

# National Mining Association

## Weekly Statistical Summary

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March 10, 2017 Edition  
(Data for Week Ending March 4, 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. 9  
Dated 03/10/17

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	03/04/17	02/27/16	% Chng	03/04/17	03/04/16	% Chng
<b>EIA Coal Production (000 Tons):</b>						
Week Ended/Year to Date	15,725	13,761	14.3%	144,031	125,700	14.6%
52 Weeks Ended	768,501	852,284	-9.8%			
AAR Coal Rail Cars Loaded:	85,183	74,552	14.3%	780,223	681,442	14.5%
Coal Production Month Ended - Feb.	<b>Feb 17/16</b>		<b>% Chng</b>	<b>Jan - Feb 17/16</b>		<b>% Chng</b>
	65,411	57,263	14.2%	134,910	117,763	14.6%
<b>DOC Coal Trade (000 Tons)</b>						
<b>Exports:</b>	<b>January 17/16</b>			<b>Jan - Jan 17/16</b>		
			<b>% Chng</b>			<b>% Chng</b>
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%
<b>Total</b>	<b>7,389</b>	<b>4,437</b>	<b>66.5%</b>	<b>7,389</b>	<b>4,437</b>	<b>66.5%</b>
<b>Imports:</b>	743	693	7.2%	743	693	7.2%
	<b>Week Ended</b>			<b>Cumulative Week 1 to</b>		
	<b>03/04/17</b>	<b>03/05/16</b>	<b>% Chng</b>	<b>03/04/17</b>	<b>03/05/16</b>	<b>% Chng</b>
<b>EI Electric Total Output (Mil. Kwh)</b>	71,589	71,352	0.3%	675,371	693,160	-2.6%
<b>EI Coal Region Output (Mil. Kwh)</b>	60,998	60,966	0.1%	574,011	596,166	-3.7%
<b>AISI Raw Steel Output (000 Tons)</b>	1,760	1,695	3.8%	15,596	14,917	4.6%

## 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)	
	03/03/17	02/24/17	% Chng	Wed.	03/01/17
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$51.60	\$51.60	0.0%	Henry Hub	2.60
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	46.25	46.25	0.0%	New York	2.36
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	31.65	31.65	0.0%	Chicago	2.68
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	11.50	11.50	0.0%	Cal.Comp.Avg.	2.70
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	40.10	40.10	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



