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National Mining Association

# Weekly Statistical Summary

April 1, 2016 Edition  
(Data for Week Ending March 26, 2016)

Prepared by  
National Mining Association



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# NMA Weekly Statistical Summary

Vol. 54, No. 13  
Dated 04/01/16

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	03/26/16	03/28/15	% Chng	03/26/16	03/26/15	% Chng
<b>EIA Coal Production (000 Tons):</b>						
Week Ended/Year to Date	11,604	18,643	-37.8%	157,273	227,447	-30.9%
52 Weeks Ended	819,976	992,898	-17.4%			
AAR Coal Rail Cars Loaded:	66,281	106,484	-37.8%	893,016	1,300,260	-31.3%
Coal Production	<b>Feb 16/15</b>		<b>% Chng</b>	<b>Jan - Feb 16/15</b>		<b>% Chng</b>
Month Ended - Feb	54,410	72,210	-24.7%	112,692	158,758	-29.0%

## DOC Bituminous Coal Trade (000 Tons)

Exports:	Jan 16/15		% Chng	Jan - Jan 16/15		% Chng
Metallurgical	3,062	4,978	-38.5%	3,062	4,978	-38.5%
Steam (bit) *	1,302	2,833	-54.0%	1,302	2,833	-54.0%
Lignite	5	6	--	5	6	-16.7%
Anthracite	68	59	--	68	59	15.3%
<b>Total</b>	<b>4,437</b>	<b>7,876</b>	<b>-43.7%</b>	<b>4,437</b>	<b>7,876</b>	<b>-43.7%</b>
Imports:	693	1,293	-46.4%	693	1,293	-46.4%

	Week Ended			Cumulative Jan 1 to		
	03/26/16	03/28/15	% Chng	03/26/16	03/28/15	% Chng
EI Electric Total Output (Mil. Kwh)	67,689	70,933	-4.6%	971,922	1,023,547	-5.0%
EI Coal Region Output (Mil. Kwh)	57,559	60,486	-4.8%	832,951	882,315	-5.6%
AISI Raw Steel Output (000 Tons)	1,675	1,601	4.6%	21,530	22,280	-3.4%

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

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	03/25/16	03/18/16	% Chng	Wed.	03/23/16
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$42.25	\$42.25	0.0%	Henry Hub	1.80
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	48.60	48.60	0.0%	New York	1.26
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	32.20	32.20	0.0%	Chicago	1.90
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	9.45	9.45	0.0%	Cal.Comp.Avg.	1.78
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	38.05	38.05	0.0%		

