

National Mining Association

Weekly Statistical Summary

March 31, 2017 Edition
(Data for Week Ending March 25, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 12
Dated 03/31/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	03/25/17	03/19/16	% Chng	03/25/17	03/25/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,469	11,953	21.0%	187,253	163,163	14.8%
52 Weeks Ended	762,965	835,315	-8.7%			
AAR Coal Rail Cars Loaded:	79,422	64,754	22.7%	1,016,414	884,399	14.9%
Coal Production Month Ended - Feb.	Feb 17/16		% Chng	Jan - Feb 17/16		% Chng
	65,411	57,263	14.2%	134,910	117,763	14.6%
DOC Coal Trade (000 Tons)						
Exports:	January 17/16			Jan - Jan 17/16		
			% Chng			% Chng
Metallurgical	4,315	3,062	40.9%	4,315	3,062	40.9%
Steam *	3,055	1,302	134.6%	3,055	1,302	134.6%
Lignite	6	5	20.0%	6	5	20.0%
Anthracite	13	68	-80.9%	13	68	-80.9%
Total	7,389	4,437	66.5%	7,389	4,437	66.5%
Imports:	743	693	7.2%	743	693	7.2%
	Week Ended			Cumulative Week 1 to		
	03/25/17	03/26/16	% Chng	03/25/17	03/26/16	% Chng
EI Electric Total Output (Mil. Kwh)	70,146	67,689	3.6%	891,602	897,569	-0.7%
EI Coal Region Output (Mil. Kwh)	59,930	57,559	4.1%	759,037	769,924	-1.4%
AISI Raw Steel Output (000 Tons)	1,725	1,685	2.4%	20,859	19,972	4.4%

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)	
	03/24/17	03/17/17	% Chng	Wed.	03/22/17
Central App, 12,500 Btu, 1.2 SO ₂	\$51.60	\$51.60	0.0%	Henry Hub	2.98
Northern App, 13,000 Btu, < 3.0 SO ₂	45.00	45.00	0.0%	New York	3.11
Illinois Basin, 11,800, 5.0 SO ₂	31.65	31.65	0.0%	Chicago	2.89
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.45	11.45	0.0%	Cal.Comp.Avg.	2.85
Uinta Basin, 11,700 Btu, 0.8 SO ₂	39.90	39.90	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.