<b>EIA Estimated Weekly U.S. Coal Production Overview</b>									
	<b>Week Ended</b>			<b>Year to Date</b>			<b>52 Weeks Ended</b>		
<b>Coal-Producing Region &amp; State (thousand short tons)</b>	<b>3/4/2017 (week 9)</b>	<b>2/25/2017 (week 8)</b>	<b>2/27/2016 (week 9)</b>	<b>3/4/2017</b>	<b>3/4/2016</b>	<b>% Change</b>	<b>3/4/2017</b>	<b>2/27/2016</b>	<b>% Change</b>
Alabama	179	180	195	1,653	1,777	-7.0	8,873	12,120	-26.8
Alaska	27	28	25	244	225	8.6	1,110	1,206	-8.0
Arizona	113	115	106	1,047	970	7.9	5,605	6,526	-14.1
Arkansas	1	1	1	9	8	10.8	45	85	-47.1
Colorado	201	194	197	1,862	1,803	3.2	11,637	17,038	-31.7
Illinois	982	1,006	900	9,078	8,225	10.4	46,763	52,557	-11.0
Indiana	645	650	575	5,970	5,248	13.8	30,566	32,808	-6.8
Kansas	3	3	2	23	19	20.2	75	182	-58.8
<b>Kentucky Total</b>	<b>900</b>	<b>907</b>	<b>902</b>	<b>8,237</b>	<b>8,243</b>	<b>-0.1</b>	<b>44,546</b>	<b>57,758</b>	<b>-22.9</b>
Eastern (KY)	335	334	365	3,045	3,329	-8.5	17,308	25,952	-33.3
Western (KY)	565	572	538	5,192	4,913	5.7	27,238	31,806	-14.4
Louisiana	60	59	52	550	477	15.5	2,971	3,370	-11.8
Maryland	30	30	29	275	261	5.0	1,525	1,790	-14.8
Mississippi	64	67	61	594	560	6.0	3,006	3,136	-4.1
Missouri	5	5	3	48	30	58.3	228	139	64.0
Montana	631	631	591	5,720	5,397	6.0	32,697	39,545	-17.3
New Mexico	311	278	342	2,785	3,120	-10.7	14,682	19,952	-26.4
North Dakota	707	711	573	6,527	5,237	24.6	31,124	28,661	8.6
Ohio	321	329	310	2,957	2,829	4.5	14,561	16,322	-10.8
Oklahoma	15	15	13	140	121	15.7	696	757	-8.1
<b>Pennsylvania Total</b>	<b>994</b>	<b>987</b>	<b>822</b>	<b>9,233</b>	<b>7,506</b>	<b>23.0</b>	<b>47,577</b>	<b>48,670</b>	<b>-2.2</b>
Anthracite (PA)	39	39	34	358	313	14.2	1,859	2,108	-11.8
Bituminous (PA)	955	948	787	8,875	7,193	23.4	45,718	46,562	-1.8
Tennessee	18	19	18	166	168	-1.1	799	914	-12.6
Texas	1,060	1,081	789	9,794	7,204	36.0	45,092	37,198	21.2
Utah	339	339	267	3,148	2,443	28.8	15,005	14,257	5.2
Virginia	317	317	254	2,939	2,319	26.7	14,462	13,911	4.0
<b>West Virginia Total</b>	<b>1,781</b>	<b>1,795</b>	<b>1,532</b>	<b>16,410</b>	<b>13,992</b>	<b>17.3</b>	<b>84,897</b>	<b>90,273</b>	<b>-6.0</b>
Northern (WV)	1,031	1,028	818	9,477	7,472	26.8	47,675	45,737	4.2
Southern (WV)	750	768	714	6,933	6,520	6.3	37,222	44,535	-16.4
Wyoming	6,022	5,912	5,202	54,622	47,517	15.0	309,959	353,110	-12.2
<b>Appalachian Total</b>	<b>3,975</b>	<b>3,993</b>	<b>3,523</b>	<b>36,677</b>	<b>32,183</b>	<b>14.0</b>	<b>190,003</b>	<b>209,953</b>	<b>-9.5</b>
<b>Interior Total</b>	<b>3,399</b>	<b>3,459</b>	<b>2,935</b>	<b>31,398</b>	<b>26,806</b>	<b>17.1</b>	<b>156,680</b>	<b>162,036</b>	<b>-3.3</b>
<b>Western Total</b>	<b>8,351</b>	<b>8,207</b>	<b>7,303</b>	<b>75,955</b>	<b>66,712</b>	<b>13.9</b>	<b>421,818</b>	<b>480,295</b>	<b>-12.2</b>
<b>East of Mississippi River</b>	<b>6,231</b>	<b>6,288</b>	<b>5,597</b>	<b>57,511</b>	<b>51,129</b>	<b>12.5</b>	<b>297,576</b>	<b>330,260</b>	<b>-9.9</b>
<b>West of Mississippi River</b>	<b>9,494</b>	<b>9,370</b>	<b>8,164</b>	<b>86,520</b>	<b>74,572</b>	<b>16.0</b>	<b>470,925</b>	<b>522,024</b>	<b>-9.8</b>
Bituminous and Lignite	15,686	15,619	13,727	143,673	125,387	14.6	766,642	850,176	-9.8
Anthracite	39	39	34	358	313	14.2	1,859	2,108	-11.8
<b>U.S. Total</b>	<b>15,725</b>	<b>15,658</b>	<b>13,761</b>	<b>144,031</b>	<b>125,700</b>	<b>14.6</b>	<b>768,501</b>	<b>852,284</b>	<b>-9.8</b>
Railroad Cars Loaded	85,183	84,822	74,552	780,223	681,442	14.5	4,275,438	4,865,004	-12.1

Source: Energy Information Administration

 Prepared by EEI's Business Information Group

## WEEKLY ELECTRIC OUTPUT

Volume 85 No. 9

### OUTPUT FOR WEEK ENDED - Mar 04, 2017

Mar 08, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, Mar 04, 2017 was 71,589 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 155 on the weekly electric output index.

### WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended March 04		52 Weeks Ended March 04	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,247	-3.5	123,217	-1.1
Mid-Atlantic	7,750	-3.0	432,952	-0.5
Central Industrial	12,536	-3.0	671,426	1.2
West Central	5,720	0.9	329,598	0.8
Southeast	18,120	-0.9	1,018,559	0.8
South Central	11,958	3.8	716,136	2.3
Rocky Mountain	4,914	7.2	276,451	-0.5
Pacific Northwest	3,522	15.2	156,225	2.3
Pacific Southwest	4,822	-3.6	284,042	-0.3
Total United States	71,589	0.3	4,008,605	0.8

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

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
Feb 11	74,849	Feb 13	79,816	-6.2	Feb 11	4,014,920	0.1
Feb 18	72,338	Feb 20	75,345	-4.0	Feb 18	4,011,913	0.3
Feb 25	68,347	Feb 27	71,892	-4.9	Feb 25	4,008,368	0.6
Mar 04	71,589	Mar 05	71,352	0.3	Mar 04	4,008,605	0.8
Mar 04	675,371	Mar 05	693,160	-2.6	YEAR TO DATE, FIRST 9 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Feb 11	155	Feb 13	183	Feb 14	179
Feb 18	154	Feb 20	175	Feb 21	193
Feb 25	148	Feb 27	171	Feb 28	198
Mar 04	155	Mar 05	172	Mar 07	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		
	4-Mar 2017 GWh Output	5-Mar 2016 GWh Output	% Increase Over Corresponding Week of 2016	4-Mar 2017 GWh Output	5-Mar 2016 GWh Output	% Increase Over Corresponding Week of 2016	4-Mar 2017 GWh Output	5-Mar 2016 GWh Output	% Increase Over Corresponding Week of 2016
<b>New England</b>	2,247	2,328	-3.5%	<b>21,473</b>	<b>22,227</b>	<b>-3.4%</b>	123,217	124,540	-1.1%
<b>Mid-Atlantic</b>	7,750	7,988	-3.0%	<b>74,068</b>	<b>77,199</b>	<b>-4.1%</b>	432,952	434,969	-0.5%
<b>Central Industrial</b>	12,536	12,928	-3.0%	<b>117,209</b>	<b>122,618</b>	<b>-4.4%</b>	671,426	663,778	1.2%
<b>West Central</b>	5,720	5,668	0.9%	<b>55,790</b>	<b>56,947</b>	<b>-2.0%</b>	329,598	326,854	0.8%
<b>Southeast</b>	18,120	18,276	-0.9%	<b>168,783</b>	<b>182,186</b>	<b>-7.4%</b>	1,018,559	1,010,283	0.8%
<b>South Central</b>	11,958	11,522	3.8%	<b>110,855</b>	<b>111,053</b>	<b>-0.2%</b>	716,136	699,840	2.3%
<b>Rocky Mountain</b>	4,914	4,584	7.2%	<b>47,306</b>	<b>46,163</b>	<b>2.5%</b>	276,451	277,736	-0.5%
<b>Pacific Northwest</b>	3,522	3,057	15.2%	<b>34,321</b>	<b>30,320</b>	<b>13.2%</b>	156,225	152,742	2.3%
<b>Pacific Southwest</b>	4,822	5,001	-3.6%	<b>45,567</b>	<b>44,446</b>	<b>2.5%</b>	284,042	284,990	-0.3%
<b>Total United States <sup>1/</sup></b>	<u>71,589</u>	<u>71,352</u>	0.3%	<u><b>675,372</b></u>	<u><b>693,159</b></u>	<u><b>-2.6%</b></u>	4,008,606	3,975,732	0.8%
<b>Coal Regions Only <sup>2/</sup></b>	60,998	60,966	0.1%	<b>574,011</b>	<b>596,166</b>	<b>-3.7%</b>	3,445,122	3,413,460	0.9%

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.

<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

March 6, 2017

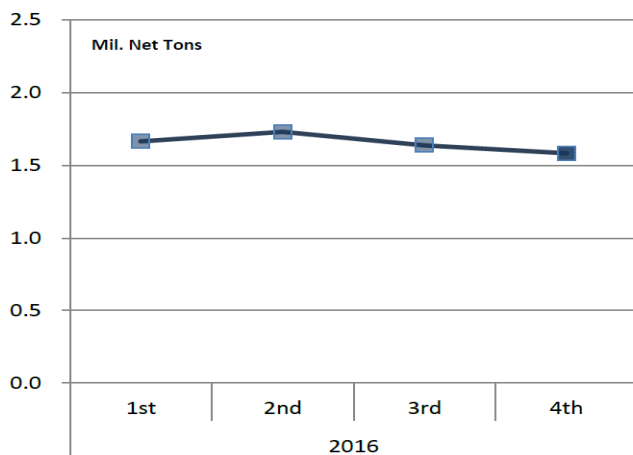
**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