Coal exports and Imports are "as reported" (not revised); \*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		
	3/26/2016 (week 13)	3/19/2016 (week 12)	3/28/2015 (week 13)	3/26/2016	3/26/2015	% Change	3/26/2016	3/28/2015	% Change
Alabama	184	179	313	2,493	3,816	-34.7	12,589	15,941	-21.0
Alaska	14	12	21	176	251	-29.9	1,011	1,360	-25.7
Arizona	95	89	136	1,248	1,661	-24.9	6,683	7,824	-14.6
Arkansas	2	2	2	22	20	6.0	102	98	4.1
Colorado	250	239	409	3,333	4,984	-33.1	18,080	23,946	-24.5
Illinois	839	806	1,304	11,246	15,915	-29.3	53,737	60,455	-11.1
Indiana	461	449	734	6,231	8,961	-30.5	32,250	38,781	-16.8
Kansas	3	3	4	44	50	-13.0	182	111	64.0
<b>Kentucky Total</b>	<b>774</b>	<b>748</b>	<b>1,306</b>	<b>10,414</b>	<b>15,937</b>	<b>-34.7</b>	<b>56,412</b>	<b>74,694</b>	<b>-24.5</b>
Eastern (KY)	344	331	596	4,607	7,273	-36.7	25,622	36,172	-29.2
Western (KY)	431	418	710	5,807	8,664	-33.0	30,790	38,522	-20.1
Louisiana	50	50	59	679	719	-5.6	3,653	3,223	13.3
Maryland	27	26	43	372	529	-29.8	1,792	2,051	-12.6
Mississippi	38	35	61	493	739	-33.3	2,860	3,530	-19.0
Missouri	2	2	3	24	38	-36.8	153	340	-55.0
Montana	575	566	848	7,817	10,347	-24.4	40,277	46,417	-13.2
New Mexico	194	199	301	2,792	3,670	-23.9	17,013	20,078	-15.3
North Dakota	377	370	575	5,137	7,018	-26.8	25,978	28,493	-8.8
Ohio	205	205	398	2,843	4,858	-41.5	15,143	21,799	-30.5
Oklahoma	10	9	16	131	192	-31.6	687	859	-20.0
<b>Pennsylvania Total</b>	<b>634</b>	<b>627</b>	<b>1,066</b>	<b>8,671</b>	<b>13,002</b>	<b>-33.3</b>	<b>47,413</b>	<b>59,945</b>	<b>-20.9</b>
Anthracite (PA)	27	27	37	382	448	-14.7	1,994	1,950	2.3
Bituminous (PA)	607	600	1,029	8,289	12,554	-34.0	45,419	57,995	-21.7
Tennessee	13	12	16	163	191	-14.7	807	845	-4.5
Texas	354	359	618	4,890	7,542	-35.2	30,380	41,313	-26.5
Utah	179	172	280	2,382	3,412	-30.2	13,543	17,108	-20.8
Virginia	180	171	286	2,387	3,490	-31.6	12,294	15,038	-18.2
<b>West Virginia Total</b>	<b>1,229</b>	<b>1,205</b>	<b>2,114</b>	<b>16,806</b>	<b>25,794</b>	<b>-34.8</b>	<b>86,384</b>	<b>111,020</b>	<b>-22.2</b>
Northern (WV)	628	617	1,027	8,605	12,529	-31.3	42,327	49,475	-14.4
Southern (WV)	601	588	1,087	8,201	13,265	-38.2	44,057	61,545	-28.4
Wyoming	4,917	4,802	7,730	66,480	94,310	-29.5	340,556	397,629	-14.4
<b>Appalachian Total</b>	<b>2,814</b>	<b>2,757</b>	<b>4,832</b>	<b>38,342</b>	<b>58,952</b>	<b>-35.0</b>	<b>202,044</b>	<b>262,811</b>	<b>-23.1</b>
<b>Interior Total</b>	<b>2,189</b>	<b>2,132</b>	<b>3,512</b>	<b>29,567</b>	<b>42,842</b>	<b>-31.0</b>	<b>154,792</b>	<b>187,232</b>	<b>-17.3</b>
<b>Western Total</b>	<b>6,600</b>	<b>6,449</b>	<b>10,299</b>	<b>89,364</b>	<b>125,653</b>	<b>-28.9</b>	<b>463,140</b>	<b>542,855</b>	<b>-14.7</b>
<b>East of Mississippi River</b>	<b>4,583</b>	<b>4,464</b>	<b>7,642</b>	<b>62,119</b>	<b>93,232</b>	<b>-33.4</b>	<b>321,681</b>	<b>404,098</b>	<b>-20.4</b>
<b>West of Mississippi River</b>	<b>7,021</b>	<b>6,874</b>	<b>11,001</b>	<b>95,155</b>	<b>134,215</b>	<b>-29.1</b>	<b>498,296</b>	<b>588,800</b>	<b>-15.4</b>
Bituminous and Lignite	11,576	11,311	18,606	156,892	226,999	-30.9	817,982	990,948	-17.5
Anthracite	27	27	37	382	448	-14.7	1,994	1,950	2.3
<b>U.S. Total</b>	<b>11,604</b>	<b>11,338</b>	<b>18,643</b>	<b>157,273</b>	<b>227,447</b>	<b>-30.9</b>	<b>819,976</b>	<b>992,898</b>	<b>-17.4</b>
Railroad Cars Loaded	66,281	64,754	106,484	893,016	1,300,260	-31.3	4,716,784	5,792,302	-18.6

Source: Energy Information Administration

Prepared by EEI's Business Information Group

**EEI**  
**WEEKLY ELECTRIC OUTPUT**

Volume 84 No. 13

**OUTPUT FOR WEEK ENDED - Mar 26, 2016**

Mar 30, 2016

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, Mar 26, 2016 was 67,689 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 168 on the weekly electric output index.