Sources: Energy Information Administration; 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		
	3/25/2017 (week 12)	3/18/2017 (week 11)	3/19/2016 (week 12)	3/25/2017	3/25/2016	% Change	3/25/2017	3/19/2016	% Change
Alabama	175	172	169	2,169	2,307	-6.0	9,133	11,727	-22.1
Alaska	20	20	21	309	292	5.8	968	1,214	-20.3
Arizona	104	102	92	1,359	1,258	8.0	5,606	6,418	-12.7
Arkansas	1	1	1	12	11	10.8	32	82	-61.0
Colorado	210	198	171	2,470	2,341	5.5	12,912	16,377	-21.2
Illinois	912	912	782	11,819	10,676	10.7	45,599	51,186	-10.9
Indiana	591	581	499	7,756	6,812	13.9	30,155	32,231	-6.4
Kansas	3	3	2	32	25	25.0	35	175	-80.0
Kentucky Total	820	806	784	10,692	10,699	-0.1	43,464	56,386	-22.9
Eastern (KY)	307	299	317	3,957	4,322	-8.4	16,799	25,164	-33.2
Western (KY)	513	506	467	6,735	6,378	5.6	26,665	31,222	-14.6
Louisiana	54	52	45	714	619	15.4	2,933	3,340	-12.2
Maryland	30	29	25	361	339	6.4	1,619	1,741	-7.0
Mississippi	58	59	53	768	727	5.8	2,959	3,127	-5.4
Missouri	4	4	3	62	39	58.8	259	139	86.3
Montana	592	578	513	7,460	7,005	6.5	33,247	38,676	-14.0
New Mexico	257	224	297	3,567	4,050	-11.9	13,123	20,011	-34.4
North Dakota	622	610	498	8,431	6,798	24.0	30,197	28,553	5.8
Ohio	269	269	269	3,790	3,673	3.2	12,937	16,040	-19.3
Oklahoma	13	13	12	181	158	15.0	666	747	-10.8
Pennsylvania Total	945	915	714	12,066	9,743	23.8	48,832	47,819	2.1
Anthracite (PA)	33	32	30	459	407	12.9	1,711	2,092	-18.2
Bituminous (PA)	912	883	684	11,607	9,337	24.3	47,121	45,727	3.0
Tennessee	14	14	16	210	218	-3.8	673	917	-26.6
Texas	895	889	685	12,572	9,351	34.4	43,044	37,562	14.6
Utah	302	294	232	4,072	3,171	28.4	14,855	14,172	4.8
Virginia	286	279	221	3,811	3,010	26.6	14,233	13,743	3.6
West Virginia Total	1,653	1,626	1,330	21,362	18,162	17.6	84,438	88,248	-4.3
Northern (WV)	937	911	711	12,298	9,699	26.8	46,734	44,940	4.0
Southern (WV)	716	715	620	9,065	8,463	7.1	37,704	43,308	-12.9
Wyoming	5,640	5,400	4,518	71,206	61,678	15.4	311,045	344,683	-9.8
Appalachian Total	3,678	3,603	3,060	47,727	41,774	14.2	188,665	205,399	-8.1
Interior Total	3,043	3,020	2,549	40,652	34,795	16.8	152,348	159,811	-4.7
Western Total	7,747	7,427	6,344	98,874	86,594	14.2	421,953	470,105	-10.2
East of Mississippi River	5,751	5,661	4,862	74,806	66,367	12.7	294,043	323,165	-9.0
West of Mississippi River	8,717	8,389	7,091	112,447	96,797	16.2	468,923	512,150	-8.4
Bituminous and Lignite	14,436	14,018	11,923	186,794	162,757	14.8	761,254	833,223	-8.6
Anthracite	33	32	30	459	407	12.9	1,711	2,092	-18.2
U.S. Total	14,469	14,050	11,953	187,253	163,163	14.8	762,965	835,315	-8.7
Railroad Cars Loaded	79,422	77,123	64,754	1,016,414	884,399	14.9	4,303,984	4,756,978	-9.5

Source: Energy Information Administration



Weekly Electric Output

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OUTPUT FOR WEEK ENDED - Mar 25, 2017

Mar 29, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, Mar 25, 2017 was 70,146 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 163 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended March 25		52 Weeks Ended March 25	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,300	4.2	123,845	0.0
Mid-Atlantic	7,745	5.2	435,275	0.7
Central Industrial	12,251	3.3	673,886	2.0
West Central	5,666	-0.8	330,071	1.2
Southeast	16,827	1.3	1,022,207	1.4
South Central	12,795	12.0	718,215	2.6
Rocky Mountain	4,646	1.2	276,735	-0.4
Pacific Northwest	3,122	4.7	156,676	2.2
Pacific Southwest	4,794	-3.0	283,517	-0.4
Total United States	70,146	3.6	4,020,426	1.3

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
Mar 04	71,589	Mar 05	71,352	0.3	Mar 04	4,008,605	0.8
Mar 11	71,563	Mar 12	68,466	4.5	Mar 11	4,011,702	1.0
Mar 18	74,521	Mar 19	68,254	9.2	Mar 18	4,017,969	1.2
Mar 25	70,146	Mar 26	67,689	3.6	Mar 25	4,020,426	1.3
Mar 25	891,602	Mar 26	897,569	-0.7	YEAR TO DATE, FIRST 12 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Mar 04	155	Mar 05	172	Mar 07	187
Mar 11	156	Mar 12	175	Mar 14	160
Mar 18	173	Mar 19	175	Mar 21	161
Mar 25	163	Mar 26	168	Mar 28	165

