

# National Mining Association

## Weekly Statistical Summary

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May 26, 2017 Edition  
(Data for Week Ending May 20, 2017)

Prepared by  
National Mining Association



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# NMA Weekly Statistical Summary

Vol. 55, No. 20  
Dated 05/26/17

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	05/20/17	05/14/16	% Chng	05/20/17	05/20/16	% Chng
<b>EIA Coal Production (000 Tons):</b>						
Week Ended/Year to Date	14,339	11,915	20.3%	299,348	255,203	17.3%
52 Weeks Ended	783,049	788,718	-0.7%			
AAR Coal Rail Cars Loaded:	78,990	74,290	6.3%	1,631,291	1,384,740	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>	8,016	5,212	53.8%	22,320	14,164	57.6%
<b>Imports:</b>	560	1,186	-52.8%	1,915	2,698	-29.0%
	Week Ended			Cumulative Week 1 to		
	05/20/17	05/21/16	% Chng	05/20/17	05/21/16	% Chng
<b>EI Electric Total Output (Mil. Kwh)</b>	76,445	68,783	11.1%	1,451,045	1,445,034	0.4%
<b>EI Coal Region Output (Mil. Kwh)</b>	66,481	58,920	12.8%	1,239,664	1,238,635	0.1%
<b>AISI Raw Steel Output (000 Tons)</b>	1,741	1,732	0.5%	34,665	33,644	3.0%

## 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)	
	05/19/17	05/12/17	% Chng	Wed.	05/17/17
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$52.35	\$52.35	0.0%	Henry Hub	3.16
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	45.50	45.50	0.0%	New York	3.18
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	30.95	30.95	0.0%	Chicago	3.05
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	11.55	11.55	0.0%	Cal.Comp.Avg.	3.00
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	40.35	40.35	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



## Weekly U.S. Coal Production Overview

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	5/20/2017 (week 20)	5/13/2017 (week 19)	5/14/2016 (week 20)	5/20/2017	5/20/2016	% Change	5/20/2017	5/14/2016	% Change
Alabama	150	162	165	3,444	3,584	-3.9	9,127	10,707	-14.8
Alaska	17	15	17	441	427	3.5	962	1,141	-15.7
Arizona	104	100	92	2,181	1,967	10.9	5,719	5,923	-3.4
Arkansas	1	1	1	18	19	-6.8	30	74	-59.5
Colorado	230	207	229	4,226	4,060	4.1	13,001	14,785	-12.1
Illinois	830	880	832	18,722	17,059	9.7	46,167	48,595	-5.0
Indiana	600	551	517	12,410	10,788	15.0	30,851	30,621	0.8
Kansas	2	2	.	49	27	83.4	49	147	-66.7
<b>Kentucky Total</b>	<b>766</b>	<b>703</b>	<b>735</b>	<b>16,680</b>	<b>16,418</b>	<b>1.6</b>	<b>43,694</b>	<b>51,930</b>	<b>-15.9</b>