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

	Week Ended March 26		52 Weeks Ended March 26	
	GWh Output	% Increase Over Corresponding Week of 2015	GWh Output	% Increase Over Corresponding Period of 2015
New England	2,207	-7.7	123,814	-2.8
Mid-Atlantic	7,362	-11.2	432,226	-2.3
Central Industrial	11,858	-9.6	660,897	-3.4
West Central	5,715	-4.2	326,216	-0.9
Southeast	16,613	-3.7	1,008,367	-0.7
South Central	11,420	1.0	700,346	0.1
Rocky Mountain	4,591	0.8	277,910	1.3
Pacific Northwest	2,983	2.9	153,274	0.8
Pacific Southwest	4,940	-4.2	284,712	-0.3
Total United States	67,689	-4.6	3,967,762	-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 05	71,352	Mar 07	80,765	-11.7	Mar 05	3,975,731	-1.0
Mar 12	68,466	Mar 14	70,995	-3.6	Mar 12	3,973,203	-1.0
Mar 19	68,254	Mar 21	70,450	-3.1	Mar 19	3,971,006	-1.0
Mar 26	67,689	Mar 28	70,933	-4.6	Mar 26	3,967,762	-1.1
Mar 26	971,922	Mar 28	1,023,547	-5.0	YEAR TO DATE, FIRST 13 WEEKS		

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

Week Ended	2016	Week Ended	2015	Week Ended	2014
Mar 05	172	Mar 07	187	Mar 08	186
Mar 12	175	Mar 14	160	Mar 15	172
Mar 19	175	Mar 21	161	Mar 22	176
Mar 26	168	Mar 28	165	Mar 29	181

\* Excludes Alaska and Hawaii.

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

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

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	26-Mar 2016 GWh Output	28-Mar 2015 GWh Output	% Increase Over Corresponding Week of 2015	26-Mar 2016 GWh Output	28-Mar 2015 GWh Output	% Increase Over Corresponding Week of 2015	26-Mar 2016 GWh Output	28-Mar 2015 GWh Output	% Increase Over Corresponding Week of 2015
<b>New England</b>	2,207	2,392	-7.7%	<b>31,082</b>	<b>34,162</b>	<b>-9.0%</b>	123,814	127,404	-2.8%
<b>Mid-Atlantic</b>	7,362	8,295	-11.2%	<b>106,800</b>	<b>118,931</b>	<b>-10.2%</b>	432,226	442,423	-2.3%
<b>Central Industrial</b>	11,858	13,111	-9.6%	<b>170,741</b>	<b>184,162</b>	<b>-7.3%</b>	660,897	683,837	-3.4%
<b>West Central</b>	5,715	5,965	-4.2%	<b>79,945</b>	<b>83,564</b>	<b>-4.3%</b>	326,216	329,239	-0.9%
<b>Southeast</b>	16,613	17,256	-3.7%	<b>251,053</b>	<b>263,459</b>	<b>-4.7%</b>	1,008,367	1,015,739	-0.7%
<b>South Central</b>	11,420	11,305	1.0%	<b>158,502</b>	<b>167,383</b>	<b>-5.3%</b>	700,346	699,454	0.1%
<b>Rocky Mountain</b>	4,591	4,554	0.8%	<b>65,910</b>	<b>64,816</b>	<b>1.7%</b>	277,910	274,270	1.3%
<b>Pacific Northwest</b>	2,983	2,900	2.9%	<b>43,334</b>	<b>42,203</b>	<b>2.7%</b>	153,274	151,984	0.8%
<b>Pacific Southwest</b>	4,940	5,155	-4.2%	<b>64,554</b>	<b>64,868</b>	<b>-0.5%</b>	284,712	285,598	-0.3%
<b>Total United States <sup>1/</sup></b>	<u>67,689</u>	<u>70,933</u>	-4.6%	<u><b>971,921</b></u>	<u><b>1,023,548</b></u>	<b>-5.0%</b>	<u>3,967,762</u>	<u>4,009,948</u>	-1.1%
<b>Coal Regions Only <sup>2/</sup></b>	57,559	60,486	-4.8%	<b>832,951</b>	<b>882,315</b>	<b>-5.6%</b>	3,405,962	3,444,962	-1.1%

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*.

AMERICAN IRON AND STEEL INSTITUTE  
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March 28, 2016

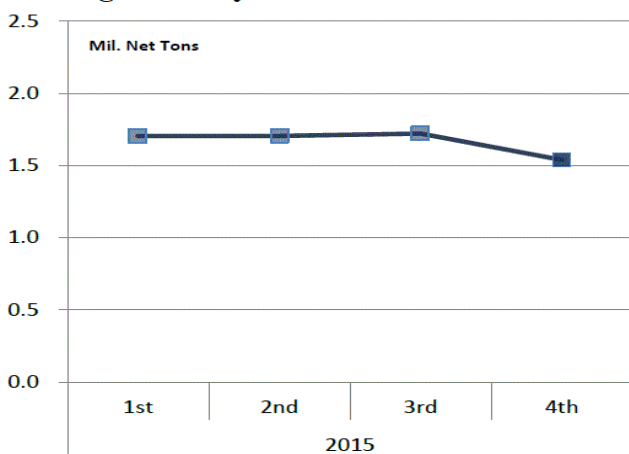
**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