* 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		
	25-Mar 2017 GWh Output	26-Mar 2016 GWh Output	% Increase Over Corresponding Week of 2016	25-Mar 2017 GWh Output	26-Mar 2016 GWh Output	% Increase Over Corresponding Week of 2016	25-Mar 2017 GWh Output	26-Mar 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,300	2,207	4.2%	28,623	28,749	-0.4%	123,845	123,814	0.0%
Mid-Atlantic	7,745	7,362	5.2%	98,299	99,106	-0.8%	435,275	432,226	0.7%
Central Industrial	12,251	11,858	3.3%	155,249	158,198	-1.9%	673,886	660,897	2.0%
West Central	5,666	5,715	-0.9%	73,114	73,798	-0.9%	330,071	326,216	1.2%
Southeast	16,827	16,613	1.3%	223,385	233,140	-4.2%	1,022,207	1,008,367	1.4%
South Central	12,795	11,420	12.0%	147,575	145,694	1.3%	718,215	700,346	2.6%
Rocky Mountain	4,646	4,591	1.2%	61,415	59,988	2.4%	276,735	277,910	-0.4%
Pacific Northwest	3,122	2,983	4.7%	43,922	39,471	11.3%	156,676	153,274	2.2%
Pacific Southwest	4,794	4,940	-3.0%	60,020	59,424	1.0%	283,517	284,712	-0.4%
Total United States ^{1/}	<u>70,146</u>	<u>67,689</u>	3.6%	<u>891,602</u>	<u>897,568</u>	-0.7%	4,020,427	3,967,762	1.3%
Coal Regions Only ^{2/}	59,930	57,559	4.1%	759,037	769,924	-1.4%	3,456,389	3,405,962	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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March 27, 2017

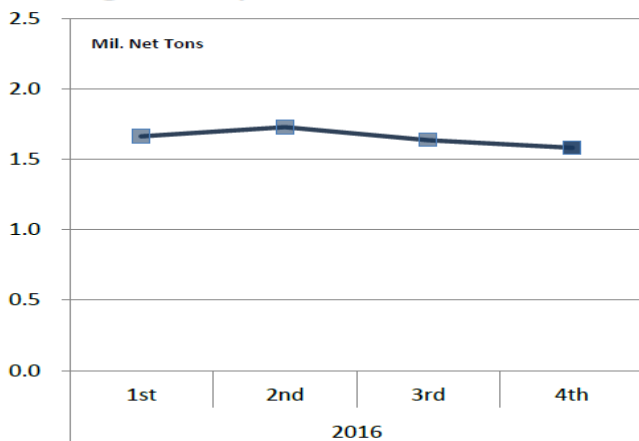
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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. 25</u>	<u>Mar. 18</u>	
<u>Week Ending</u>				North East	204	216
				Great Lakes	666	675
March 25, 2017	1,725	-1.3	72.8	Midwest	168	166
March 25, 2016	1,685	2.4	72.1	Southern	594	616
March 18, 2017	1,747	-2.5	73.7	Western	93	74
				Total	1,725	1,747
<u>Year-to-Date +</u>						
March 25, 2017	20,859	4.4	73.4			
March 25, 2016	19,972	-	71.3			

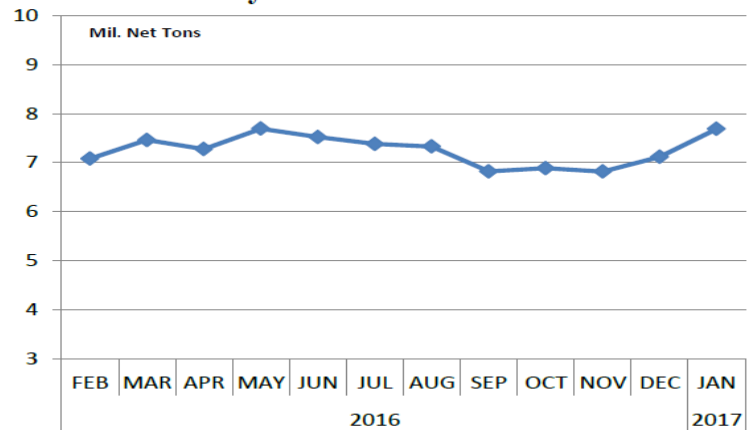
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 fourth quarter 2016 is approximately 31.2 million net tons vs. 31.4 million net tons for the same period last year, and 30.7 million tons for the third quarter of 2016.

