

# National Mining Association

## Weekly Statistical Summary

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May 19, 2017 Edition  
(Data for Week Ending May 13, 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. 19  
Dated 05/19/17

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	05/13/17	05/07/16	% Chng	05/13/17	05/13/16	% Chng
<b>EIA Coal Production (000 Tons):</b>						
Week Ended/Year to Date	13,490	11,473	17.6%	285,008	242,982	17.3%
52 Weeks Ended	780,625	792,960	-1.6%			
AAR Coal Rail Cars Loaded:	74,290	62,394	19.1%	1,552,301	1,318,276	17.8%
Coal Production Month Ended - Apr.	<b>Apr 17/16</b>		<b>% Chng</b>	<b>Jan - Apr 17/16</b>		<b>% Chng</b>
	60,077	48,115	24.9%	259,786	221,143	17.5%
<b>DOC Coal Trade (000 Tons)</b>						
<b>Exports:</b>	<b>March 17/16</b>		<b>% Chng</b>	<b>Jan - Mar 17/16</b>		<b>% Chng</b>
Metallurgical	4,079	3,596	13.4%	12,171	10,153	19.9%
Steam *	3,915	1,458	168.5%	10,052	3,769	166.7%
Lignite	5	5	0.0%	20	16	25.0%
Anthracite	17	153	-88.9%	77	226	-65.9%
<b>Total</b>	<b>8,016</b>	<b>5,212</b>	<b>53.8%</b>	<b>22,320</b>	<b>14,164</b>	<b>57.6%</b>
<b>Imports:</b>	560	1,186	-52.8%	1,915	2,698	-29.0%
	<b>Week Ended</b>			<b>Cumulative Week 1 to</b>		
	<b>05/13/17</b>	<b>05/14/16</b>	<b>% Chng</b>	<b>05/13/17</b>	<b>05/14/16</b>	<b>% Chng</b>
<b>EI Electric Total Output (Mil. Kwh)</b>	69,261	70,324	-1.5%	1,374,600	1,376,251	-0.1%
<b>EI Coal Region Output (Mil. Kwh)</b>	59,680	60,493	-1.3%	1,173,183	1,179,715	-0.6%
<b>AISI Raw Steel Output (000 Tons)</b>	1,728	1,732	-0.2%	32,924	31,912	3.2%

## 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)	
	05/12/17	05/05/17	% Chng	Wed.	05/10/17
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$52.35	\$52.45	-0.2%	Henry Hub	3.11
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	45.50	45.60	-0.2%	New York	2.98
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	30.95	30.95	0.0%	Chicago	3.08
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	11.55	11.75	-1.7%	Cal.Comp.Avg.	3.06
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	40.35	41.00	-1.6%		

