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National Mining Association

# Weekly Statistical Summary

May 20, 2016 Edition  
(Data for Week Ending May 14, 2016)

Prepared by  
National Mining Association



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# NMA Weekly Statistical Summary

Vol. 54, No.20  
Dated 05/20/16

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	05/14/16	05/16/15	% Chng	05/14/16	05/14/15	% Chng
<b>EIA Coal Production (000 Tons):</b>						
Week Ended/Year to Date	11,369	16,049	-29.2%	233,492	347,370	-32.8%
52 Weeks Ended	777,564	977,917	-20.5%			
AAR Coal Rail Cars Loaded:	64,800	93,664	-30.8%	1,326,704	1,998,584	-33.6%
Coal Production	<b>Apr 16/15</b>		<b>% Chng</b>	<b>Jan - Apr 16/15</b>		<b>% Chng</b>
Month Ended - Apr	46,040	74,704	-38.4%	211,174	314,892	-32.9%

## DOC Bituminous Coal Trade (000 Tons)

Exports:	Mar 16/15			Jan - Mar 16/15		
			% Chng			% Chng
Metallurgical	3,596	5,298	-32.1%	10,153	13,516	-24.9%
Steam (bit.) *	1,458	2,297	-36.5%	3,769	8,370	-55.0%
Lignite	5	4	25.0%	16	15	6.7%
Anthracite	153	16	856.3%	226	89	153.9%
<b>Total</b>	<b>5,212</b>	<b>7,615</b>	<b>-31.6%</b>	<b>14,164</b>	<b>21,990</b>	<b>-35.6%</b>
Imports:	1,186	850	39.5%	2,698	3,009	-10.3%

	Week Ended			Cumulative Jan 1 to		
	05/14/16	05/16/15	% Chng	05/14/16	05/16/15	% Chng
EI Electric Total Output (Mil. Kwh)	70,324	71,779	-2.0%	1,450,604	1,507,685	-3.8%
EI Coal Region Output (Mil. Kwh)	60,493	62,008	-2.4%	1,242,742	1,296,755	-4.2%
AISI Raw Steel Output (000 Tons)	1,727	1,704	1.3%	33,484	33,900	-1.2%

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

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	05/06/16	05/13/16	% Chng	Wed.	05/11/16
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$40.50	\$40.50	0.0%	Henry Hub	2.01
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	43.55	43.55	0.0%	New York	1.56
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	31.70	31.70	0.0%	Chicago	2.01
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	9.35	9.35	0.0%	Cal.Comp.Avg.	2.01
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



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National Mining Association Web Site: [http:// www.nma.org](http://www.nma.org)