Average Weekly Raw Steel Production



Monthly Raw Steel Production



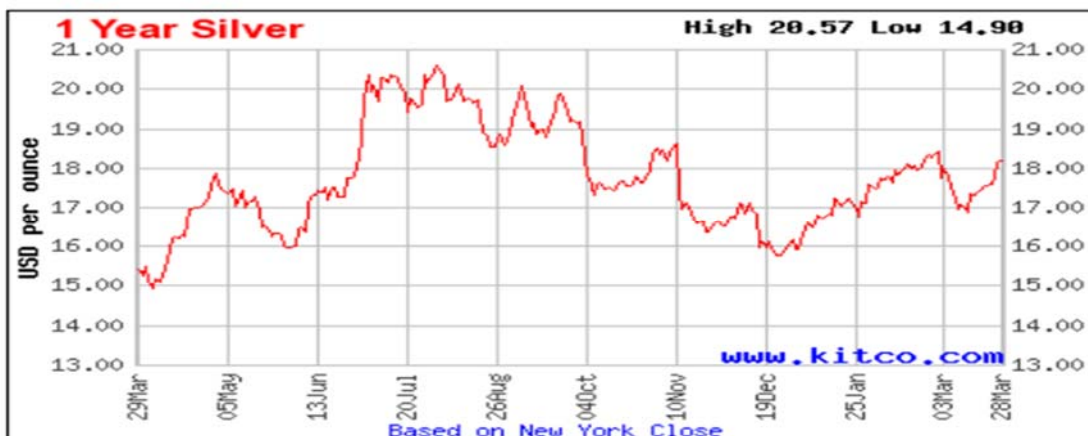
*Steel in the first solid state after melting suitable for further processing or sale, including ingots, steel for castings and strand or pressure cast blooms, slabs or other product forms. ** Based on tonnage capability to produce raw steel for a sustained full order book.