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



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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		
	5/13/2017 (week 19)	5/6/2017 (week 18)	5/7/2016 (week 19)	5/13/2017	5/13/2016	% Change	5/13/2017	5/7/2016	% Change
Alabama	162	154	159	3,293	3,415	-3.6	9,142	10,809	-15.4
Alaska	15	16	16	424	409	3.7	962	1,150	-16.3
Arizona	100	98	88	2,076	1,873	10.9	5,706	5,977	-4.5
Arkansas	1	1	1	17	18	-5.6	31	75	-58.7
Colorado	207	208	220	3,996	3,825	4.5	13,000	14,942	-13.0
Illinois	880	834	801	17,892	16,206	10.4	46,169	48,782	-5.4
Indiana	551	556	498	11,810	10,258	15.1	30,768	30,756	s
Kansas	2	2	.	47	27	75.3	47	151	-68.9
<b>Kentucky Total</b>	<b>703</b>	<b>716</b>	<b>708</b>	<b>15,914</b>	<b>15,664</b>	<b>1.6</b>	<b>43,664</b>	<b>52,398</b>	<b>-16.7</b>
Eastern (KY)	247	256	284	5,826	6,315	-7.7	16,650	22,960	-27.5
Western (KY)	457	460	424	10,089	9,349	7.9	27,014	29,437	-8.2
Louisiana	48	50	50	1,079	959	12.5	2,962	3,283	-9.8
Maryland	29	27	21	560	487	15.0	1,667	1,610	3.5
Mississippi	55	53	42	1,155	1,024	12.8	3,039	2,979	2.0
Missouri	6	6	5	105	71	47.8	272	146	86.3
Montana	574	536	444	11,411	10,135	12.6	34,012	36,241	-6.2
New Mexico	183	187	176	4,955	5,367	-7.7	13,088	18,617	-29.7
North Dakota	593	575	462	12,630	10,025	26.0	31,142	27,902	11.6
Ohio	220	232	232	5,473	5,312	3.0	12,951	15,361	-15.7
Oklahoma	11	12	12	268	239	12.1	672	711	-5.5
<b>Pennsylvania Total</b>	<b>923</b>	<b>926</b>	<b>803</b>	<b>18,836</b>	<b>15,230</b>	<b>23.7</b>	<b>50,206</b>	<b>46,305</b>	<b>8.4</b>
Anthracite (PA)	30	28	29	665	610	9.0	1,714	2,010	-14.7
Bituminous (PA)	893	898	774	18,171	14,620	24.3	48,491	44,296	9.5
Tennessee	10	11	11	288	295	-2.4	670	872	-23.2
Texas	846	839	630	18,685	13,760	35.8	44,708	37,708	18.6
Utah	276	285	249	6,151	4,882	26.0	15,241	13,846	10.1
Virginia	271	274	235	5,814	4,628	25.6	14,635	13,267	10.3
<b>West Virginia Total</b>	<b>1,598</b>	<b>1,550</b>	<b>1,345</b>	<b>32,696</b>	<b>27,463</b>	<b>19.1</b>	<b>86,502</b>	<b>83,890</b>	<b>3.1</b>
Northern (WV)	898	879	712	18,744	14,626	28.2	48,264	43,409	11.2
Southern (WV)	701	670	633	13,952	12,837	8.7	38,238	40,481	-5.5
Wyoming	5,225	5,183	4,264	109,432	91,409	19.7	319,369	325,183	-1.8
<b>Appalachian Total</b>	<b>3,461</b>	<b>3,431</b>	<b>3,091</b>	<b>72,786</b>	<b>63,145</b>	<b>15.3</b>	<b>192,421</b>	<b>195,074</b>	<b>-1.4</b>
<b>Interior Total</b>	<b>2,856</b>	<b>2,813</b>	<b>2,462</b>	<b>61,147</b>	<b>51,912</b>	<b>17.8</b>	<b>155,682</b>	<b>154,028</b>	<b>1.1</b>
<b>Western Total</b>	<b>7,174</b>	<b>7,088</b>	<b>5,920</b>	<b>151,075</b>	<b>127,925</b>	<b>18.1</b>	<b>432,522</b>	<b>443,858</b>	<b>-2.6</b>
<b>East of Mississippi River</b>	<b>5,403</b>	<b>5,334</b>	<b>4,855</b>	<b>113,732</b>	<b>99,982</b>	<b>13.8</b>	<b>299,411</b>	<b>307,029</b>	<b>-2.5</b>
<b>West of Mississippi River</b>	<b>8,088</b>	<b>7,997</b>	<b>6,618</b>	<b>171,276</b>	<b>143,000</b>	<b>19.8</b>	<b>481,214</b>	<b>485,931</b>	<b>-1.0</b>
Bituminous and Lignite	13,461	13,303	11,443	284,343	242,372	17.3	778,911	790,950	-1.5
Anthracite	30	28	29	665	610	9.0	1,714	2,010	-14.7
<b>U.S. Total</b>	<b>13,490</b>	<b>13,332</b>	<b>11,473</b>	<b>285,008</b>	<b>242,982</b>	<b>17.3</b>	<b>780,625</b>	<b>792,960</b>	<b>-1.6</b>
Railroad Cars Loaded	74,290	73,386	62,394	1,552,301	1,318,276	17.8	4,404,702	4,484,601	-1.8

Source: Energy Information Administration



# Weekly Electric Output

Volume 85 No. 19

**OUTPUT FOR WEEK ENDED - May 13, 2017**

May 17, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, **May 13, 2017** was **69,261** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **169** on the weekly electric output index.