Eastern (KY)	275	247	295	6,101	6,617	-7.8	16,630	22,690	-26.7
Western (KY)	491	457	440	10,579	9,801	7.9	27,065	29,240	-7.4
Louisiana	55	48	52	1,134	1,012	12.0	2,966	3,283	-9.7
Maryland	28	29	22	588	510	15.4	1,673	1,595	4.9
Mississippi	55	55	43	1,211	1,068	13.3	3,051	2,960	3.1
Missouri	7	6	5	112	76	46.5	274	148	85.1
Montana	555	574	461	11,966	10,608	12.8	34,106	35,958	-5.2
New Mexico	188	183	183	5,144	5,554	-7.4	13,094	18,398	-28.8
North Dakota	592	593	480	13,222	10,517	25.7	31,255	27,862	12.2
Ohio	250	220	241	5,723	5,559	2.9	12,960	15,299	-15.3
Oklahoma	13	11	12	281	252	11.7	673	707	-4.8
<b>Pennsylvania Total</b>	<b>1,009</b>	<b>923</b>	<b>834</b>	<b>19,845</b>	<b>16,086</b>	<b>23.4</b>	<b>50,380</b>	<b>46,229</b>	<b>9.0</b>
Anthracite (PA)	28	30	31	693	642	8.0	1,711	2,001	-14.5
Bituminous (PA)	981	893	804	19,152	15,444	24.0	48,669	44,228	10.0
Tennessee	11	10	11	299	306	-2.3	670	866	-22.6
Texas	892	846	655	19,577	14,431	35.7	44,945	37,786	18.9
Utah	313	276	259	6,464	5,148	25.6	15,295	13,832	10.6
Virginia	299	271	244	6,112	4,878	25.3	14,689	13,232	11.0
<b>West Virginia Total</b>	<b>1,626</b>	<b>1,598</b>	<b>1,397</b>	<b>34,321</b>	<b>28,896</b>	<b>18.8</b>	<b>86,730</b>	<b>83,500</b>	<b>3.9</b>
Northern (WV)	940	898	739	19,684	15,384	28.0	48,465	43,310	11.9
Southern (WV)	685	701	658	14,637	13,511	8.3	38,265	40,190	-4.8
Wyoming	5,746	5,225	4,429	115,178	95,951	20.0	320,686	323,142	-0.8
<b>Appalachian Total</b>	<b>3,648</b>	<b>3,461</b>	<b>3,210</b>	<b>76,434</b>	<b>66,437</b>	<b>15.0</b>	<b>192,859</b>	<b>194,118</b>	<b>-0.6</b>
<b>Interior Total</b>	<b>2,946</b>	<b>2,856</b>	<b>2,557</b>	<b>64,093</b>	<b>54,534</b>	<b>17.5</b>	<b>156,071</b>	<b>153,560</b>	<b>1.6</b>
<b>Western Total</b>	<b>7,746</b>	<b>7,174</b>	<b>6,148</b>	<b>158,821</b>	<b>134,231</b>	<b>18.3</b>	<b>434,119</b>	<b>441,040</b>	<b>-1.6</b>
<b>East of Mississippi River</b>	<b>5,624</b>	<b>5,403</b>	<b>5,042</b>	<b>119,356</b>	<b>105,154</b>	<b>13.5</b>	<b>299,992</b>	<b>305,533</b>	<b>-1.8</b>
<b>West of Mississippi River</b>	<b>8,715</b>	<b>8,088</b>	<b>6,873</b>	<b>179,992</b>	<b>150,049</b>	<b>20.0</b>	<b>483,056</b>	<b>483,184</b>	<b>s</b>
Bituminous and Lignite	14,311	13,461	11,885	298,655	254,561	17.3	781,337	786,717	-0.7
Anthracite	28	30	31	693	642	8.0	1,711	2,001	-14.5
<b>U.S. Total</b>	<b>14,339</b>	<b>13,490</b>	<b>11,915</b>	<b>299,348</b>	<b>255,203</b>	<b>17.3</b>	<b>783,049</b>	<b>788,718</b>	<b>-0.7</b>
Railroad Cars Loaded	78,990	74,290	64,800	1,631,291	1,384,740	17.8	4,418,892	4,455,737	-0.8