Source: Kitco website - www.kitco.com/connecting.html

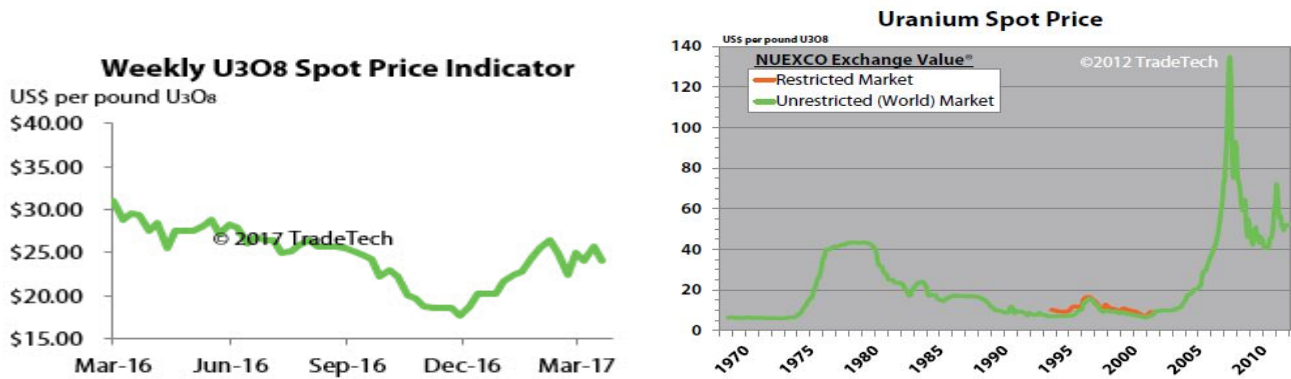


Source: Kitco website - www.kitco.com/connecting.html

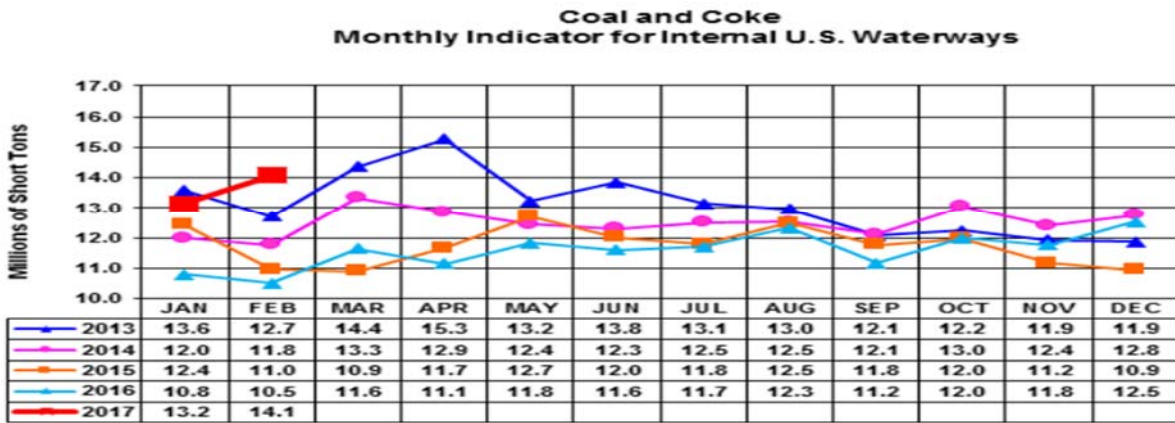


Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators

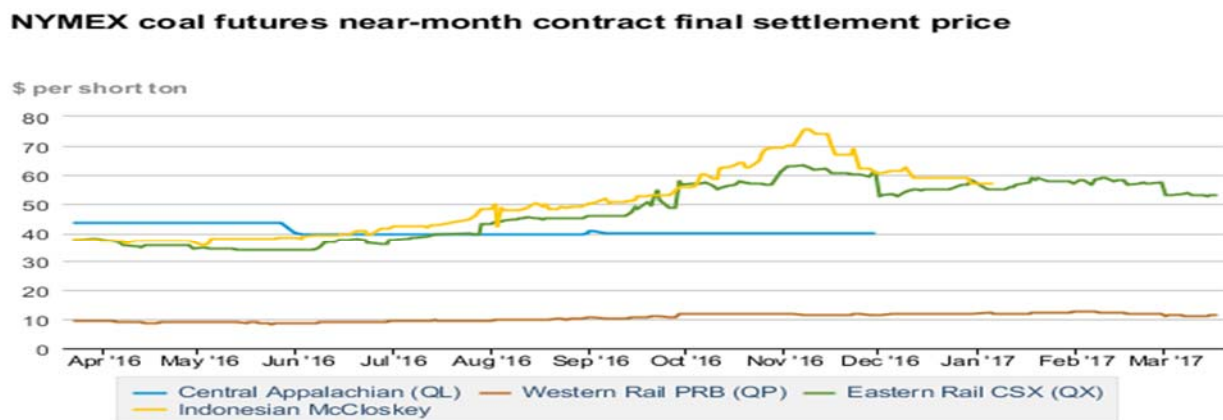


Source: Trade Tech, Uranium Info Website – www.uranium.info



Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center

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
	02/24/17	03/03/17	03/10/17	03/17/17	03/24/17	
Central Appalachia <i>12,500 Btu, 1.2 SO₂</i>	\$51.60	\$51.60	\$51.60	\$51.60	\$51.60	\$0.00
Northern Appalachia <i>13,000 Btu, < 3.0 SO₂</i>	\$46.25	\$46.25	\$45.00	\$45.00	\$45.00	\$0.00
Illinois Basin <i>11,800 Btu, 5.0 SO₂</i>	\$31.65	\$31.65	\$31.65	\$31.65	\$31.65	\$0.00
Powder River Basin <i>8,800 Btu, 0.8 SO₂</i>	\$11.50	\$11.50	\$11.45	\$11.45	\$11.45	\$0.00
Uinta Basin <i>11,700 Btu, 0.8 SO₂</i>	\$40.10	\$40.10	\$39.90	\$39.90	\$39.90	\$0.00

Source: Energy Information Administration (with permission from SNL), *Coal News and Markets Report*

Days of burn by non-lignite coal rank, January 2009 - January 2017



 Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Mar 16)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	292	85	177	0	0	0
Middle Atlantic	278	85	183	0	0	0
E N Central	280	77	180	0	0	0
W N Central	276	73	173	0	-1	0
South Atlantic	179	63	148	8	-3	-19
E S Central	174	64	152	0	-4	-10
W S Central	76	9	52	8	-3	-16
Mountain	93	-68	-26	10	9	8
Pacific	28	-63	-56	0	-1	0
United States	187	35	107	3	-1	-5

