feb 09	4,090,700	1.7
Feb 16	77,789	Feb 17	75,312	3.3	Feb 16	4,093,178	1.7
Feb 23	78,684	Feb 24	73,792	6.6	Feb 23	4,098,069	1.7
Mar 02	76,183	Mar 03	71,725	6.2	Mar 02	4,102,527	1.8
Mar 02	705,428	Mar 03	716,625	-1.6	YEAR TO DATE, FIRST 9 WEEKS		

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

Week Ended	2019	Week Ended	2018	Week Ended	2017
Feb 09	165	Feb 10	165	Feb 11	155
Feb 16	175	Feb 17	161	Feb 18	154
Feb 23	180	Feb 24	160	Feb 25	148
Mar 02	177	Mar 03	166	Mar 04	155

* 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		
	2-Mar 2019 GWh Output	3-Mar 2018 GWh Output	% Increase Over Corresponding Week of 2018	2-Mar 2019 GWh Output	3-Mar 2018 GWh Output	% Increase Over Corresponding Week of 2018	2-Mar 2019 GWh Output	3-Mar 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	2,430	2,164	12.3%	21,923	22,170	-1.1%	121,963	121,282	0.6%
Mid-Atlantic	8,462	7,679	10.2%	78,263	78,532	-0.3%	440,132	429,436	2.5%
Central Industrial	13,456	12,263	9.7%	123,024	123,805	-0.6%	683,799	664,870	2.8%
West Central	6,445	5,767	11.8%	59,362	59,196	0.3%	338,058	329,357	2.6%
Southeast	18,585	17,971	3.4%	177,075	186,444	-5.0%	1,042,532	1,030,706	1.1%
South Central	13,166	12,332	6.8%	120,552	123,934	-2.7%	759,560	738,722	2.8%
Rocky Mountain	5,050	4,981	1.4%	48,365	46,335	4.4%	283,228	277,344	2.1%
Pacific Northwest	3,869	3,621	6.8%	33,487	32,071	4.4%	157,363	157,287	0.0%
Pacific Southwest	4,720	4,947	-4.6%	43,377	44,137	-1.7%	275,892	282,191	-2.2%
Total United States ^{1/}	76,183	71,725	6.2%	705,428	716,624	-1.6%	4,102,527	4,031,195	1.8%
Coal Regions Only ^{2/}	65,164	60,993	6.8%	606,641	618,246	-1.9%	3,547,309	3,470,435	2.2%

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 4, 2019

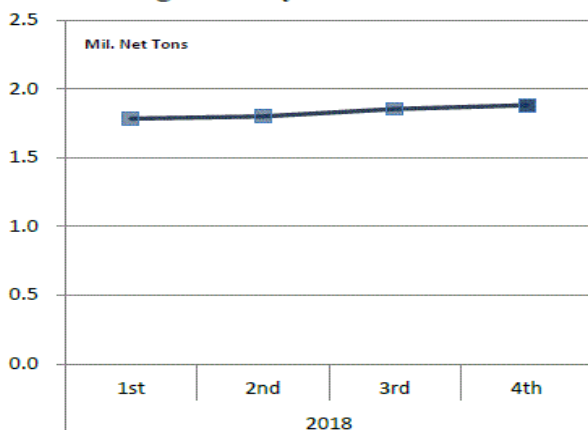
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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>Mar 2</u>	<u>Feb.23</u>	
<u>Week Ending</u>				North East	212	211
				Great Lakes	716	682
March 2, 2019	1,927	1.0	82.8	Midwest	208	205
March 2, 2018	1,819	5.9	78.0	Southern	717	736
February 23, 2019	1,907	1.1	81.9	Western	<u>74</u>	<u>73</u>
				Total	1,927	1,907
<u>Year-to-Date +</u>						
March 2, 2019	16,439	6.9	81.1			
March 2, 2018	15,384	-	75.7			