<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>Mar 26</u>	<u>Mar 19</u>	
<b><u>Week Ending</u></b>				North East	199	199
				Great Lakes	670	625
March 26, 2016	1,675	0.4	71.6	Midwest	185	188
March 26, 2015	1,601	4.6	67.7	Southern	536	591
March 19, 2016	1,668	-3.1	71.3	Western	<u>85</u>	<u>65</u>
				Total	1,675	1,668
<b><u>Year-to-Date +</u></b>						
March 26, 2016	21,530	-3.4	70.3			
March 26, 2015	22,280	-	72.1			

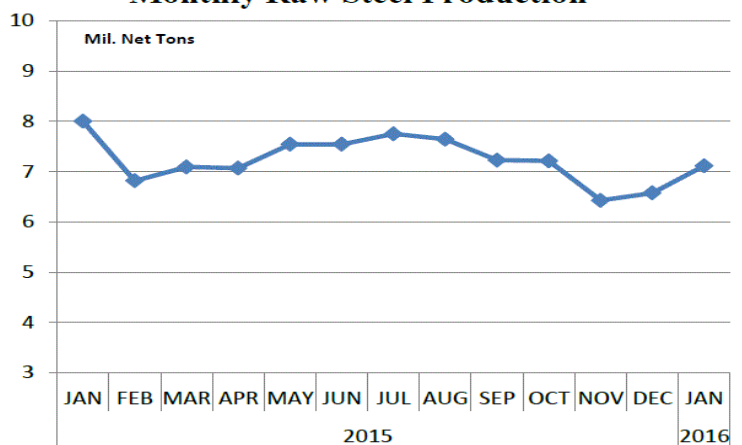
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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



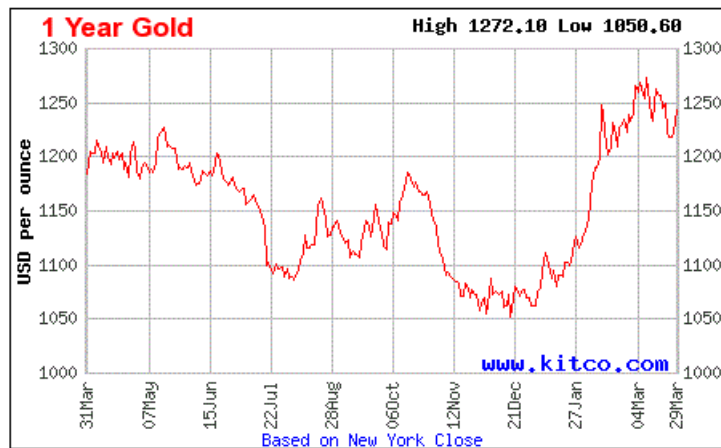
**Monthly Raw Steel Production**



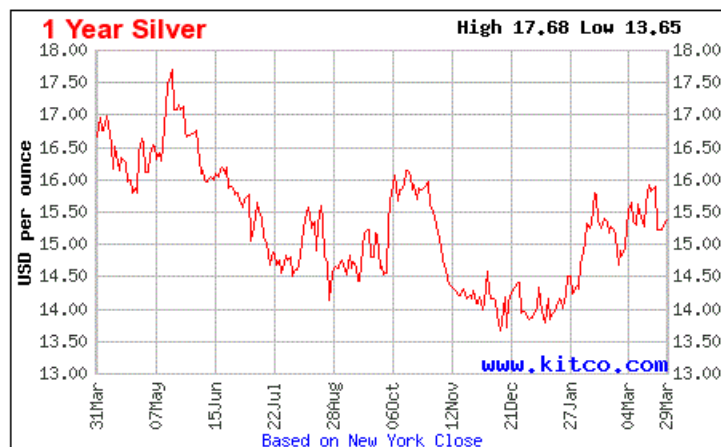
\*Steel in the first solid state after melting suitable for further processing or sale, including ingots, steel for castings and strand or pressure cast blooms, slabs or other product forms. \*\* Based on tonnage capability to produce raw steel for a sustained full order book.