<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 Mar. 4</u>	<u>Feb. 25</u>	
<b><u>Week Ending</u></b>				North East	203	205
				Great Lakes	689	694
March 4, 2017	1,760	-0.6	74.3	Midwest	166	170
March 4, 2016	1,695	3.8	72.5	Southern	627	629
February 25, 2017	1,770	0.2	74.7	Western	<u>75</u>	<u>72</u>
				Total	1,760	1,770
<b><u>Year-to-Date +</u></b>						
March 4, 2017	15,596	4.6	73.1			
March 3, 2016	14,917	-	70.9			

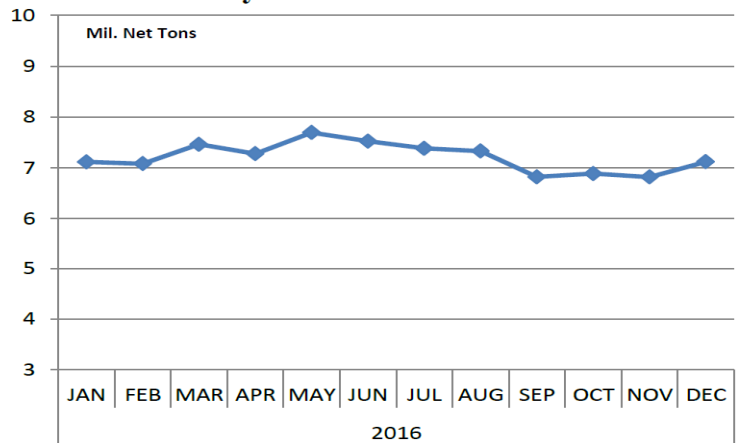
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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



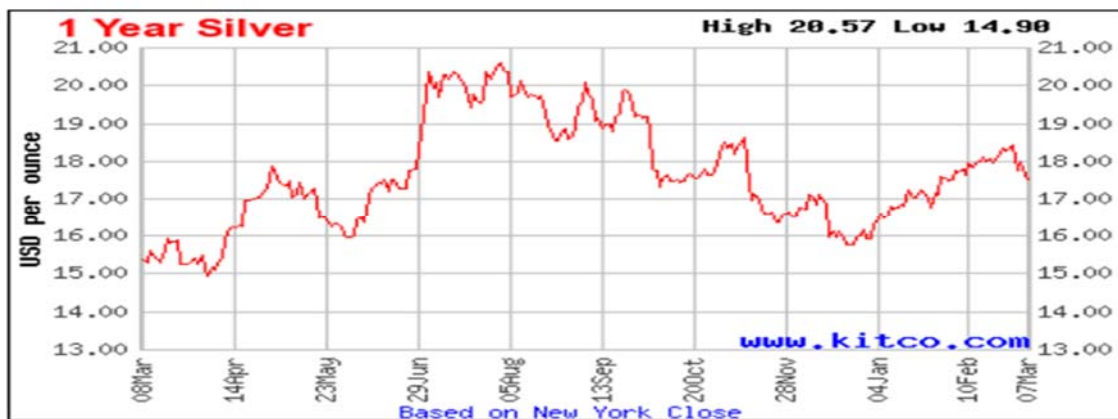
\*Steel in the first solid state after melting suitable for further processing or sale, including ingots, steel for castings and strand or pressure cast blooms, slabs or other product forms. \*\* Based on tonnage capability to produce raw steel for a sustained full order book.



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

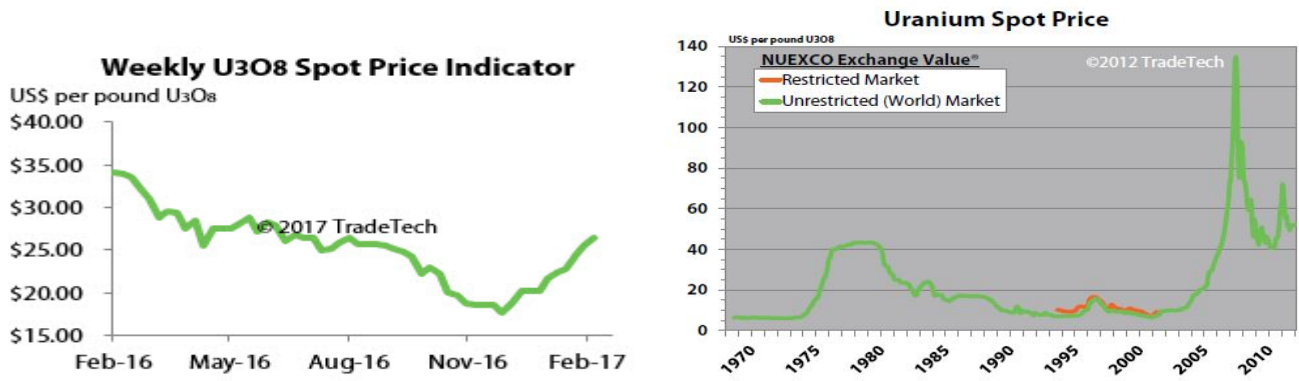


Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)