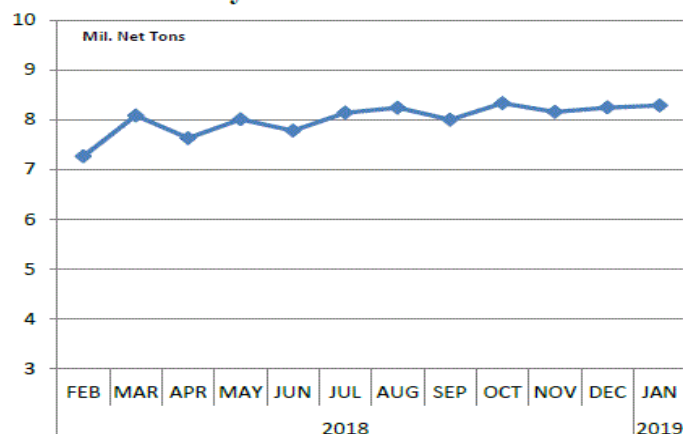
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

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 9, 2019 – Ended March 2, 2019

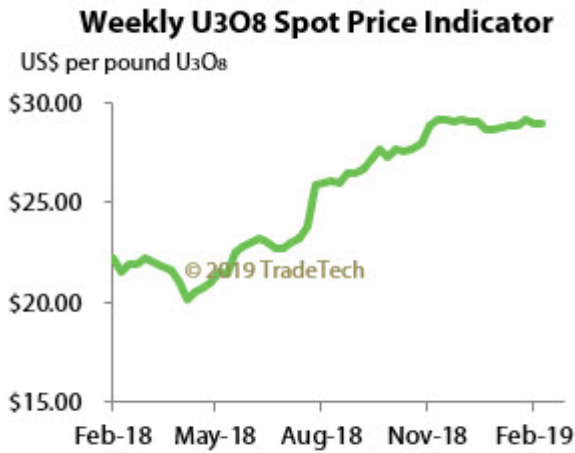
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	250,522	-5.5%	2,238,465	248,718	-0.3%
Chemicals	33,518	-1.4%	286,869	31,874	0.7%
Coal	78,596	-8.3%	725,583	80,620	-3.2%
Farm Products excl. Grain, and Food	15,205	-8.4%	139,539	15,504	-2.4%
Forest Products	9,661	-1.5%	90,948	10,105	1.4%
Grain	20,314	-12.7%	195,077	21,675	-0.5%
Metallic Ores and Metals	20,719	-1.1%	187,474	20,830	1.6%
Motor Vehicles and Parts	18,423	0.3%	141,338	15,704	-2.2%
Nonmetallic Minerals	31,934	-7.9%	272,804	30,312	-1.1%
Petroleum and Petroleum Products	11,882	19.3%	114,995	12,777	22.4%
Other	10,270	-12.9%	83,838	9,315	0.0%
Total Intermodal Units	277,631	-0.7%	2,410,667	267,852	-0.1%
Total Traffic	528,153	-3.0%	4,649,132	516,570	-0.2%

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

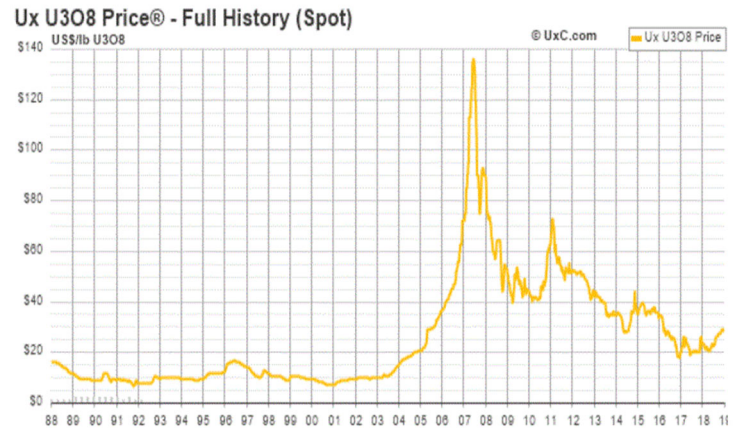
² Average per week figures may not sum to totals as a result of independent rounding.

