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National Mining Association

# Weekly Statistical Summary

April 22, 2016 Edition  
(Data for Week Ending April 16, 2016)

Prepared by  
National Mining Association



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# NMA Weekly Statistical Summary

Vol. 54, No. 16  
Dated 04/22/16

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	04/16/16	04/18/15	% Chng	04/16/16	04/16/15	% Chng
<b>EIA Coal Production (000 Tons):</b>						
Week Ended/Year to Date	11,087	17,046	-35.0%	189,582	280,737	-32.5%
52 Weeks Ended	800,008	987,273	-19.0%			
AAR Coal Rail Cars Loaded:	63,090	99,482	-36.6%	1,076,528	1,609,699	-33.1%
Coal Production Month Ended - Mar	<b>Mar 16/15</b>		<b>% Chng</b>	<b>Jan - Mar 16/15</b>		<b>% Chng</b>
	52,441	81,430	-35.6%	165,133	240,189	-31.2%

## DOC Bituminous Coal Trade (000 Tons)

Exports:	Feb 16/15		% Chng	Jan - Feb 16/15		% Chng
Metallurgical	3,495	3,240	7.9%	6,557	8,218	-20.2%
Steam (bit.) *	1,010	3,240	-68.8%	2,311	6,072	-61.9%
Lignite	6	5	20.0%	11	11	0.0%
Anthracite	5	14	-64.3%	73	73	0.0%
<b>Total</b>	4,516	6,499	-30.5%	8,952	14,374	-37.7%
<b>Imports:</b>	819	866	-5.4%	1,512	2,158	-29.9%

	Week Ended			Cumulative Jan 1 to		
	04/16/16	04/18/15	% Chng	04/16/16	04/18/15	% Chng
<b>EI Electric Total Output (Mil. Kwh)</b>	68,014	68,385	-0.5%	1,175,927	1,229,553	-4.4%
<b>EI Coal Region Output (Mil. Kwh)</b>	58,204	58,413	-0.4%	1,007,345	1,058,109	-4.8%
<b>AISI Raw Steel Output (000 Tons)</b>	1,693	1,649	2.7%	26,529	27,194	-2.4%