## Estimated Weekly U.S. Coal Production Overview

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	5/14/2016 (week 20)	5/7/2016 (week 19)	5/16/2015 (week 20)	5/14/2016	5/14/2015	% Change	5/14/2016	5/16/2015	% Change
Alabama	156	161	267	3,585	5,813	-38.3	10,732	15,950	-32.7
Alaska	16	14	26	277	440	-37.1	1,023	1,333	-23.3
Arizona	93	84	145	1,851	2,725	-32.1	5,889	7,881	-25.3
Arkansas	1	1	2	30	35	-13.0	86	100	-14.0
Colorado	233	217	386	4,869	7,841	-37.9	15,642	23,268	-32.8
Illinois	720	710	1,016	16,168	23,595	-31.5	48,434	60,610	-20.1
Indiana	447	423	652	9,204	13,817	-33.4	29,634	38,341	-22.7
Kansas	3	3	4	64	78	-17.6	184	137	34.3
<b>Kentucky Total</b>	<b>761</b>	<b>706</b>	<b>1,199</b>	<b>15,432</b>	<b>24,837</b>	<b>-37.9</b>	<b>51,603</b>	<b>72,717</b>	<b>-29.0</b>
Eastern (KY)	334	306	561	6,797	11,425	-40.5	23,135	34,735	-33.4
Western (KY)	427	400	638	8,635	13,412	-35.6	28,469	37,983	-25.0
Louisiana	47	53	52	1,011	1,108	-8.7	3,328	3,447	-3.5
Maryland	29	26	37	562	807	-30.3	1,894	2,050	-7.6
Mississippi	42	41	62	773	1,196	-35.4	2,703	3,468	-22.1
Missouri	2	2	3	35	61	-41.7	112	303	-63.0
Montana	528	518	744	11,380	15,893	-28.4	37,142	45,986	-19.2
New Mexico	269	259	376	4,566	6,387	-28.5	17,414	19,640	-11.3
North Dakota	402	389	520	7,829	10,882	-28.1	25,603	28,629	-10.6
Ohio	193	185	303	4,150	7,154	-42.0	14,106	20,643	-31.7
Oklahoma	11	10	16	200	309	-35.3	667	849	-21.4
<b>Pennsylvania Total</b>	<b>626</b>	<b>617</b>	<b>911</b>	<b>12,906</b>	<b>19,812</b>	<b>-34.9</b>	<b>44,109</b>	<b>58,184</b>	<b>-24.2</b>
Anthracite (PA)	34	31	39	600	734	-18.2	2,000	1,999	0.1
Bituminous (PA)	592	586	872	12,305	19,078	-35.5	42,109	56,185	-25.1
Tennessee	13	11	18	244	319	-23.5	770	875	-12.0
Texas	372	408	509	7,514	11,362	-33.9	31,034	39,492	-21.4
Utah	185	180	273	3,615	5,427	-33.4	12,937	16,626	-22.2
Virginia	187	170	270	3,606	5,490	-34.3	11,897	14,847	-19.9
<b>West Virginia Total</b>	<b>1,167</b>	<b>1,138</b>	<b>1,788</b>	<b>24,740</b>	<b>39,178</b>	<b>-36.9</b>	<b>80,585</b>	<b>108,407</b>	<b>-25.7</b>
Northern (WV)	624	585	838	12,768	18,825	-32.2	41,357	49,088	-15.7
Southern (WV)	543	553	950	11,972	20,352	-41.2	39,229	59,319	-33.9
Wyoming	4,866	4,624	6,470	98,877	142,803	-30.8	330,034	394,135	-16.3
Appalachian Total	2,705	2,614	4,154	56,591	89,997	-37.1	187,228	255,689	-26.8
Interior Total	2,072	2,051	2,954	43,637	64,973	-32.8	144,651	184,730	-21.7
Western Total	6,593	6,285	8,940	133,264	192,400	-30.7	445,685	537,498	-17.1
<b>East of Mississippi River</b>	<b>4,341</b>	<b>4,188</b>	<b>6,523</b>	<b>91,372</b>	<b>142,017</b>	<b>-35.7</b>	<b>296,468</b>	<b>396,091</b>	<b>-25.2</b>
<b>West of Mississippi River</b>	<b>7,028</b>	<b>6,761</b>	<b>9,526</b>	<b>142,120</b>	<b>205,353</b>	<b>-30.8</b>	<b>481,096</b>	<b>581,826</b>	<b>-17.3</b>
Bituminous and Lignite	11,335	10,918	16,010	232,891	346,636	-32.8	775,564	975,918	-20.5
Anthracite	34	31	39	600	734	-18.2	2,000	1,999	0.1
<b>U.S. Total</b>	<b>11,369</b>	<b>10,949</b>	<b>16,049</b>	<b>233,492</b>	<b>347,370</b>	<b>-32.8</b>	<b>777,564</b>	<b>977,917</b>	<b>-20.5</b>
Railroad Cars Loaded	64,800	62,394	93,664	1,326,704	1,998,584	-33.6	4,455,739	5,693,904	-21.7

Source: Energy Information Administration

Prepared by EEI's Business Information Group

**WEEKLY ELECTRIC OUTPUT**

Volume 84 No. 20

**OUTPUT FOR WEEK ENDED - May 14, 2016**

May 18, 2016

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, **May 14, 2016** was **70,324** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **174** on the weekly electric output index.

**WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION**

(48 CONTIGUOUS STATES)

	Week Ended May 14		52 Weeks Ended May 14	
	GWh Output	% Increase Over Corresponding Week of 2015	GWh Output	% Increase Over Corresponding Period of 2015
New England	2,036	-7.4	123,457	-2.9
Mid-Atlantic	7,084	-11.1	430,153	-2.8
Central Industrial	11,263	-5.9	659,343	-3.5
West Central	5,835	-1.1	325,799	-1.0
Southeast	18,192	-5.2	1,006,882	-1.0
South Central	13,548	7.6	701,787	0.1
Rocky Mountain	4,571	4.2	277,349	1.2
Pacific Northwest	2,628	2.0	153,053	0.8
Pacific Southwest	5,168	3.4	284,484	0.0
Total United States	70,324	-2.0	3,962,306	-1.2

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

Week Ended	2016	Week Ended	2015	% Inc. (16/15)	52 Weeks Ended	2016	% Inc. (16/15)
Apr 23	67,123	Apr 25	68,150	-1.5	Apr 23	3,964,734	-1.2
Apr 30	69,488	May 02	67,570	2.8	Apr 30	3,966,652	-1.1
May 07	67,743	May 09	70,634	-4.1	May 07	3,963,761	-1.2
May 14	70,324	May 16	71,779	-2.0	May 14	3,962,306	-1.2
May 14	1,450,604	May 16	1,507,685	-3.8	YEAR TO DATE, FIRST 20 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2016	Week Ended	2015	Week Ended	2014
Apr 23	172	Apr 25	159	Apr 26	172
Apr 30	176	May 02	158	May 03	174
May 07	168	May 09	165	May 10	173
May 14	174	May 16	169	May 17	176

\* 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		
	14-May 2016 GWh Output	16-May 2015 GWh Output	% Increase Over Corresponding Week of 2015	14-May 2016 GWh Output	16-May 2015 GWh Output	% Increase Over Corresponding Week of 2015	14-May 2016 GWh Output	16-May 2015 GWh Output	% Increase Over Corresponding Week of 2015
<b>New England</b>	2,036	2,199	-7.4%	<b>45,820</b>	<b>49,257</b>	<b>-7.0%</b>	123,457	127,171	-2.9%
<b>Mid-Atlantic</b>	7,084	7,972	-11.1%	<b>156,948</b>	<b>171,152</b>	<b>-8.3%</b>	430,153	442,659	-2.8%
<b>Central Industrial</b>	11,263	11,974	-5.9%	<b>252,557</b>	<b>267,532</b>	<b>-5.6%</b>	659,343	683,317	-3.5%
<b>West Central</b>	5,835	5,900	-1.1%	<b>119,720</b>	<b>123,755</b>	<b>-3.3%</b>	325,799	329,230	-1.0%
<b>Southeast</b>	18,192	19,182	-5.2%	<b>371,980</b>	<b>385,871</b>	<b>-3.6%</b>	1,006,882	1,016,887	-1.0%
<b>South Central</b>	13,548	12,594	7.6%	<b>244,655</b>	<b>252,095</b>	<b>-3.0%</b>	701,787	700,955	0.1%
<b>Rocky Mountain</b>	4,571	4,386	4.2%	<b>96,882</b>	<b>96,350</b>	<b>0.6%</b>	277,349	274,065	1.2%
<b>Pacific Northwest</b>	2,628	2,576	2.0%	<b>62,315</b>	<b>61,405</b>	<b>1.5%</b>	153,053	151,898	0.8%
<b>Pacific Southwest</b>	5,168	4,996	3.4%	<b>99,727</b>	<b>100,270</b>	<b>-0.5%</b>	284,484	284,510	0.0%
<b>Total United States <sup>1/</sup></b>	<b>70,325</b>	<b>71,779</b>	<b>-2.0%</b>	<b>1,450,604</b>	<b>1,507,687</b>	<b>-3.8%</b>	3,962,307	4,010,692	-1.2%
<b>Coal Regions Only <sup>2/</sup></b>	60,493	62,008	-2.4%	<b>1,242,742</b>	<b>1,296,755</b>	<b>-4.2%</b>	3,401,313	3,447,113	-1.3%