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

Trade Tech's and UX's Uranium Price Indicators

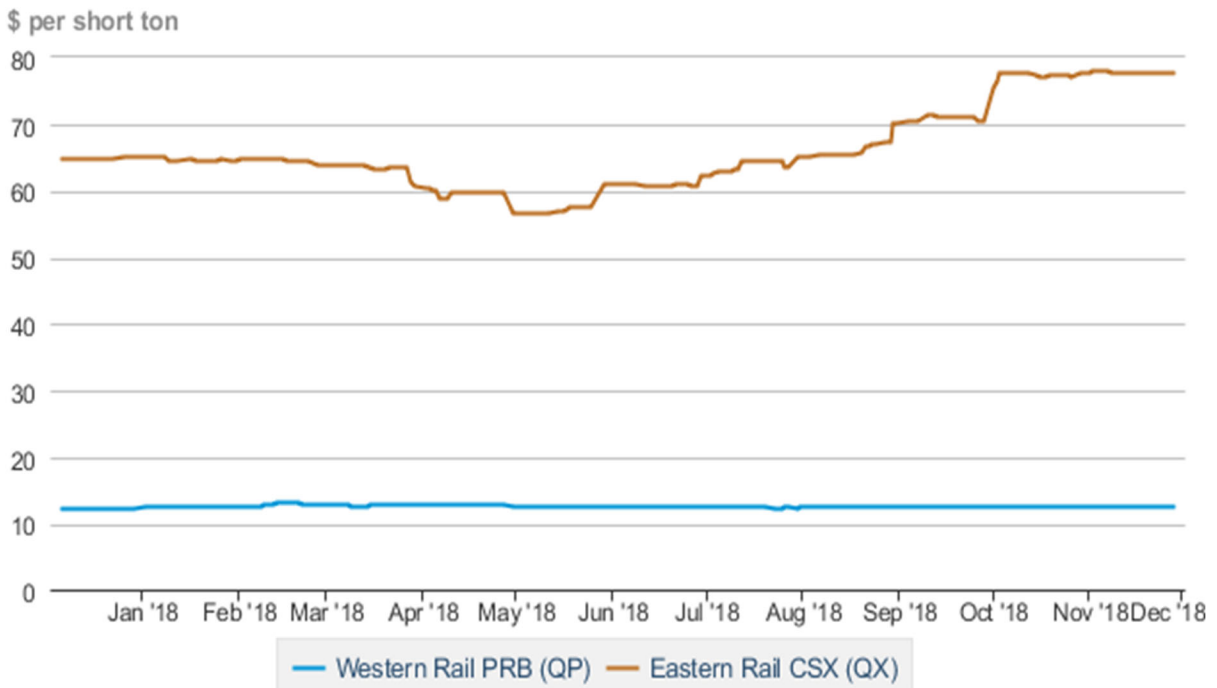


Ux U3O8 Price - Full History



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.

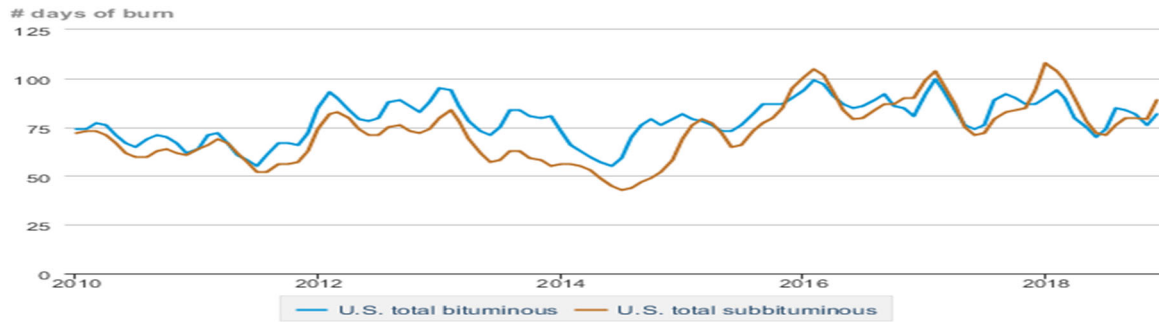
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	02/01/19	02/08/19	02/15/19	02/22/19	03/01/19	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$79.50	\$79.50	\$78.20	\$78.20	\$81.95	\$3.75
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$67.70	\$67.70	\$67.95	\$67.95	\$70.05	\$2.10
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$38.95	\$38.95	\$38.20	\$38.20	\$38.20	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$13.10	\$13.10	\$11.90	\$11.90	\$11.85	-\$0.05
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.10	\$40.10	\$39.50	\$39.50	\$39.35	-\$0.15