## EIA (SNL ENERGY) AVERAGE COAL SPOT PRICES Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	04/15/16	04/08/16	% Chng	Wed.	04/13/16
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$42.30	\$42.30	0.0%	Henry Hub	1.98
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	46.60	46.60	0.0%	New York	1.65
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	31.70	31.70	0.0%	Chicago	1.92
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	9.35	9.35	0.0%	Cal.Comp.Avg.	1.85
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	37.80	37.80	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		
	4/16/2016 (week 16)	4/9/2016 (week 15)	4/18/2015 (week 16)	4/16/2016	4/16/2015	% Change	4/16/2016	4/18/2015	% Change
Alabama	163	148	284	2,965	4,705	-37.0	11,215	15,949	-29.7
Alaska	14	14	28	218	332	-34.4	1,072	1,347	-20.4
Arizona	85	81	154	1,499	2,122	-29.4	6,139	7,848	-21.8
Arkansas	1	1	2	25	27	-5.0	90	99	-9.1
Colorado	220	207	410	3,979	6,239	-36.2	16,348	23,678	-31.0
Illinois	719	666	1,080	13,351	19,375	-31.1	49,819	60,601	-17.8
Indiana	428	400	692	7,488	11,110	-32.6	30,613	38,618	-20.7
Kansas	3	3	4	53	63	-15.8	188	122	54.1
<b>Kentucky Total</b>	<b>715</b>	<b>676</b>	<b>1,273</b>	<b>12,531</b>	<b>19,859</b>	<b>-36.9</b>	<b>53,659</b>	<b>73,884</b>	<b>-27.4</b>
Eastern (KY)	309	295	596	5,529	9,097	-39.2	24,185	35,580	-32.0
Western (KY)	405	381	678	7,002	10,762	-34.9	29,474	38,304	-23.1
Louisiana	54	44	55	821	891	-7.9	3,353	3,326	0.8
Maryland	26	26	39	452	653	-30.7	1,938	2,053	-5.6
Mississippi	41	38	66	610	938	-35.0	2,797	3,503	-20.2
Missouri	2	1	3	29	48	-39.9	118	325	-63.7
Montana	525	477	790	9,329	12,805	-27.1	38,166	46,293	-17.6
New Mexico	262	236	399	3,534	4,826	-26.8	17,937	19,878	-9.8
North Dakota	393	362	552	6,276	8,724	-28.1	26,199	28,559	-8.3
Ohio	187	176	322	3,403	5,896	-42.3	14,612	21,332	-31.5
Oklahoma	10	9	17	160	243	-34.2	692	855	-19.1
<b>Pennsylvania Total</b>	<b>625</b>	<b>567</b>	<b>967</b>	<b>10,470</b>	<b>16,031</b>	<b>-34.7</b>	<b>45,439</b>	<b>59,231</b>	<b>-23.3</b>
Anthracite (PA)	32	29	42	473	572	-17.3	2,034	1,971	3.2
Bituminous (PA)	593	538	926	9,997	15,459	-35.3	43,405	57,260	-24.2
Tennessee	11	11	19	196	246	-20.1	795	858	-7.3
Texas	413	348	540	6,013	9,250	-35.0	31,637	40,554	-22.0
Utah	183	165	290	2,901	4,293	-32.4	13,351	16,907	-21.0
Virginia	172	165	287	2,899	4,368	-33.6	12,307	14,962	-17.7
<b>West Virginia Total</b>	<b>1,152</b>	<b>1,071</b>	<b>1,899</b>	<b>20,198</b>	<b>31,756</b>	<b>-36.4</b>	<b>83,434</b>	<b>110,002</b>	<b>-24.2</b>
Northern (WV)	593	561	890	10,375	15,347	-32.4	42,427	49,361	-14.0
Southern (WV)	559	509	1,009	9,823	16,408	-40.1	41,007	60,641	-32.4
Wyoming	4,682	4,352	6,872	80,182	115,940	-30.8	338,090	396,490	-14.7
<b>Appalachian Total</b>	<b>2,646</b>	<b>2,458</b>	<b>4,412</b>	<b>46,113</b>	<b>72,750</b>	<b>-36.6</b>	<b>193,925</b>	<b>259,968</b>	<b>-25.4</b>
<b>Interior Total</b>	<b>2,077</b>	<b>1,892</b>	<b>3,138</b>	<b>35,552</b>	<b>52,706</b>	<b>-32.5</b>	<b>148,781</b>	<b>186,306</b>	<b>-20.1</b>
<b>Western Total</b>	<b>6,364</b>	<b>5,894</b>	<b>9,496</b>	<b>107,917</b>	<b>155,280</b>	<b>-30.5</b>	<b>457,302</b>	<b>541,000</b>	<b>-15.5</b>
<b>East of Mississippi River</b>	<b>4,241</b>	<b>3,943</b>	<b>6,928</b>	<b>74,564</b>	<b>114,935</b>	<b>-35.1</b>	<b>306,629</b>	<b>400,993</b>	<b>-23.5</b>
<b>West of Mississippi River</b>	<b>6,847</b>	<b>6,301</b>	<b>10,118</b>	<b>115,018</b>	<b>165,802</b>	<b>-30.6</b>	<b>493,380</b>	<b>586,280</b>	<b>-15.8</b>
<b>Bituminous and Lignite</b>	<b>11,055</b>	<b>10,215</b>	<b>17,004</b>	<b>189,110</b>	<b>280,166</b>	<b>-32.5</b>	<b>797,974</b>	<b>985,302</b>	<b>-19.0</b>
<b>Anthracite</b>	<b>32</b>	<b>29</b>	<b>42</b>	<b>473</b>	<b>572</b>	<b>-17.3</b>	<b>2,034</b>	<b>1,971</b>	<b>3.2</b>
<b>U.S. Total</b>	<b>11,087</b>	<b>10,244</b>	<b>17,046</b>	<b>189,582</b>	<b>280,737</b>	<b>-32.5</b>	<b>800,008</b>	<b>987,273</b>	<b>-19.0</b>
Railroad Cars Loaded	63,090	58,166	99,482	1,076,528	1,609,699	-33.1	4,592,818	5,754,718	-20.2