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

	Week Ended May 13		52 Weeks Ended May 13	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	1,990	-2.3	123,580	0.1
Mid-Atlantic	6,945	-2.0	435,058	1.1
Central Industrial	11,264	0.0	672,700	2.0
West Central	5,900	1.1	330,029	1.3
Southeast	17,702	-2.7	1,024,218	1.7
South Central	13,380	-1.2	721,549	2.8
Rocky Mountain	4,489	-1.8	277,191	-0.1
Pacific Northwest	2,633	0.2	157,754	3.1
Pacific Southwest	4,958	-4.1	282,662	-0.6
Total United States	69,261	-1.5	4,024,741	1.6

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

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
Apr 22	68,816	Apr 23	67,123	2.5	Apr 22	4,024,024	1.5
Apr 29	69,741	Apr 30	69,488	0.4	Apr 29	4,024,278	1.5
May 06	69,270	May 07	67,743	2.3	May 06	4,025,804	1.6
May 13	69,261	May 14	70,324	-1.5	May 13	4,024,741	1.6
<b>May 13</b>	<b>1,374,600</b>	<b>May 14</b>	<b>1,376,251</b>	<b>-0.1</b>	<b>YEAR TO DATE, FIRST 19 WEEKS</b>		

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

Week Ended	2017	Week Ended	2016	Week Ended	2015
Apr 22	170	Apr 23	172	Apr 25	159
Apr 29	176	Apr 30	176	May 02	158
May 06	173	May 07	168	May 09	165
May 13	169	May 14	174	May 16	169

\* 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		
	13-May 2017 GWh Output	14-May 2016 GWh Output	% Increase Over Corresponding Week of 2016	13-May 2017 GWh Output	14-May 2016 GWh Output	% Increase Over Corresponding Week of 2016	13-May 2017 GWh Output	14-May 2016 GWh Output	% Increase Over Corresponding Week of 2016
<b>New England</b>	1,990	2,036	-2.3%	<b>43,096</b>	<b>43,487</b>	<b>-0.9%</b>	123,580	123,457	0.1%
<b>Mid-Atlantic</b>	6,945	7,084	-2.0%	<b>148,229</b>	<b>149,254</b>	<b>-0.7%</b>	435,058	430,153	1.1%
<b>Central Industrial</b>	11,264	11,263	0.0%	<b>235,878</b>	<b>240,014</b>	<b>-1.7%</b>	672,700	659,343	2.0%
<b>West Central</b>	5,900	5,835	1.1%	<b>112,846</b>	<b>113,573</b>	<b>-0.6%</b>	330,029	325,799	1.3%
<b>Southeast</b>	17,702	18,192	-2.7%	<b>346,324</b>	<b>354,067</b>	<b>-2.2%</b>	1,024,218	1,006,882	1.7%
<b>South Central</b>	13,380	13,548	-1.2%	<b>237,062</b>	<b>231,847</b>	<b>2.2%</b>	721,549	701,787	2.8%
<b>Rocky Mountain</b>	4,489	4,571	-1.8%	<b>92,844</b>	<b>90,960</b>	<b>2.1%</b>	277,191	277,349	-0.1%
<b>Pacific Northwest</b>	2,633	2,628	0.2%	<b>63,982</b>	<b>58,452</b>	<b>9.5%</b>	157,754	153,053	3.1%
<b>Pacific Southwest</b>	4,958	5,168	-4.1%	<b>94,339</b>	<b>94,597</b>	<b>-0.3%</b>	282,662	284,484	-0.6%
<b>Total United States <sup>1/</sup></b>	<u>69,261</u>	<u>70,325</u>	-1.5%	<u><b>1,374,600</b></u>	<u><b>1,376,251</b></u>	<u><b>-0.1%</b></u>	<u>4,024,741</u>	<u>3,962,307</u>	1.6%
<b>Coal Regions Only <sup>2/</sup></b>	59,680	60,493	-1.3%	<b>1,173,183</b>	<b>1,179,715</b>	<b>-0.6%</b>	3,460,745	3,401,313	1.7%

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

May 15, 2017

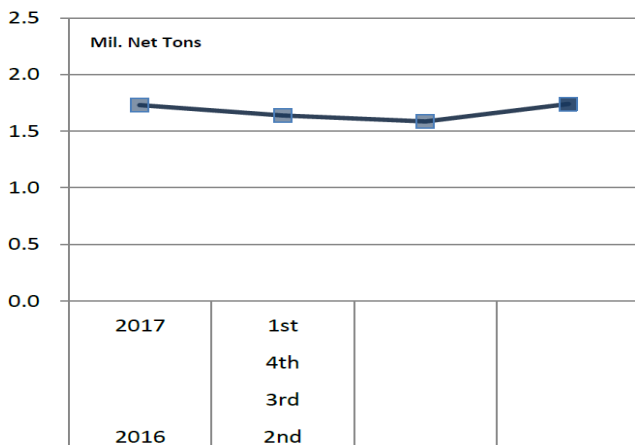
**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

