

# National Mining Association

## Weekly Statistical Summary

---

April 14, 2017 Edition  
(Data for Week Ending April 8, 2017)

Prepared by  
National Mining Association



Suite 500 East, 101 Constitution Avenue, NW  
Washington, DC, 20001  
Phone (202) 463-2600  
Visit us at <http://www.nma.org>

# NMA Weekly Statistical Summary

Vol. 55, No. 14  
Dated 04/14/17

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	04/08/17	04/02/16	% Chng	04/08/17	04/08/16	% Chng
<b>EIA Coal Production (000 Tons):</b>						
Week Ended/Year to Date	13,765	11,479	19.9%	215,511	185,538	16.2%
52 Weeks Ended	767,510	822,615	-6.7%			
AAR Coal Rail Cars Loaded:	75,078	62,256	20.6%	1,170,157	1,005,876	16.3%
<b>DOC Coal Trade (000 Tons)</b>						
<b>Exports:</b>						
	<b>February 17/16</b>		<b>% Chng</b>	<b>Jan - Feb 17/16</b>		<b>% Chng</b>
Metallurgical	3,776	3,495	8.0%	8,092	6,557	23.4%
Steam *	3,083	1,010	205.2%	6,137	2,311	165.6%
Lignite	9	6	50.0%	15	11	36.4%
Anthracite	47	5	840.0%	60	73	-17.8%
<b>Total</b>	<b>6,915</b>	<b>4,516</b>	<b>53.1%</b>	<b>14,304</b>	<b>8,952</b>	<b>59.8%</b>
<b>Imports:</b>						
	612	819	-25.3%	1,355	1,512	-10.4%
<b>Week Ended</b>						
	<b>04/08/17</b>	<b>04/09/16</b>	<b>% Chng</b>	<b>Cumulative Week 1 to</b>		
				<b>04/08/17</b>	<b>04/09/16</b>	<b>% Chng</b>
<b>EI Electric Total Output (Mil. Kwh)</b>	68,555	68,786	-0.3%	1,029,618	1,033,560	-0.4%
<b>EI Coal Region Output (Mil. Kwh)</b>	58,725	58,781	-0.1%	877,156	886,114	-1.0%
<b>AISI Raw Steel Output (000 Tons)</b>	1,703	1,698	0.3%	24,254	23,355	3.8%

## 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)	
	04/07/17	03/31/17	% Chng	Wed.	04/05/17
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$53.60	\$51.75	3.6%	Henry Hub	3.21
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	46.60	45.15	3.2%	New York	3.14
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	30.95	31.65	-2.2%	Chicago	3.24
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	11.42	11.50	-0.7%	Cal.Comp.Avg.	2.87
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	41.00	40.00	2.5%		