Source: Energy Information Administration

Prepared by EEI's Business Information Group



**WEEKLY ELECTRIC OUTPUT**

Volume 84 No. 16

**OUTPUT FOR WEEK ENDED - Apr 16, 2016**

Apr 20, 2016

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Apr 16, 2016 was 68,014 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 173 on the weekly electric output index.

**WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION**

(48 CONTIGUOUS STATES)

	Week Ended April 16		52 Weeks Ended April 16	
	GWh Output	% Increase Over Corresponding Week of 2015	GWh Output	% Increase Over Corresponding Period of 2015
New England	2,103	1.2	123,691	-2.8
Mid-Atlantic	7,194	1.2	431,938	-2.3
Central Industrial	12,022	3.1	661,579	-3.1
West Central	5,735	-0.1	326,144	-0.8
Southeast	16,952	-3.5	1,007,436	-0.9
South Central	11,955	0.9	699,944	-0.1
Rocky Mountain	4,346	-3.4	277,523	1.2
Pacific Northwest	2,794	-1.6	153,063	0.6
Pacific Southwest	4,913	-2.8	284,444	-0.4
Total United States	68,014	-0.5	3,965,761	-1.1

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

Week Ended	2016	Week Ended	2015	% Inc. (16/15)	52 Weeks Ended	2016	% Inc. (16/15)
Mar 26	67,689	Mar 28	70,933	-4.6	Mar 26	3,967,762	-1.1
Apr 02	67,204	Apr 04	69,177	-2.9	Apr 02	3,965,789	-1.1
Apr 09	68,786	Apr 11	68,444	0.5	Apr 09	3,966,132	-1.1
Apr 16	68,014	Apr 18	68,385	-0.5	Apr 16	3,965,761	-1.1
<b>Apr 16</b>	<b>1,175,927</b>	<b>Apr 18</b>	<b>1,229,553</b>	<b>-4.4</b>	<b>YEAR TO DATE, FIRST 16 WEEKS</b>		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2016	Week Ended	2015	Week Ended	2014
Mar 26	168	Mar 28	165	Mar 29	181
Apr 02	169	Apr 04	160	Apr 05	174
Apr 09	175	Apr 11	159	Apr 12	173
Apr 16	173	Apr 18	158	Apr 19	174

\* Excludes Alaska and Hawaii.