<u>Period</u>	<u>Thousand Net Tons</u>	<u>Percent Change from Previous Period</u>	<u>Percent Capacity Utilization**</u>	<u>Production by District</u>		
				<u>Week Ending</u>		
				<u>May 13</u>	<u>May 6</u>	
<b><u>Week Ending</u></b>				North East	202	210
				Great Lakes	640	687
May 13, 2017	1,728	-0.5	74.1	Midwest	167	170
May 13, 2016	1,732	-0.2	74.1	Southern	639	592
May 6, 2017	1,737	-0.7	74.5	Western	80	78
				<b>Total</b>	<b>1,728</b>	<b>1,737</b>
<b><u>Year-to-Date +</u></b>						
May 13, 2017	32,924	3.2	74.3			
May 13, 2016	31,912	-	72.1			

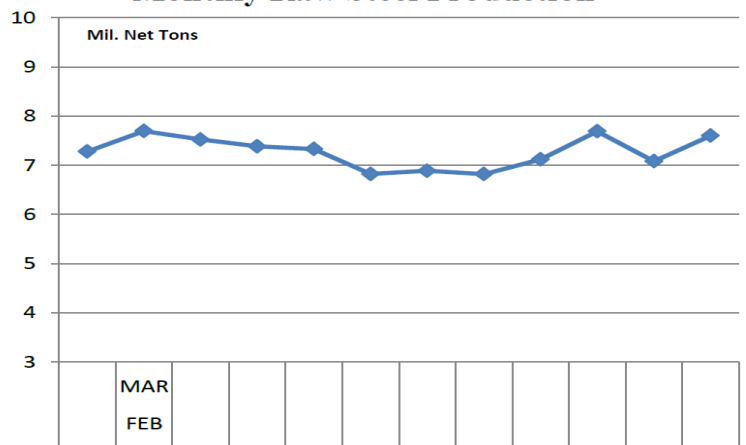
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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



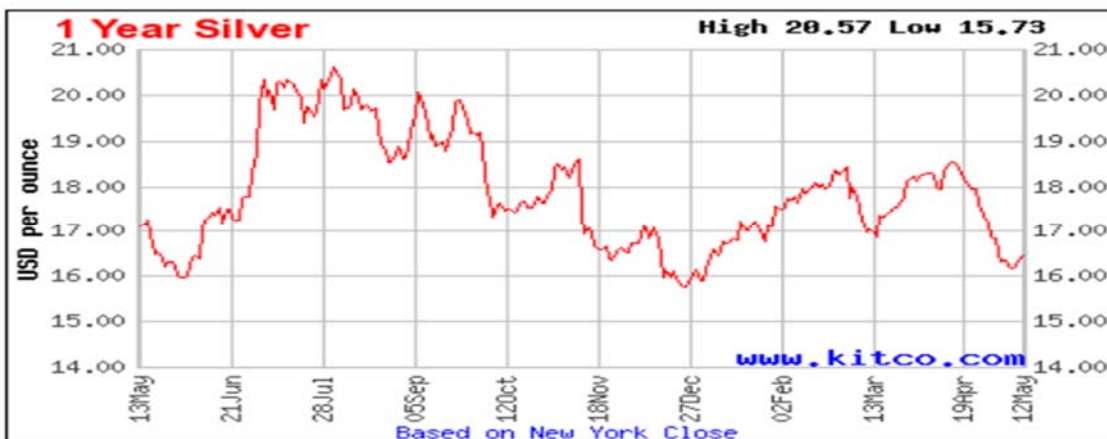
\*Steel in the first solid state after melting suitable for further processing or sale, including ingots, steel for castings and strand or pressure cast blooms, slabs or other product forms. \*\* Based on tonnage capability to produce raw steel for a sustained full order book.