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

Source: National Oceanic and Atmospheric Administration

Source: Energy Information Administration

USGS Production of Selected Mineral Commodities	2016 Year to Date - 3rd Quarter	2015 Year to Date - 3rd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	673.0	556.0	21%
Cement (Mil. Mt.)	62.3	61.1	2%
Copper (000 Mt.)	1,080.0	1,040.0	4%
Gold (Mt.)	157.0	157.0	0%
Gypsum (Mil. Mt.)	12.4	11.3	10%
Iron Ore (Mil. Mt.)	29.3	32.8	-11%
Lead (000 Mt.)	260.0	277.0	-6%
Molybdenum (000 Mt.)	26.1	40.1	-35%
Phosphate rock (Mil. Mt.)	20.2	20.8	-3%
Sand & gravel, construction (Mil. Mt.)	732.0	703.0	4%
Silver (Mt.)	853.0	814.0	5%
Soda ash (Mil. Mt.)	8.8	8.7	1%
Stone, crushed (Mil. Mt.)	1,050.0	990.0	6%
Zinc (000 Mt.)	597.0	604.0	-1%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2016 data are preliminary estimates.

Natural gas spot prices (Henry Hub)



eia Source: Natural Gas Intelligence

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

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 2017		January 2016		% Change of Stocks	December 2016		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	5,181	75	7,967	100	-35.0%	5,484	66	-5.5%
	Subbituminous	96	30	652	220	-85.3%	98	36	-2.4%
South	Bituminous	29,594	90	35,366	97	-16.3%	29,868	77	-0.9%
	Subbituminous	5,760	76	7,792	98	-26.1%	5,978	68	-3.6%
Midwest	Bituminous	15,035	91	17,447	92	-13.8%	16,279	87	-7.6%
	Subbituminous	41,909	96	46,617	87	-10.1%	44,048	87	-4.9%
West	Bituminous	5,583	103	4,912	79	13.7%	5,868	98	-4.9%
	Subbituminous	29,650	107	40,971	121	-27.6%	31,244	100	-5.1%
U.S. Total	Bituminous	55,394	90	65,692	94	-15.7%	57,499	80	-3.7%
	Subbituminous	77,415	99	96,032	101	-19.4%	81,369	90	-4.9%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

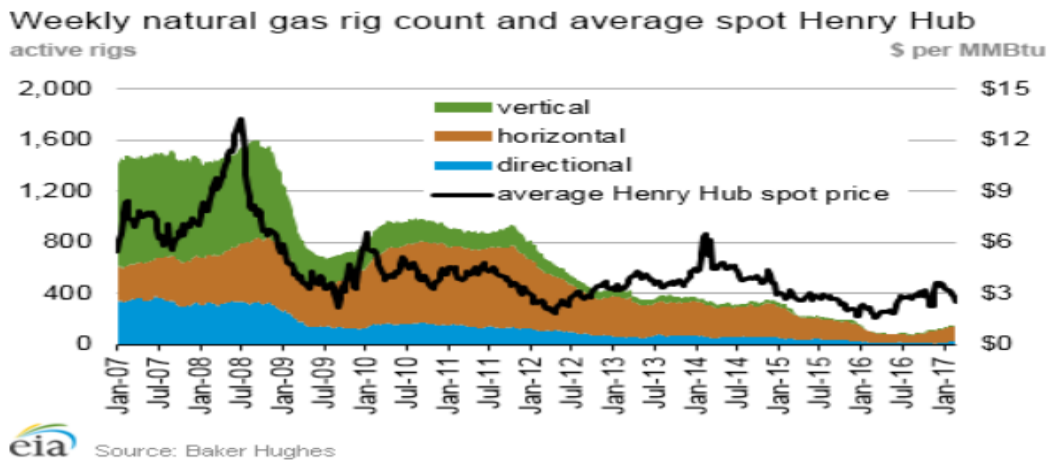
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2017-03-17	2017-03-10	change
East	309	368	-59
Midwest	506	557	-51
Mountain	137	137	0
Pacific	208	203	5
South Central	932	977	-45
Total	2,092	2,242	-150

Source: U.S. Energy Information Administration

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

EIA Natural Gas Rig Count and Price Trend



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 2017	April 2017	change	March 2017	April 2017	change
Bakken	994	1,001	7	1,427	1,447	20
Eagle Ford	1,440	1,442	2	4,527	4,542	15
Haynesville	32	32	-	7,159	7,215	56
Marcellus	69	70	1	13,049	13,233	184
Niobrara	1,294	1,300	6	4,285	4,406	121
Permian	660	662	2	1,111	1,113	2
Utica	192	207	15	10,373	10,473	100
Rig-weighted average	711	720	9	3,513	3,516	3

Source: Energy Information Administration, *Drilling Productivity Report*