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

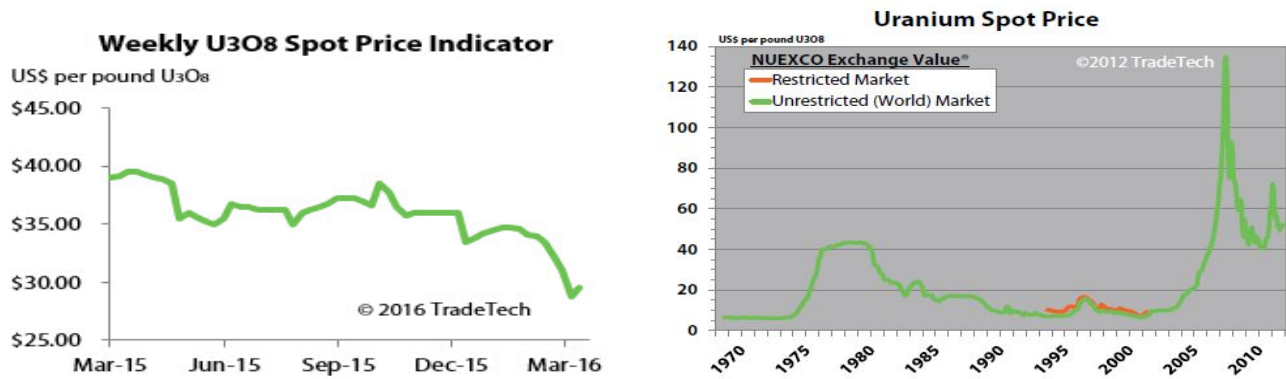


Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)



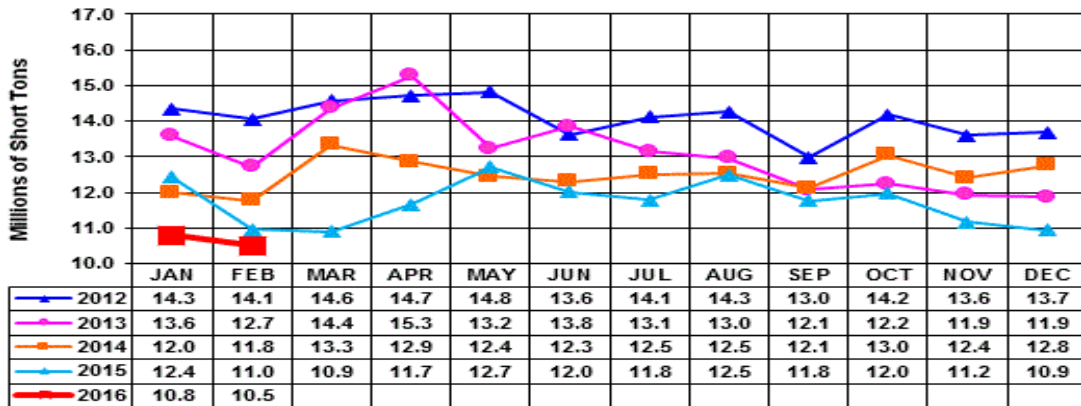
Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)

### Trade Tech's Uranium Price Indicators



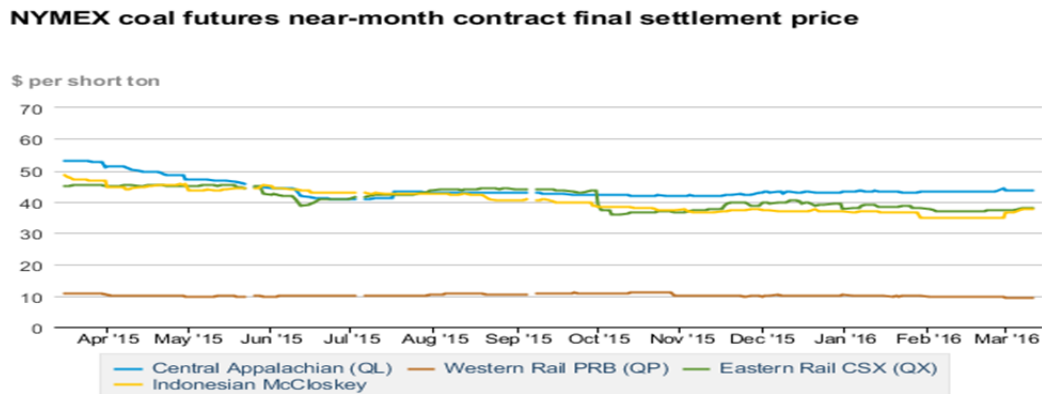
Source: Trade Tech, Uranium Info Website – [www.uranium.info](http://www.uranium.info)