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		
	4/8/2017 (week 14)	4/1/2017 (week 13)	4/2/2016 (week 14)	4/8/2017	4/8/2016	% Change	4/8/2017	4/2/2016	% Change
Alabama	145	177	161	2,491	2,619	-4.9	9,120	11,449	-20.3
Alaska	16	19	19	344	327	5.1	962	1,210	-20.5
Arizona	100	105	88	1,564	1,431	9.3	5,628	6,317	-10.9
Arkansas	1	1	1	13	12	8.1	33	80	-58.8
Colorado	220	224	180	2,914	2,723	7.0	13,001	15,915	-18.3
Illinois	798	918	765	13,535	12,195	11.0	45,749	50,270	-9.0
Indiana	576	602	484	8,933	7,767	15.0	30,337	31,783	-4.5
Kansas	2	3	1	36	27	35.5	36	170	-78.8
<b>Kentucky Total</b>	<b>735</b>	<b>802</b>	<b>740</b>	<b>12,230</b>	<b>12,118</b>	<b>0.9</b>	<b>43,459</b>	<b>55,326</b>	<b>-21.4</b>
Eastern (KY)	264	295	298	4,516	4,893	-7.7	16,736	24,574	-31.9
Western (KY)	471	507	442	7,713	7,226	6.7	26,723	30,752	-13.1
Louisiana	53	55	45	822	710	15.7	2,949	3,316	-11.1
Maryland	27	29	23	417	383	9.0	1,627	1,705	-4.6
Mississippi	53	57	48	878	816	7.6	2,966	3,105	-4.5
Missouri	6	6	3	74	47	58.6	265	138	92.0
Montana	533	579	479	8,572	7,913	8.3	33,355	38,020	-12.3
New Mexico	181	256	254	4,005	4,486	-10.7	13,002	19,893	-34.6
North Dakota	569	634	474	9,634	7,713	24.9	30,416	28,400	7.1
Ohio	240	262	251	4,292	4,148	3.5	12,912	15,832	-18.4
Oklahoma	13	13	11	207	180	15.1	669	738	-9.3
<b>Pennsylvania Total</b>	<b>968</b>	<b>992</b>	<b>718</b>	<b>14,026</b>	<b>11,208</b>	<b>25.1</b>	<b>49,343</b>	<b>47,205</b>	<b>4.5</b>
Anthracite (PA)	27	33	29	518	463	11.9	1,711	2,074	-17.5
Bituminous (PA)	941	959	690	13,508	10,745	25.7	47,632	45,130	5.5
Tennessee	11	13	14	233	242	-3.9	666	914	-27.1
Texas	856	900	650	14,328	10,604	35.1	43,449	37,681	15.3
Utah	300	311	230	4,684	3,634	28.9	14,998	14,075	6.6
Virginia	286	296	218	4,393	3,449	27.4	14,371	13,596	5.7
<b>West Virginia Total</b>	<b>1,561</b>	<b>1,672</b>	<b>1,297</b>	<b>24,595</b>	<b>20,727</b>	<b>18.7</b>	<b>85,012</b>	<b>86,796</b>	<b>-2.1</b>
Northern (WV)	903	949	691	14,150	11,062	27.9	47,168	44,371	6.3
Southern (WV)	659	722	606	10,445	9,665	8.1	37,844	42,426	-10.8
Wyoming	5,514	5,569	4,319	82,290	70,057	17.5	313,184	338,680	-7.5
<b>Appalachian Total</b>	<b>3,502</b>	<b>3,735</b>	<b>2,982</b>	<b>54,963</b>	<b>47,670</b>	<b>15.3</b>	<b>189,787</b>	<b>202,072</b>	<b>-6.1</b>
<b>Interior Total</b>	<b>2,829</b>	<b>3,061</b>	<b>2,452</b>	<b>46,541</b>	<b>39,584</b>	<b>17.6</b>	<b>153,176</b>	<b>158,034</b>	<b>-3.1</b>
<b>Western Total</b>	<b>7,435</b>	<b>7,697</b>	<b>6,045</b>	<b>114,006</b>	<b>98,285</b>	<b>16.0</b>	<b>424,546</b>	<b>462,509</b>	<b>-8.2</b>
<b>East of Mississippi River</b>	<b>5,400</b>	<b>5,817</b>	<b>4,722</b>	<b>86,023</b>	<b>75,673</b>	<b>13.7</b>	<b>295,562</b>	<b>317,982</b>	<b>-7.1</b>
<b>West of Mississippi River</b>	<b>8,365</b>	<b>8,675</b>	<b>6,757</b>	<b>129,487</b>	<b>109,865</b>	<b>17.9</b>	<b>471,948</b>	<b>504,633</b>	<b>-6.5</b>
Bituminous and Lignite	13,738	14,460	11,450	214,992	185,075	16.2	765,798	820,540	-6.7
Anthracite	27	33	29	518	463	11.9	1,711	2,074	-17.5
<b>U.S. Total</b>	<b>13,765</b>	<b>14,493</b>	<b>11,479</b>	<b>215,511</b>	<b>185,538</b>	<b>16.2</b>	<b>767,510</b>	<b>822,615</b>	<b>-6.7</b>
Railroad Cars Loaded	75,078	78,665	62,256	1,170,157	1,005,876	16.3	4,329,190	4,676,733	-7.4

Source: Energy Information Administration



# Weekly Electric Output

Volume 85 No. 14

**OUTPUT FOR WEEK ENDED - Apr 08, 2017**

**Apr 12, 2017**

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, **Apr 08, 2017** was **68,555** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **167** on the weekly electric output index.

**WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION**

(48 CONTIGUOUS STATES)

	Week Ended April 08		52 Weeks Ended April 08	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,177	-4.4	123,886	0.2
Mid-Atlantic	7,248	-5.0	435,294	0.8
Central Industrial	11,964	-5.5	673,373	1.8
West Central	5,728	-0.7	330,030	1.2
Southeast	17,108	2.3	1,022,805	1.5
South Central	12,254	5.9	720,038	2.9
Rocky Mountain	4,423	0.0	276,777	-0.3
Pacific Northwest	2,883	7.1	157,116	2.6
Pacific Southwest	4,770	-5.3	283,132	-0.5
Total United States	68,555	-0.3	4,022,451	1.4

**WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh**

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
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
Apr 01	69,461	Apr 02	67,204	3.4	Apr 01	4,022,683	1.4
Apr 08	68,555	Apr 09	68,786	-0.3	Apr 08	4,022,451	1.4
<b>Apr 08</b>	<b>1,029,618</b>	<b>Apr 09</b>	<b>1,033,560</b>	<b>-0.4</b>	<b>YEAR TO DATE, FIRST 14 WEEKS</b>		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Mar 18	173	Mar 19	175	Mar 21	161
Mar 25	163	Mar 26	168	Mar 28	165
Apr 01	167	Apr 02	169	Apr 04	160
Apr 08	167	Apr 09	175	Apr 11	159

\* Excludes Alaska and Hawaii.

+ Includes investor-owned companies, cooperatives and government-owned utilities.

Copyright © 2017 Edison Electric Institute. All rights reserved.

**EEl WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION  
(48 CONTIGUOUS STATES)**

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	8-Apr 2017 GWh Output	9-Apr 2016 GWh Output	% Increase Over Corresponding Week of 2016	8-Apr 2017 GWh Output	9-Apr 2016 GWh Output	% Increase Over Corresponding Week of 2016	8-Apr 2017 GWh Output	9-Apr 2016 GWh Output	% Increase Over Corresponding Week of 2016
<b>New England</b>	2,177	2,277	-4.4%	<b>33,075</b>	<b>33,160</b>	<b>-0.3%</b>	123,886	123,666	0.2%
<b>Mid-Atlantic</b>	7,248	7,632	-5.0%	<b>113,044</b>	<b>113,833</b>	<b>-0.7%</b>	435,294	431,855	0.8%
<b>Central Industrial</b>	11,964	12,665	-5.5%	<b>179,016</b>	<b>182,477</b>	<b>-1.9%</b>	673,373	661,212	1.8%
<b>West Central</b>	5,728	5,771	-0.7%	<b>84,446</b>	<b>85,171</b>	<b>-0.9%</b>	330,030	326,150	1.2%
<b>Southeast</b>	17,108	16,717	2.3%	<b>257,754</b>	<b>266,911</b>	<b>-3.4%</b>	1,022,805	1,008,042	1.5%
<b>South Central</b>	12,254	11,573	5.9%	<b>172,611</b>	<b>168,907</b>	<b>2.2%</b>	720,038	699,835	2.9%
<b>Rocky Mountain</b>	4,423	4,423	0.0%	<b>70,285</b>	<b>68,815</b>	<b>2.1%</b>	276,777	277,678	-0.3%
<b>Pacific Northwest</b>	2,883	2,693	7.1%	<b>49,930</b>	<b>45,039</b>	<b>10.9%</b>	157,116	153,108	2.6%
<b>Pacific Southwest</b>	4,770	5,035	-5.3%	<b>69,457</b>	<b>69,245</b>	<b>0.3%</b>	283,132	284,586	-0.5%
<b>Total United States <sup>1/</sup></b>	<u>68,555</u>	<u>68,786</u>	-0.3%	<u><b>1,029,618</b></u>	<u><b>1,033,558</b></u>	<b>-0.4%</b>	4,022,451	3,966,132	1.4%
<b>Coal Regions Only <sup>2/</sup></b>	58,725	58,781	-0.1%	<b>877,156</b>	<b>886,114</b>	<b>-1.0%</b>	3,458,317	3,404,772	1.6%

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.