Source: Energy Information Administration



# Weekly Electric Output

Volume 85 No. 20

**OUTPUT FOR WEEK ENDED - May 20, 2017**

May 24, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, **May 20, 2017** was **76,445** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **187** on the weekly electric output index.

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

	Week Ended May 20		52 Weeks Ended May 20	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,241	10.9	123,800	0.4
Mid-Atlantic	8,003	13.5	436,013	1.5
Central Industrial	12,269	9.2	673,734	2.3
West Central	6,066	8.1	330,486	1.5
Southeast	21,225	17.2	1,027,327	2.2
South Central	14,515	17.4	723,703	3.2
Rocky Mountain	4,403	-3.2	277,044	-0.2
Pacific Northwest	2,686	4.4	157,866	3.1
Pacific Southwest	5,037	-4.4	282,431	-0.8
Total United States	76,445	11.1	4,032,404	1.8

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

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
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
May 20	76,445	May 21	68,783	11.1	May 20	4,032,404	1.8
May 20	1,451,045	May 21	1,445,034	0.4	YEAR TO DATE, FIRST 20 WEEKS		

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

Week Ended	2017	Week Ended	2016	Week Ended	2015
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
May 20	187	May 21	161	May 23	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		
	20-May	21-May	% Increase Over Corresponding Week of 2016	20-May	21-May	% Increase Over Corresponding Week of 2016	20-May	21-May	% Increase Over Corresponding Week of 2016
	2017	2016		2017	2016		2017	2016	
	GWh Output	GWh Output		GWh Output	GWh Output		GWh Output	GWh Output	
<b>New England</b>	2,241	2,021	10.9%	<b>45,337</b>	<b>45,508</b>	<b>-0.4%</b>	123,800	123,353	0.4%
<b>Mid-Atlantic</b>	8,003	7,048	13.5%	<b>156,232</b>	<b>156,302</b>	<b>0.0%</b>	436,013	429,432	1.5%
<b>Central Industrial</b>	12,269	11,235	9.2%	<b>248,147</b>	<b>251,249</b>	<b>-1.2%</b>	673,734	658,840	2.3%
<b>West Central</b>	6,066	5,609	8.1%	<b>118,912</b>	<b>119,182</b>	<b>-0.2%</b>	330,486	325,573	1.5%
<b>Southeast</b>	21,225	18,117	17.2%	<b>367,549</b>	<b>372,184</b>	<b>-1.2%</b>	1,027,327	1,005,512	2.2%
<b>South Central</b>	14,515	12,361	17.4%	<b>251,577</b>	<b>244,208</b>	<b>3.0%</b>	723,703	701,092	3.2%
<b>Rocky Mountain</b>	4,403	4,550	-3.2%	<b>97,247</b>	<b>95,510</b>	<b>1.8%</b>	277,044	277,680	-0.2%
<b>Pacific Northwest</b>	2,686	2,574	4.4%	<b>66,668</b>	<b>61,026</b>	<b>9.2%</b>	157,866	153,085	3.1%
<b>Pacific Southwest</b>	5,037	5,268	-4.4%	<b>99,376</b>	<b>99,865</b>	<b>-0.5%</b>	282,431	284,795	-0.8%
<b>Total United States <sup>1/</sup></b>	<u>76,445</u>	<u>68,783</u>	11.1%	<u><b>1,451,045</b></u>	<u><b>1,445,034</b></u>	<b>0.4%</b>	<u>4,032,404</u>	<u>3,959,362</u>	1.8%
<b>Coal Regions Only <sup>2/</sup></b>	66,481	58,920	12.8%	<b>1,239,664</b>	<b>1,238,635</b>	<b>0.1%</b>	3,468,307	3,398,129	2.1%

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*.

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May 22, 2017

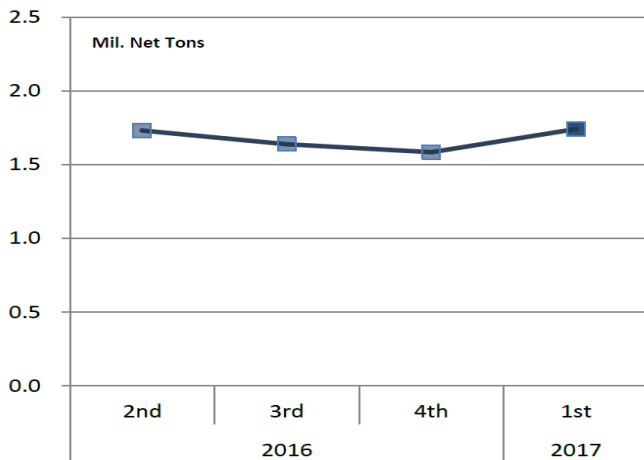
**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

<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>May 20</u>	<u>May 13</u>	
<b><u>Week Ending</u></b>				North East	213	202
				Great Lakes	646	640
May 20, 2017	1,741	0.8	74.7	Midwest	163	167
May 20, 2016	1,732	0.5	74.1	Southern	651	639
May 13, 2017	1,728	-0.5	74.1	Western	68	80
				<b>Total</b>	<b>1,741</b>	<b>1,728</b>
<b><u>Year-to-Date +</u></b>						
May 20, 2017	34,665	3.0	74.3			
May 20, 2016	33,644	-	72.1			

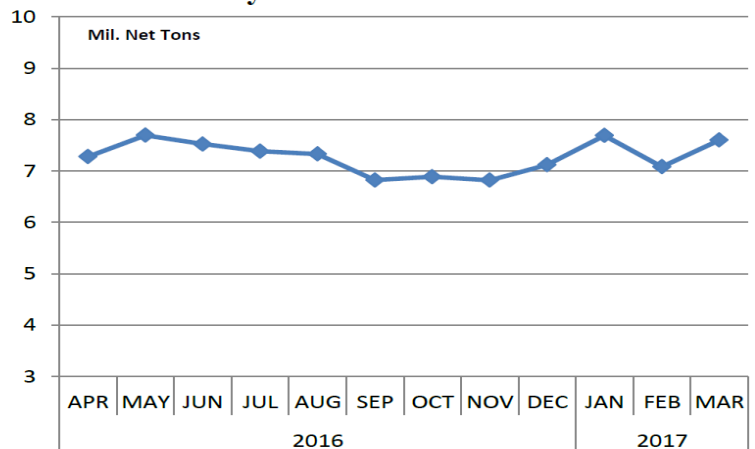
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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