### 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.

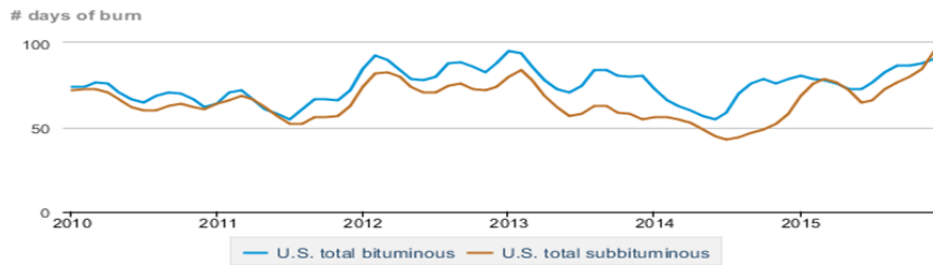
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

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

	Week ending					Week ago
	02/26/16	03/04/16	03/11/16	03/18/16	03/25/16	change
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$42.05	\$42.25	\$42.25	\$42.25	\$42.25	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$48.40	\$48.60	\$48.60	\$48.60	\$48.60	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$32.20	\$32.20	\$32.20	\$32.20	\$32.20	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$9.55	\$9.45	\$9.45	\$9.45	\$9.45	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$38.45	\$38.05	\$38.05	\$38.05	\$38.05	\$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 2015**



Source: U.S. Energy Information Administration

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

**Temperature -- heating & cooling degree days (week ending Mar 17)**

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	126	-80	-93	0	0	0
Middle Atlantic	109	-82	-79	0	0	0
E N Central	109	-92	-39	0	0	0
W N Central	107	-93	-8	0	-1	0
South Atlantic	34	-79	-45	29	18	7
E S Central	27	-80	-32	9	4	8
W S Central	23	-42	-16	26	15	14
Mountain	124	-36	38	3	2	-5
Pacific	78	-13	57	0	-1	-5
United States	85	-66	-20	9	5	2

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)**



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	January 2016		January 2015			December 2015		
		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	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*

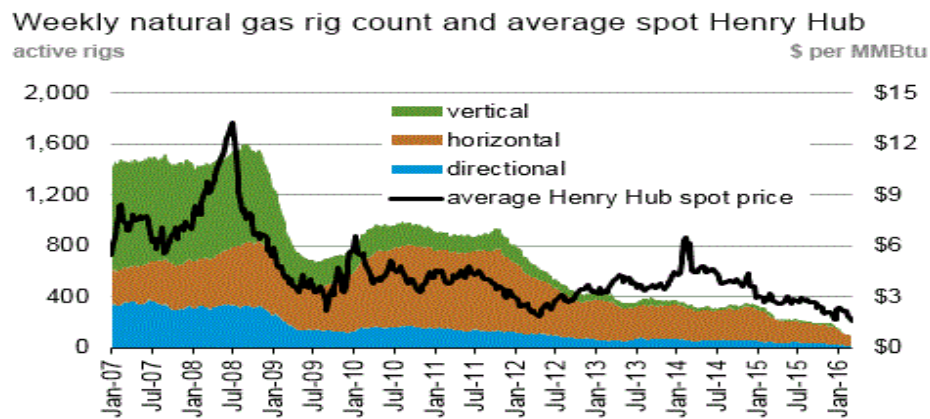
### EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (bcf)		
	2016-03-18	2016-03-11	change
East	453	452	1
Midwest	571	577	-6
Mountain	148	147	1
Pacific	260	259	1
South Central	1,061	1,043	18
<b>Total</b>	<b>2,493</b>	<b>2,478</b>	<b>15</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		
	March 2016	April 2016	change	March 2016	April 2016	change
Bakken	746	752	6	942	951	9
Eagle Ford	820	830	10	2,802	2,828	26
Haynesville	27	27	-	5,531	5,606	75
Marcellus	65	65	-	10,645	10,820	175
Niobrara	778	803	25	2,363	2,420	57
Permian	438	444	6	830	838	8
Utica	310	324	14	6,935	7,049	114
Rig-weighted average	516	528	12	2,700	2,689	(11)

Source: Energy Information Administration, *Drilling Productivity Report*