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

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

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	16-Apr 2016 GWh Output	18-Apr 2015 GWh Output	% Increase Over Corresponding Week of 2015	16-Apr 2016 GWh Output	18-Apr 2015 GWh Output	% Increase Over Corresponding Week of 2015	16-Apr 2016 GWh Output	18-Apr 2015 GWh Output	% Increase Over Corresponding Week of 2015
<b>New England</b>	2,103	2,077	1.3%	<b>37,596</b>	<b>40,798</b>	<b>-7.8%</b>	123,691	127,294	-2.8%
<b>Mid-Atlantic</b>	7,194	7,111	1.2%	<b>128,721</b>	<b>141,139</b>	<b>-8.8%</b>	431,938	442,185	-2.3%
<b>Central Industrial</b>	12,022	11,656	3.1%	<b>207,042</b>	<b>219,782</b>	<b>-5.8%</b>	661,579	682,761	-3.1%
<b>West Central</b>	5,735	5,741	-0.1%	<b>97,053</b>	<b>100,744</b>	<b>-3.7%</b>	326,144	328,919	-0.8%
<b>Southeast</b>	16,952	17,558	-3.5%	<b>301,776</b>	<b>315,114</b>	<b>-4.2%</b>	1,007,436	1,016,698	-0.9%
<b>South Central</b>	11,955	11,845	0.9%	<b>193,670</b>	<b>202,953</b>	<b>-4.6%</b>	699,944	700,831	-0.1%
<b>Rocky Mountain</b>	4,346	4,502	-3.5%	<b>79,083</b>	<b>78,377</b>	<b>0.9%</b>	277,523	274,323	1.2%
<b>Pacific Northwest</b>	2,794	2,839	-1.6%	<b>51,696</b>	<b>50,776</b>	<b>1.8%</b>	153,063	152,092	0.6%
<b>Pacific Southwest</b>	4,913	5,056	-2.8%	<b>79,288</b>	<b>79,871</b>	<b>-0.7%</b>	284,444	285,561	-0.4%
<b>Total United States <sup>1/</sup></b>	<u>68,014</u>	<u>68,385</u>	-0.5%	<u><b>1,175,925</b></u>	<u><b>1,229,554</b></u>	<u><b>-4.4%</b></u>	<u>3,965,762</u>	<u>4,010,664</u>	-1.1%
<b>Coal Regions Only <sup>2/</sup></b>	58,204	58,413	-0.4%	<b>1,007,345</b>	<b>1,058,109</b>	<b>-4.8%</b>	3,404,564	3,445,717	-1.2%

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  
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April 18, 2016

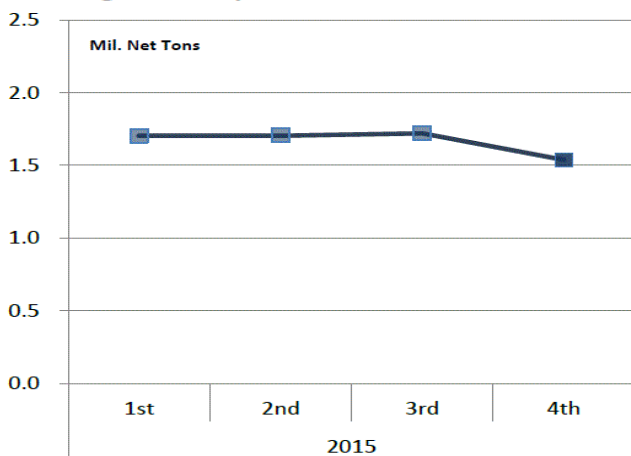
**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

<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>Week Ending</u>	
				<u>Apr 16</u>	<u>Apr 9</u>	
<b><u>Week Ending</u></b>				North East	206	204
				Great Lakes	639	624
April 16, 2016	1,693	2.2	72.4	Midwest	188	191
April 16, 2015	1,649	2.7	69.8	Southern	571	552
April 9, 2016	1,656	0.4	70.8	Western	89	85
				<b>Total</b>	<b>1,693</b>	<b>1,656</b>
<b><u>Year-to-Date +</u></b>						
April 16, 2016	26,529	-2.4	70.5			
April 16, 2015	27,194	-	71.5			

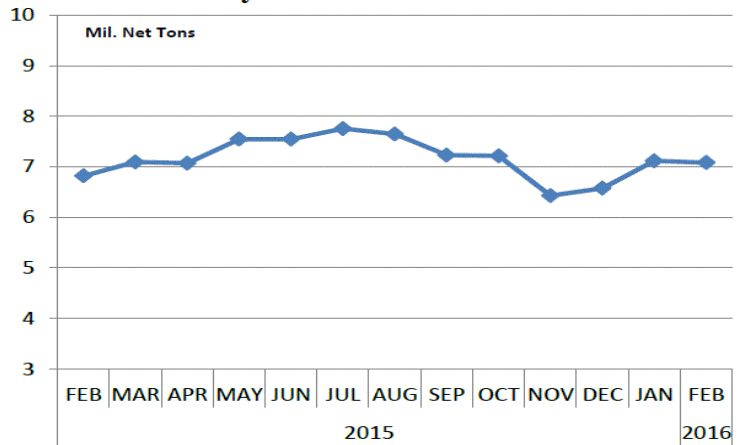
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 first quarter 2016 is approximately 30.5 million net tons vs. 30.4 million net tons for the same period last year, and 31.4 million tons for the fourth quarter of 2015.