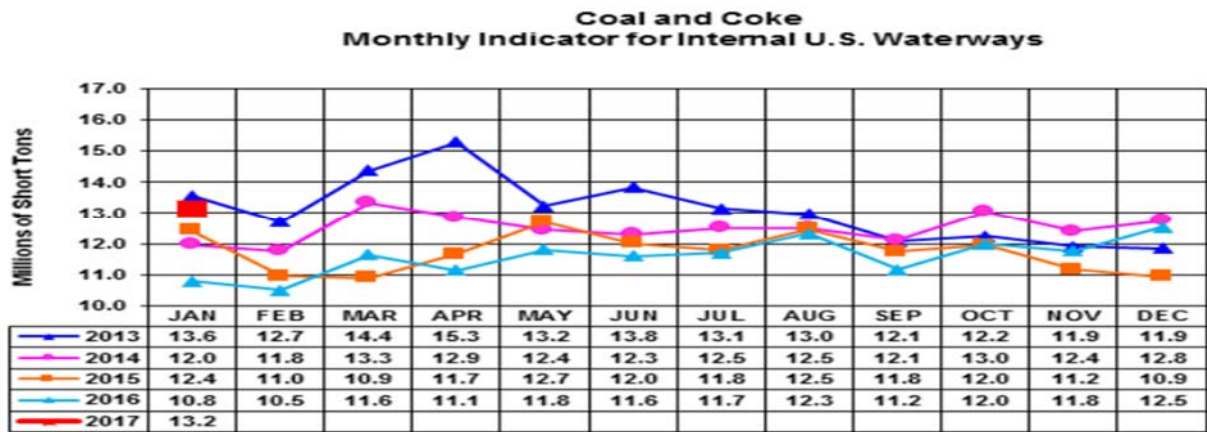


Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)

### 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.

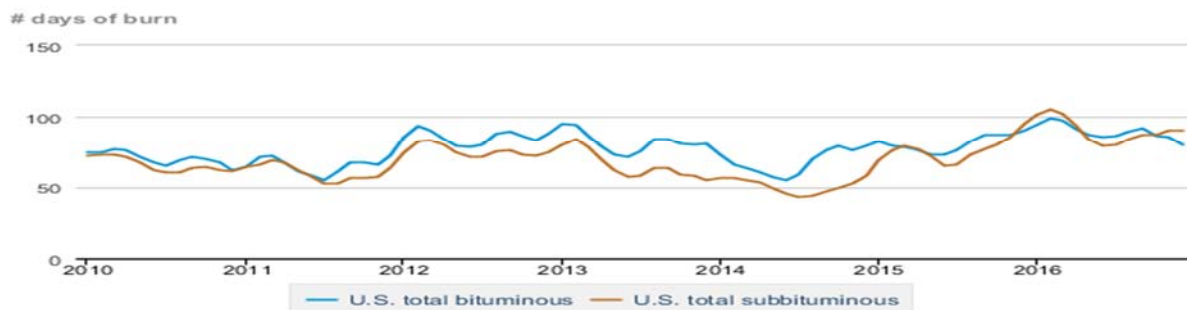
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

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

	Week ending					Week ago change
	02/03/17	02/10/17	02/17/17	02/24/17	03/03/17	
Central Appalachia <i>12,500 Btu, 1.2 SO<sub>2</sub></i>	\$50.05	\$50.05	\$51.60	\$51.60	\$51.60	\$0.00
Northern Appalachia <i>13,000 Btu, &lt; 3.0 SO<sub>2</sub></i>	\$45.80	\$45.80	\$46.25	\$46.25	\$46.25	\$0.00
Illinois Basin <i>11,800 Btu, 5.0 SO<sub>2</sub></i>	\$31.75	\$31.75	\$31.65	\$31.65	\$31.65	\$0.00
Powder River Basin <i>8,800 Btu, 0.8 SO<sub>2</sub></i>	\$11.80	\$11.80	\$11.50	\$11.50	\$11.50	\$0.00
Uinta Basin <i>11,700 Btu, 0.8 SO<sub>2</sub></i>	\$41.15	\$41.15	\$40.10	\$40.10	\$40.10	\$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 - December 2016