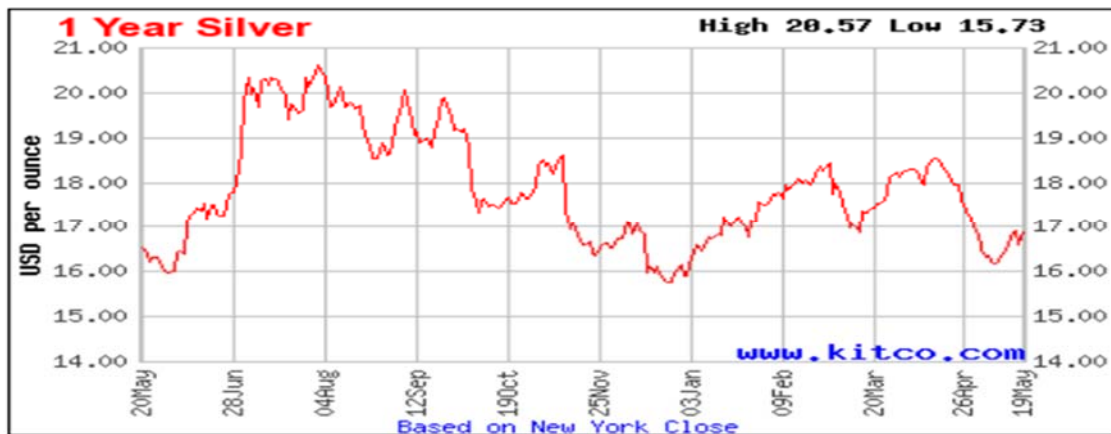
\*Steel in the first solid state after melting suitable for further processing or sale, including ingots, steel for castings and strand or pressure cast blooms, slabs or other product forms. \*\* Based on tonnage capability to produce raw steel for a sustained full order book.



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

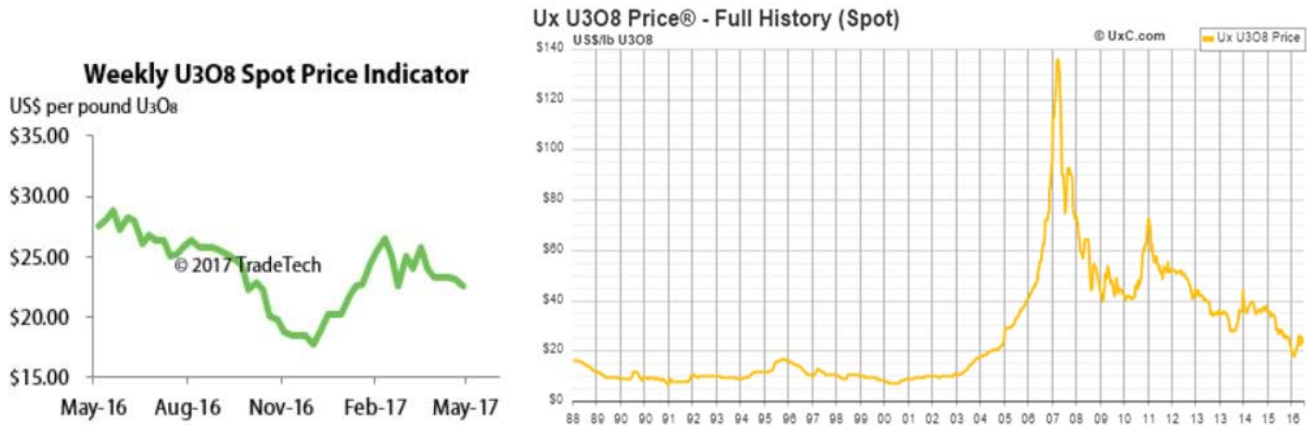


Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)