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

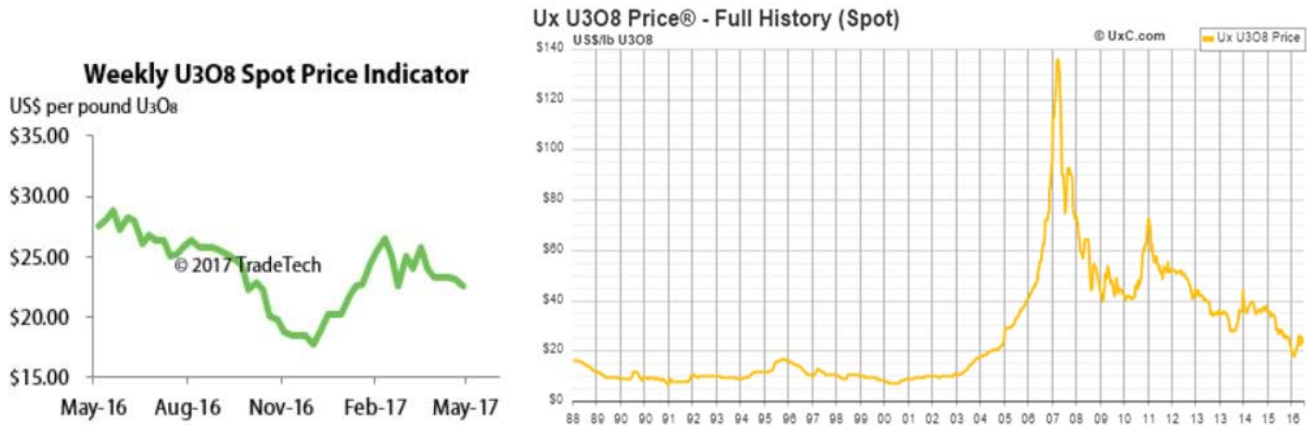


Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)

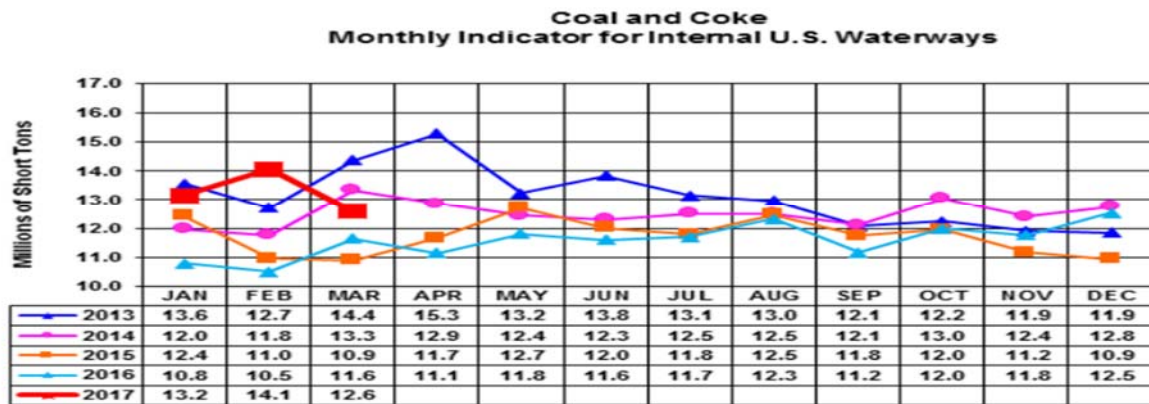


Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)

### Trade Tech's Uranium Price Indicators



Sources: Trade Tech, Uranium Info Website – [www.uranium.info](http://www.uranium.info) ; Ux Consulting Co., LLC – <http://www.uxc.com>



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
	04/14/17	04/21/17	04/28/17	05/05/17	05/12/17	change
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$52.45	\$52.45	\$52.45	\$52.45	\$52.35	-\$0.10
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$45.60	\$45.60	\$45.60	\$45.60	\$45.50	-\$0.10
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$30.95	\$30.95	\$30.95	\$30.95	\$30.95	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$11.75	\$11.75	\$11.75	\$11.75	\$11.55	-\$0.20
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$41.00	\$41.00	\$41.00	\$41.00	\$40.35	-\$0.65