<sup>1/</sup> Excludes Alaska and Hawaii

<sup>2/</sup> Excludes New England and Pacific regions

SOURCE: Edison Electric Institute (EEI), *Weekly Electric Output Report*.

AMERICAN IRON AND STEEL INSTITUTE  
 25 Massachusetts Avenue, NW, Suite 800  
 Washington, D.C. 20001

April 10, 2017

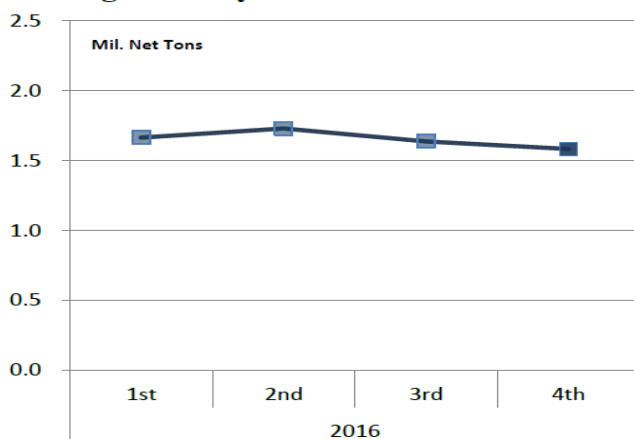
**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

<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>Apr. 8</u>	<u>Apr. 1</u>	
<b><u>Week Ending</u></b>				North East	188	197
				Great Lakes	627	657
April 8, 2017	1,703	0.7	73.0	Midwest	168	169
April 8, 2016	1,698	0.3	72.6	Southern	643	579
April 1, 2017	1,692	-1.9	71.4	Western	77	90
				<b>Total</b>	<b>1,703</b>	<b>1,692</b>
<b><u>Year-to-Date +</u></b>						
April 8, 2017	24,254	3.8	74.3			
April 8, 2016	23,355	-	71.6			

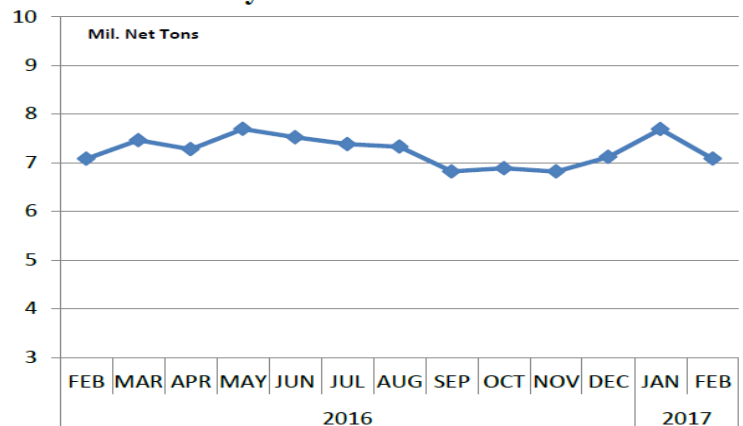
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

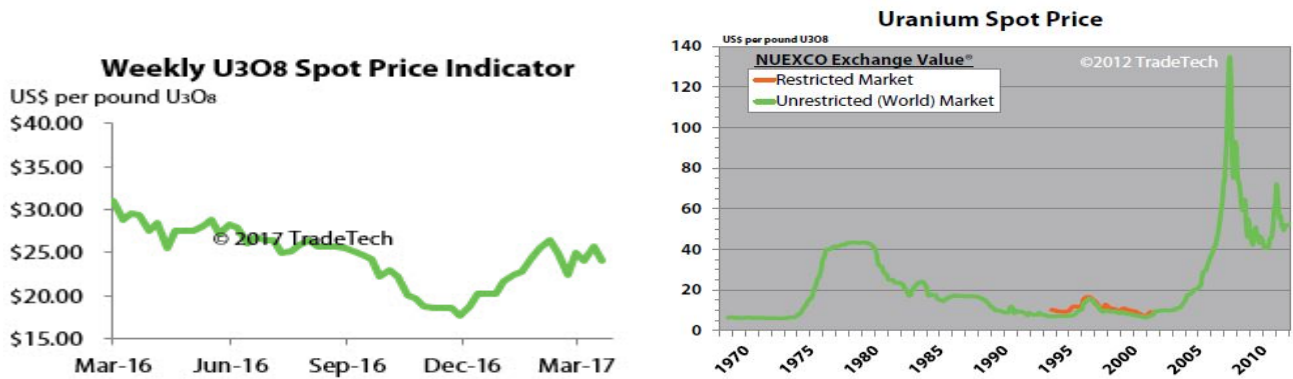


Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)