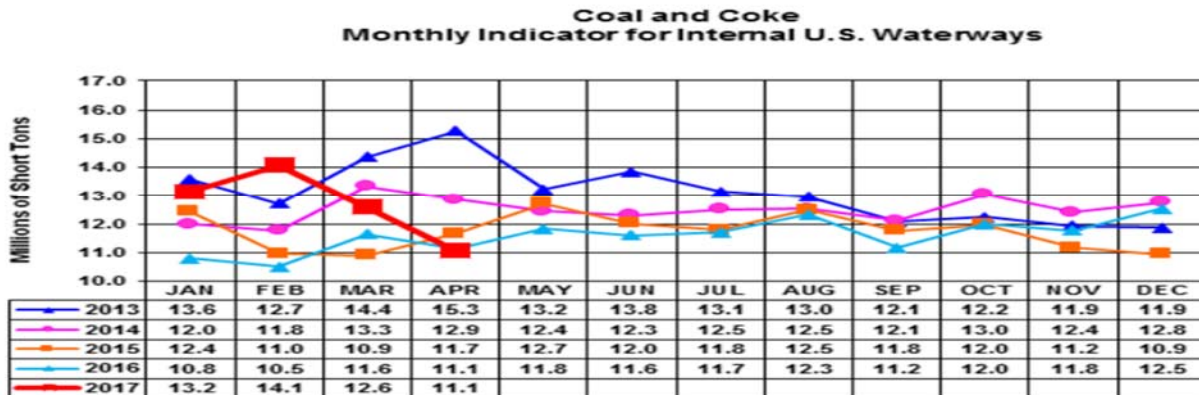


Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)

### 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
	04/21/17	04/28/17	05/05/17	05/12/17	05/19/17	change
Central Appalachia <i>12,500 Btu, 1.2 SO<sub>2</sub></i>	\$52.45	\$52.45	\$52.45	\$52.35	\$52.35	\$0.00
Northern Appalachia <i>13,000 Btu, &lt; 3.0 SO<sub>2</sub></i>	\$45.60	\$45.60	\$45.60	\$45.50	\$45.50	\$0.00
Illinois Basin <i>11,800 Btu, 5.0 SO<sub>2</sub></i>	\$30.95	\$30.95	\$30.95	\$30.95	\$30.95	\$0.00
Powder River Basin <i>8,800 Btu, 0.8 SO<sub>2</sub></i>	\$11.75	\$11.75	\$11.75	\$11.55	\$11.55	\$0.00
Uinta Basin <i>11,700 Btu, 0.8 SO<sub>2</sub></i>	\$41.00	\$41.00	\$41.00	\$40.35	\$40.35	\$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 - February 2017



 Source: U.S. Energy Information Administration

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

### Temperature – heating & cooling degree days (week ending May 11)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	99	20	0	0	0	0
Middle Atlantic	92	29	8	0	-1	0
E N Central	95	26	24	0	-6	0
W N Central	42	-18	-1	10	2	4
South Atlantic	44	18	5	28	-2	3
E S Central	37	13	5	20	-1	1
W S Central	9	2	-1	42	-3	-1
Mountain	46	-28	-9	15	0	2
Pacific	45	0	3	0	-6	-1
United States	61	10	7	13	-2	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 - 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*

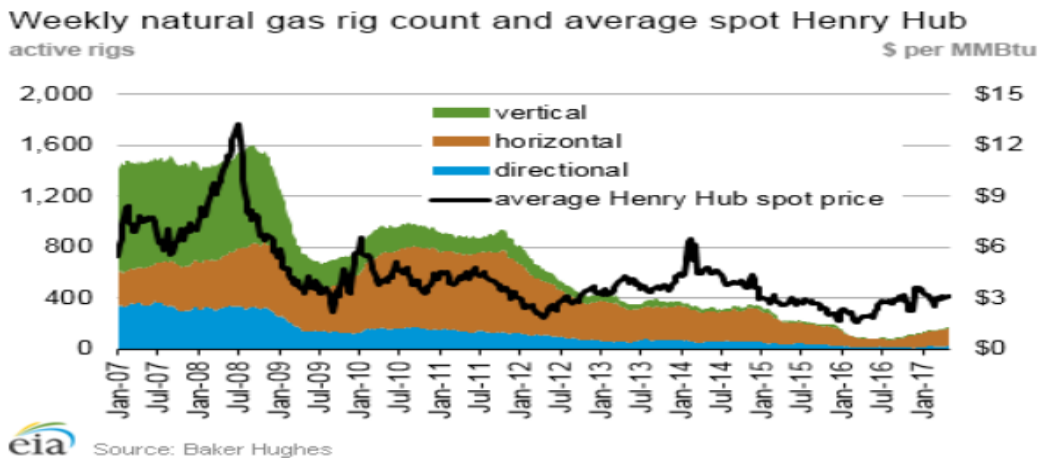
### EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2017-05-12	2017-05-05	change
East	367	350	17
Midwest	540	524	16
Mountain	161	155	6
Pacific	244	238	6
South Central	1,057	1,034	23
<b>Total</b>	<b>2,369</b>	<b>2,301</b>	<b>68</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*