**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)

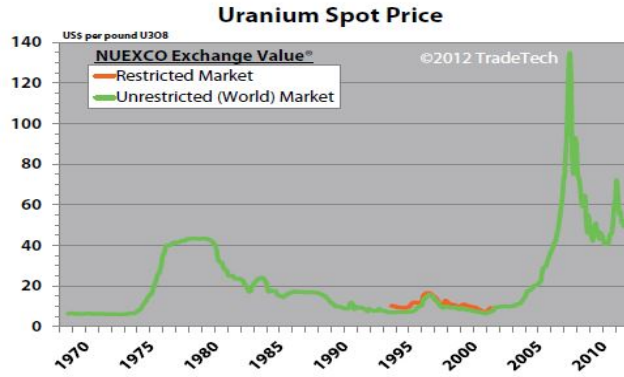
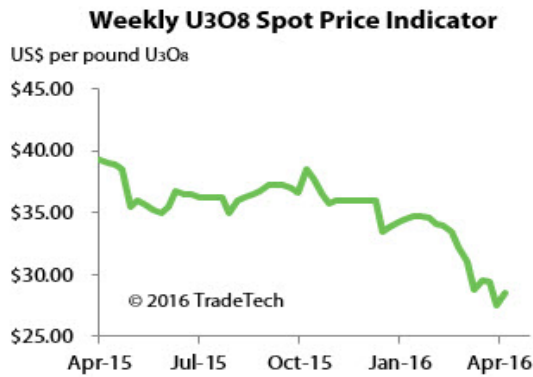


Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)



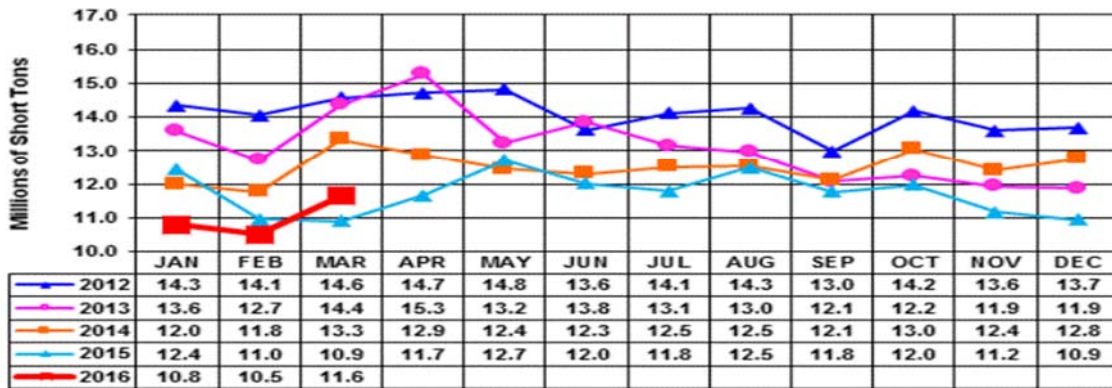
Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)