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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May 16, 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>May 14</u>	<u>May 7</u>	
May 14, 2016	1,727	-1.2	73.9	North East	198	196
May 14, 2015	1,704	1.3	72.1	Great Lakes	613	639
May 7, 2016	1,748	2.2	74.7	Midwest	176	182
				Southern	648	640
				Western	92	91
				<b>Total</b>	<b>1,727</b>	<b>1,748</b>

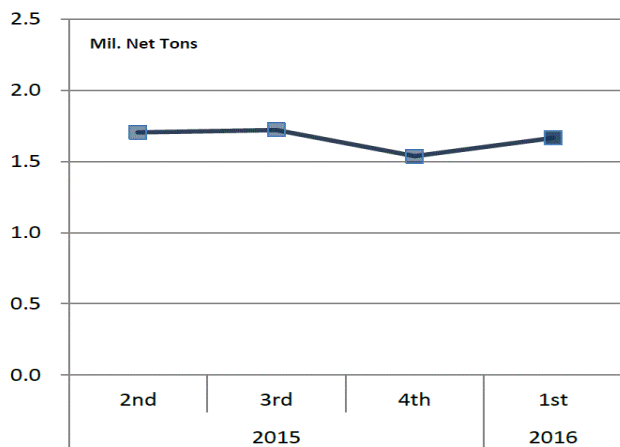
  

<u>Year-to-Date +</u>			
May 14, 2016	33,484	-1.2	71.6
May 14, 2015	33,900	-	71.6

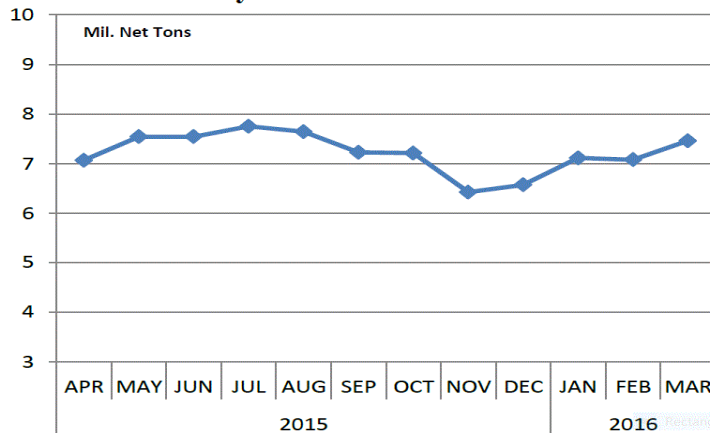
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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