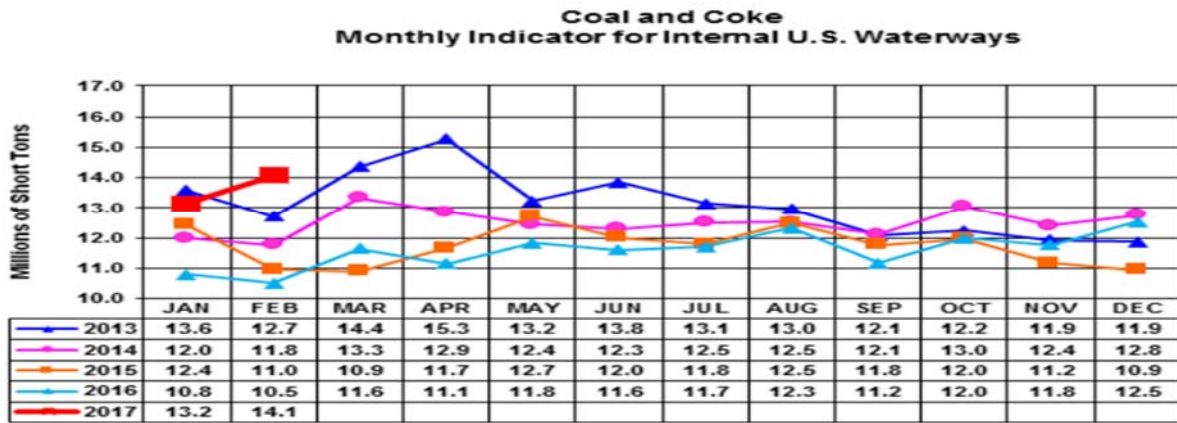


Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)

### Trade Tech's Uranium Price Indicators



Source: Trade Tech, Uranium Info Website – [www.uranium.info](http://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.

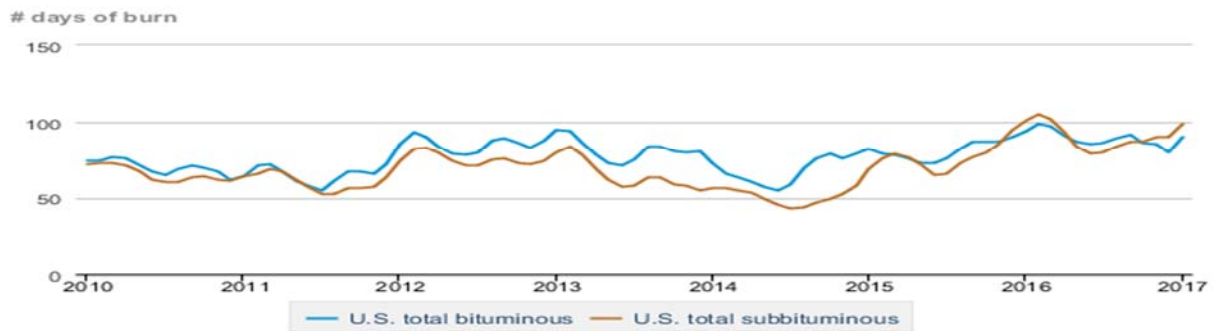
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