Source: U.S. Energy Information Administration

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

### Temperature – heating & cooling degree days (week ending Feb 24)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	184	-67	-26	0	0	0
Middle Atlantic	146	-92	-59	0	0	0
E N Central	106	-148	-89	0	0	0
W N Central	110	-147	-67	0	0	0
South Atlantic	78	-74	-44	9	1	2
E S Central	63	-85	-30	0	-2	0
W S Central	33	-64	-8	18	14	5
Mountain	144	-48	6	0	-1	-3
Pacific	113	14	37	0	-1	0
United States	107	-83	-36	4	1	1

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	December 2016		December 2015		% Change of Stocks	November 2016		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	5,484	66	8,431	92	-35.0%	5,971	77	-8.2%
	Subbituminous	98	36	675	174	-85.5%	153	63	-35.8%
South	Bituminous	29,868	77	38,367	94	-22.2%	30,726	82	-2.8%
	Subbituminous	5,978	68	8,145	97	-26.6%	6,491	75	-7.9%
Midwest	Bituminous	16,279	87	18,555	88	-12.3%	17,154	90	-5.1%
	Subbituminous	44,048	87	48,508	82	-9.2%	45,254	85	-2.7%
West	Bituminous	5,868	98	5,331	77	10.1%	6,099	93	-3.8%
	Subbituminous	31,244	100	40,914	116	-23.6%	34,098	102	-8.4%
U.S. Total	Bituminous	57,499	80	70,685	90	-18.7%	59,950	85	-4.1%
	Subbituminous	81,369	90	98,241	95	-17.2%	85,996	90	-5.4%

Source: Energy Information Administration, *Electricity Monthly Update*

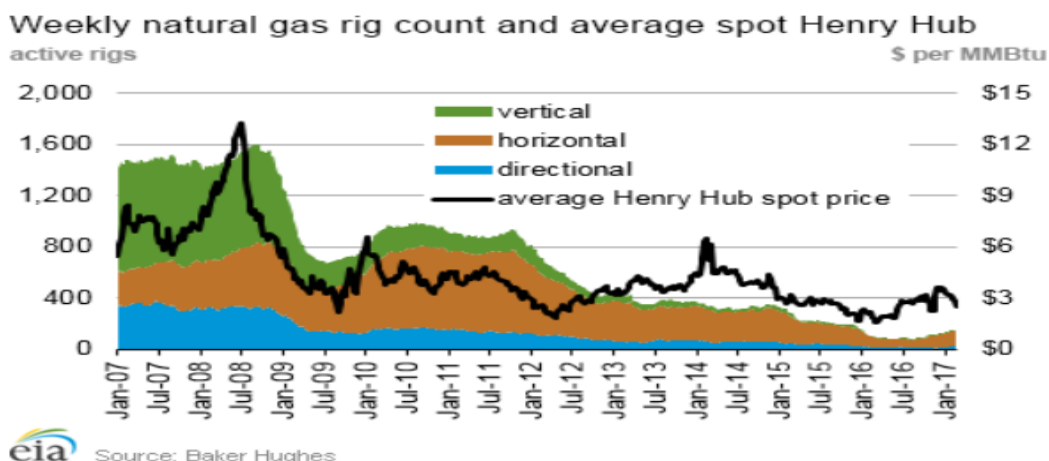
### EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2017-02-24	2017-02-17	change
East	422	431	-9
Midwest	608	612	-4
Mountain	146	146	0
Pacific	205	206	-1
South Central	982	961	21
<b>Total</b>	<b>2,363</b>	<b>2,356</b>	<b>7</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		
	February 2017	March 2017	change	February 2017	March 2017	change
Bakken	987	990	12	1,424	1,455	31
Eagle Ford	1,428	1,438	10	4,436	4,518	82
Haynesville	31	32	1	7,011	7,112	101
Marcellus	69	70	1	12,865	13,028	163
Niobrara	1,285	1,305	20	4,156	4,266	110
Permian	660	668	8	1,097	1,107	10
Utica	110	102	(8)	10,371	10,472	101
Rig-weighted average	699	713	14	3,500	3,509	9

Source: Energy Information Administration, *Drilling Productivity Report*