### Trade Tech's Uranium Price Indicators



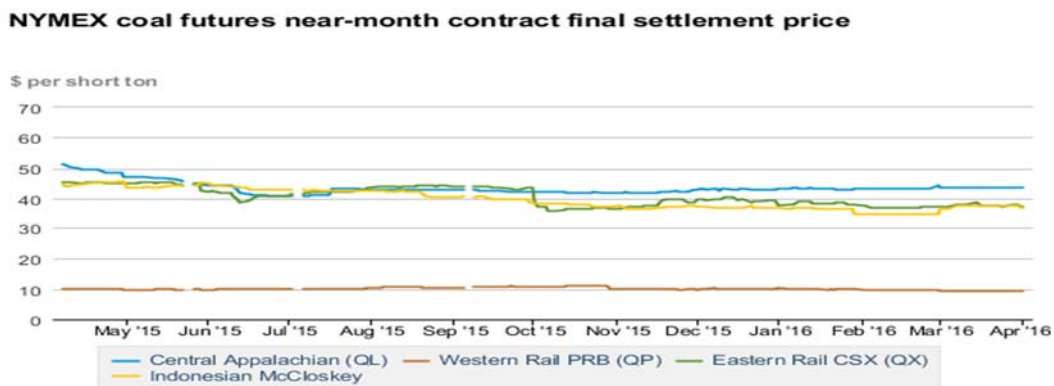
Source: Trade Tech, Uranium Info Website – [www.uranium.info](http://www.uranium.info)

### Coal and Coke Monthly Indicator for Internal U.S. Waterways



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.

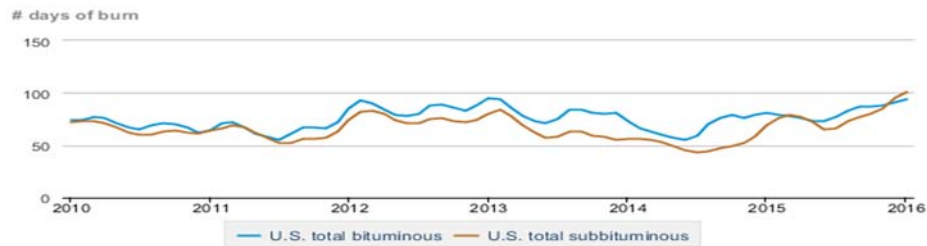
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

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

	Week ending					Week ago
	03/18/16	03/25/16	04/01/16	04/08/16	04/15/16	change
Central Appalachia <i>12,500 Btu, 1.2 SO<sub>2</sub></i>	\$42.25	\$42.25	\$42.30	\$42.30	\$42.30	\$0.00
Northern Appalachia <i>13,000 Btu, &lt; 3.0 SO<sub>2</sub></i>	\$48.60	\$48.60	\$46.60	\$46.60	\$46.60	\$0.00
Illinois Basin <i>11,800 Btu, 5.0 SO<sub>2</sub></i>	\$32.20	\$32.20	\$31.70	\$31.70	\$31.70	\$0.00
Powder River Basin <i>8,800 Btu, 0.8 SO<sub>2</sub></i>	\$9.45	\$9.45	\$9.35	\$9.35	\$9.35	\$0.00
Uinta Basin <i>11,700 Btu, 0.8 SO<sub>2</sub></i>	\$38.05	\$38.05	\$37.80	\$37.80	\$37.80	\$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 2016**