### Average weekly coal commodity spot prices *dollars per short ton*

	Week ending					Week ago
	03/10/17	03/17/17	03/24/17	03/31/17	04/07/17	change
Central Appalachia <i>12,500 Btu, 1.2 SO<sub>2</sub></i>	\$51.60	\$51.60	\$51.60	\$51.75	\$53.60	\$1.85
Northern Appalachia <i>13,000 Btu, &lt; 3.0 SO<sub>2</sub></i>	\$45.00	\$45.00	\$45.00	\$45.15	\$46.60	\$1.45
Illinois Basin <i>11,800 Btu, 5.0 SO<sub>2</sub></i>	\$31.65	\$31.65	\$31.65	\$31.65	\$30.95	\$-0.70
Powder River Basin <i>8,800 Btu, 0.8 SO<sub>2</sub></i>	\$11.45	\$11.45	\$11.45	\$11.50	\$11.42	\$-0.08
Uinta Basin <i>11,700 Btu, 0.8 SO<sub>2</sub></i>	\$39.90	\$39.90	\$39.90	\$40.00	\$41.00	\$1.00

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*

Region	Temperature – heating & cooling degree days (week ending Mar 30)					
	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	193	17	42	0	0	0
Middle Atlantic	143	-18	26	0	0	0
E N Central	113	-54	-32	0	0	0
W N Central	128	-35	-27	0	-1	0
South Atlantic	44	-45	-9	19	7	0
E S Central	21	-63	-44	14	9	14
W S Central	16	-31	-32	33	19	22
Mountain	119	-22	-29	2	-2	0
Pacific	77	-5	4	0	-1	0
United States	95	-31	-12	8	3	3

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 - 4th Quarter	2015 Year to Date - 4th Quarter	Percent Change
Aluminum, secondary (000 Mt.)	896.0	916.0	-2%
Cement (Mil. Mt.)	82.7	81.9	1%
Copper (000 Mt.)	1,430.0	1,410.0	1%
Gold (Mt.)	236.0	214.0	10%
Gypsum (Mil. Mt.)	16.4	15.0	9%
Iron Ore (Mil. Mt.)	39.9	43.1	-7%
Lead (000 Mt.)	330.0	358.0	-8%
Molybdenum (000 Mt.)	35.8	50.6	-29%
Phosphate rock (Mil. Mt.)	27.3	27.4	0%
Sand & gravel, construction (Mil. Mt.)	959.0	937.0	2%
Silver (Mt.)	1,150.0	1,090.0	6%
Soda ash (Mil. Mt.)	11.8	11.6	2%
Stone, crushed (Mil. Mt.)	1,370.0	1,330.0	3%
Zinc (000 Mt.)	772.0	797.0	-3%

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)



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			December 2016		
		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	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*

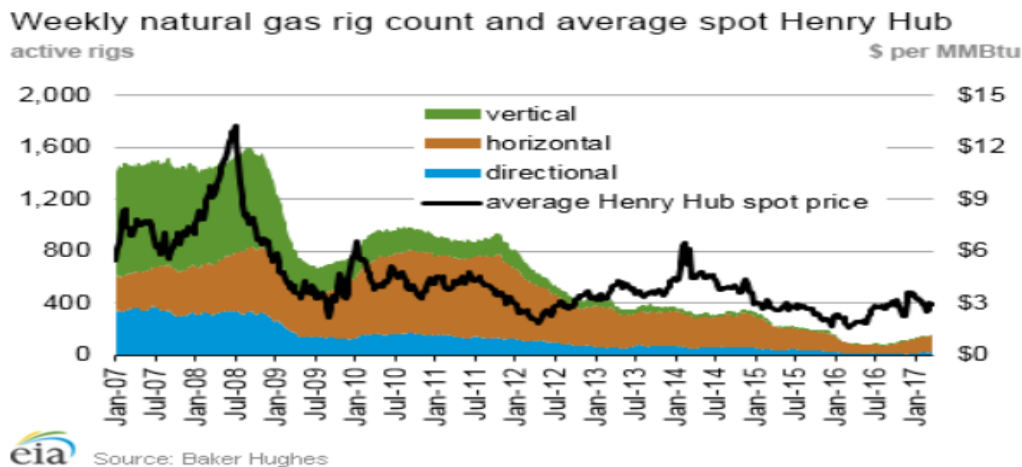
### EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2017-03-31	2017-03-24	change
East	268	278	-10
Midwest	479	486	-7
Mountain	142	141	1
Pacific	216	212	4
South Central	946	932	14
<b>Total</b>	<b>2,051</b>	<b>2,049</b>	<b>2</b>

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*