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

Days of burn by non-lignite coal rank, January 2009 - December 2018



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Feb 21)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	252	-1	74	0	0	0
Middle Atlantic	233	-8	84	0	0	0
E N Central	278	18	93	0	0	0
W N Central	342	80	108	0	0	0
South Atlantic	132	-23	70	18	10	-1
E S Central	133	-19	84	0	-1	-5
W S Central	115	13	65	3	-1	-14
Mountain	254	58	45	0	-1	0
Pacific	162	61	40	0	0	0
United States	216	23	74	4	2	-2

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 - 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: 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	December 2018		December 2017		% Change of Stocks	November 2018		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	3,408	132	3,813	72	-10.6%	3,287	104	3.7%
	Subbituminous	116	225	111	53	5.0%	146	102	-20.0%
South	Bituminous	19,364	83	26,563	91	-27.1%	19,207	77	0.8%
	Subbituminous	4,570	57	5,308	60	-13.9%	4,613	53	-0.9%
Midwest	Bituminous	8,373	64	12,933	79	-35.3%	8,859	66	-5.5%
	Subbituminous	28,020	109	37,214	96	-24.7%	27,946	95	0.3%
West	Bituminous	3,706	87	5,056	100	-26.7%	3,915	83	-5.3%
	Subbituminous	18,440	74	26,185	100	-29.6%	19,278	68	-4.3%
U.S. Total	Bituminous	34,852	82	48,365	87	-27.9%	35,268	76	-1.2%
	Subbituminous	51,146	89	68,818	94	-25.7%	51,982	79	-1.6%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

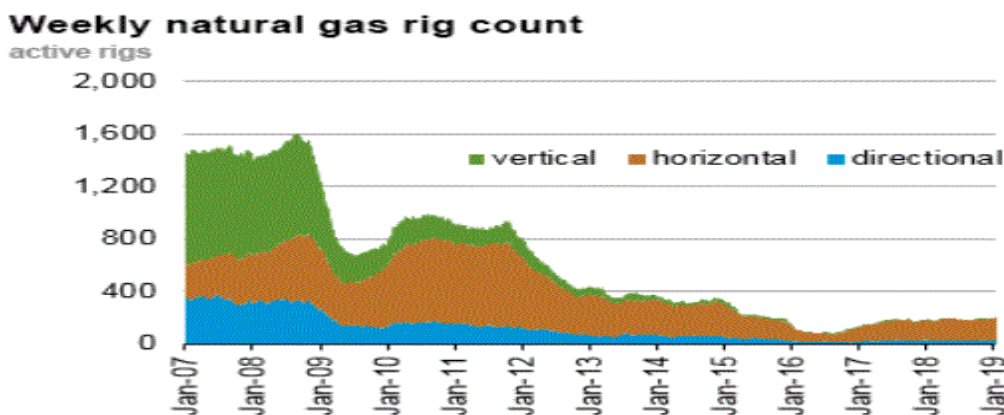
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2019-02-22	2019-02-15	change
East	354	395	-41
Midwest	385	436	-51
Mountain	79	87	-8
Pacific	122	138	-16
South Central	598	649	-51
Total	1,539	1,705	-166

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		
	February 2019	March 2019	change	February 2019	March 2019	change
Anadarko	390	396	6	2,832	2,843	11
Appalachia	144	144	-	15,300	15,600	300
Bakken	1,452	1,458	6	1,897	1,903	6
Eagle Ford	1,335	1,337	2	5,022	5,036	14
Haynesville	26	27	1	9,148	9,261	113
Niobrara	1,203	1,206	3	4,166	4,169	3
Permian	598	603	5	1,180	1,195	15
Rig-weighted average	656	661	5	3,565	3,686	121

Source: Energy Information Administration, *Drilling Productivity Report*