Source: U.S. Energy Information Administration

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

**Temperature -- heating & cooling degree days (week ending Apr 07)**

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	183	23	19	0	0	0
Middle Atlantic	156	13	32	0	0	0
E N Central	178	30	58	0	0	0
W N Central	144	2	23	0	-1	-1
South Atlantic	68	-8	20	19	6	-7
E S Central	67	-3	25	0	-5	-13
W S Central	36	-1	20	13	-2	-29
Mountain	94	-37	-18	8	3	3
Pacific	29	-47	-49	2	0	2
United States	110	-2	16	6	2	-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	2015 Year to Date - 4th Quarter	2014 Year to Date - 4th Quarter	Percent Change
Aluminum, secondary (000 Mt.)	792.0	843.0	-6%
Cement (Mil. Mt.)	81.9	81.0	1%
Copper (000 Mt.)	1,380.0	1,350.0	2%
Gold (Mt.)	214.0	210.0	2%
Gypsum (Mil. Mt.)	15.0	14.7	2%
Iron Ore (Mil. Mt.)	43.1	54.3	-21%
Lead (000 Mt.)	358.0	367.0	-2%
Molybdenum (000 Mt.)	50.3	67.9	-26%
Phosphate rock (Mil. Mt.)	27.8	26.7	4%
Sand & gravel, construction (Mil. Mt.)	870.0	842.0	3%
Silver (Mt.)	1,070.0	1,180.0	-9%
Soda ash (Mil. Mt.)	11.6	11.7	-1%
Stone, crushed (Mil. Mt.)	1,320.0	1,250.0	6%
Zinc (000 Mt.)	773.0	803.0	-4%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2015 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	January 2016		January 2015		% Change of Stocks	December 2015		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	7,963	100	7,049	91	13.0%	8,431	92	-5.5%
	Subbituminous	652	220	785	205	-17.0%	675	174	-3.4%
South	Bituminous	35,808	97	33,101	85	8.2%	38,762	95	-7.6%
	Subbituminous	7,792	98	6,184	82	26.0%	8,145	97	-4.3%
Midwest	Bituminous	17,447	91	14,415	74	21.0%	18,625	88	-6.3%
	Subbituminous	46,652	87	33,409	58	39.6%	48,526	82	-3.9%
West	Bituminous	4,852	78	4,515	69	7.5%	5,331	77	-9.0%
	Subbituminous	40,971	121	28,826	82	42.1%	40,914	116	0.1%
U.S. Total	Bituminous	66,071	94	59,079	81	11.8%	71,149	91	-7.1%
	Subbituminous	96,066	101	69,204	69	38.8%	98,260	95	-2.2%

Source: Energy Information Administration, *Electricity Monthly Update*

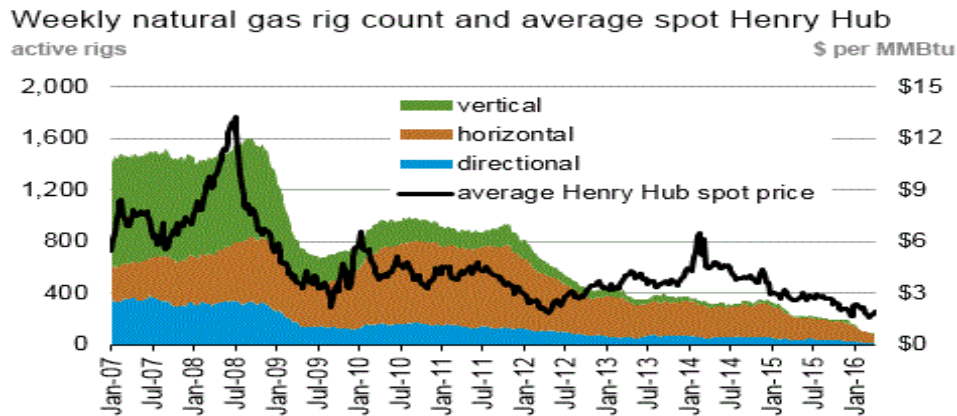
### EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (bcf)		
	2016-04-08	2016-04-01	change
East	419	434	-15
Midwest	538	548	-10
Mountain	150	149	1
Pacific	269	265	4
South Central	1,101	1,084	17
<b>Total</b>	<b>2,477</b>	<b>2,480</b>	<b>-3</b>

Source: U.S. Energy Information Administration

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

### EIA Natural Gas Rig Count and Price Trend



Source: Baker Hughes

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		
	April 2016	May 2016	change	April 2016	May 2016	change
Bakken	757	767	10	957	966	9
Eagle Ford	840	852	12	2,829	2,838	9
Haynesville	27	27	-	5,406	5,476	70
Marcellus	65	65	-	10,851	10,987	136
Niobrara	863	885	22	2,544	2,609	65
Permian	458	468	10	838	846	8
Utica	319	331	12	7,036	7,115	79
Rig-weighted average	541	532	(9)	2,690	2,836	146

Source: Energy Information Administration, *Drilling Productivity Report*