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

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



Source: U.S. Energy Information Administration

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

### Temperature – heating & cooling degree days (week ending May 04)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	59	-35	-65	4	4	4
Middle Atlantic	37	-42	-66	6	5	6
E N Central	101	18	2	0	-2	0
W N Central	119	46	20	0	-5	0
South Atlantic	11	-23	-11	62	37	12
E S Central	18	-12	8	32	18	2
W S Central	19	9	5	36	0	-3
Mountain	102	16	-12	14	1	9
Pacific	17	-34	-28	15	9	14
United States	56	-6	-16	22	10	6

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: 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	February 2017		February 2016			January 2017		
		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	5,229	92	7,729	113	-32.4%	5,177	74	1.0%
	Subbituminous	159	168	545	303	-70.7%	96	30	66.7%
South	Bituminous	31,517	100	34,500	98	-8.6%	29,594	90	6.5%
	Subbituminous	6,144	88	7,689	99	-20.1%	5,760	76	6.7%
Midwest	Bituminous	15,017	100	17,391	99	-13.7%	15,035	91	-0.1%
	Subbituminous	43,181	104	46,504	95	-7.1%	41,860	96	3.2%
West	Bituminous	5,732	103	5,372	86	6.7%	5,583	103	2.7%
	Subbituminous	30,470	108	42,051	121	-27.5%	29,650	107	2.8%
U.S. Total	Bituminous	57,495	100	64,992	99	-11.5%	55,390	90	3.8%
	Subbituminous	79,955	104	96,789	105	-17.4%	77,366	99	3.3%

Source: U.S. Energy Information Administration

NOTE: Stockpile levels shown above reflect a sample of electric power sector plants, which were used to create the days of burn statistics. These levels will not equal total electric power sector stockpile levels.

Source: Energy Information Administration, *Electricity Monthly Update*

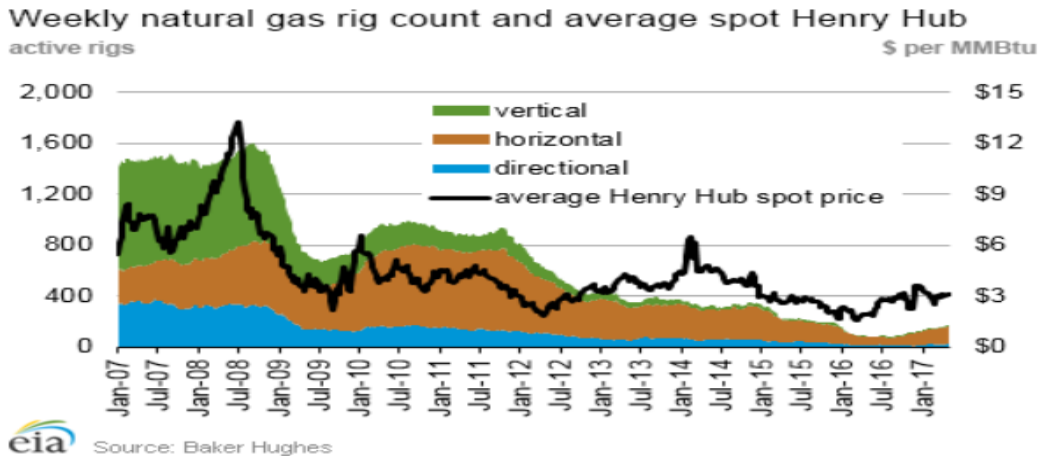
### EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2017-05-05	2017-04-28	change
East	350	325	25
Midwest	524	519	5
Mountain	155	153	2
Pacific	238	233	5
South Central	1,034	1,026	8
<b>Total</b>	<b>2,301</b>	<b>2,256</b>	<b>45</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		
	May 2017	June 2017	change	May 2017	June 2017	change
Bakken	1,130	1,138	8	1,524	1,528	4
Eagle Ford	1,448	1,448	-	4,611	4,615	4
Haynesville	33	33	-	7,332	7,398	66
Marcellus	70	70	-	13,387	13,427	40
Niobrara	1,288	1,288	-	4,420	4,621	101
Permian	640	630	(10)	1,104	1,084	(20)
Utica	234	250	16	10,559	10,648	89
Rig-weighted average	727	724	(3)	3,567	3,544	(23)

Source: Energy Information Administration, *Drilling Productivity Report*