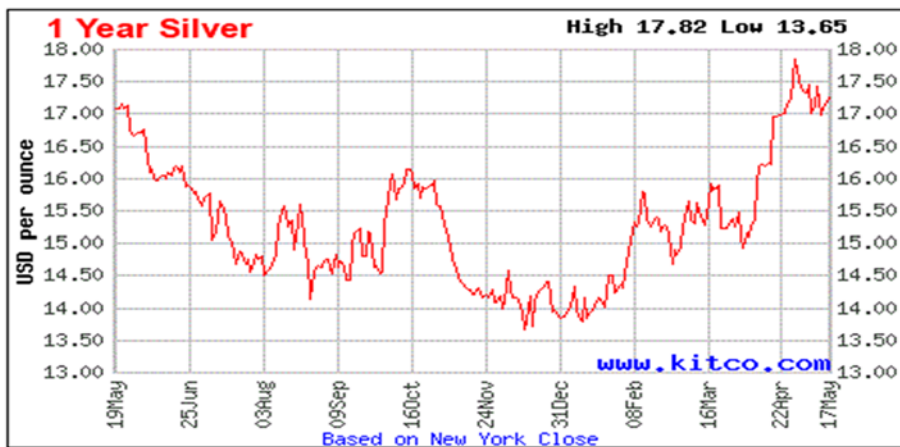
\*Steel in the first solid state after melting suitable for further processing or sale, including ingots, steel for castings and strand or pressure cast blooms, slabs or other product forms. \*\* Based on tonnage capability to produce raw steel for a sustained full order book.



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

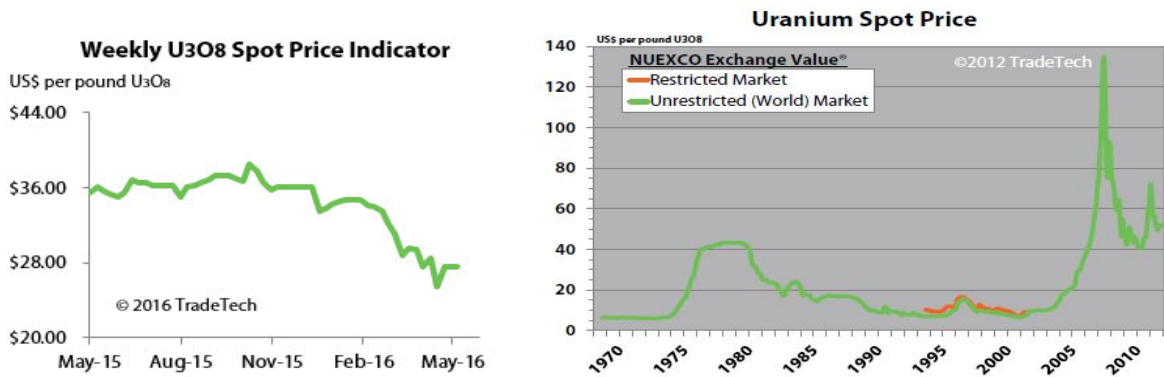


Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)

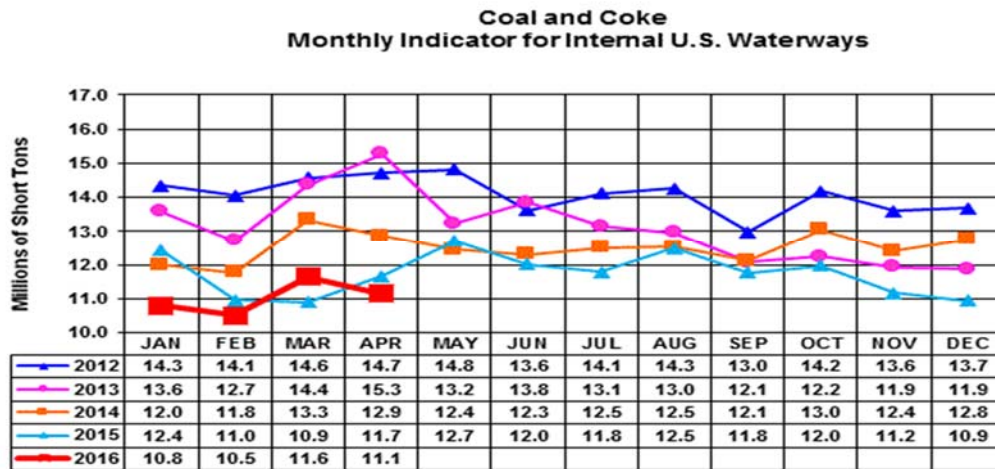


Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)

### Trade Tech's Uranium Price Indicators

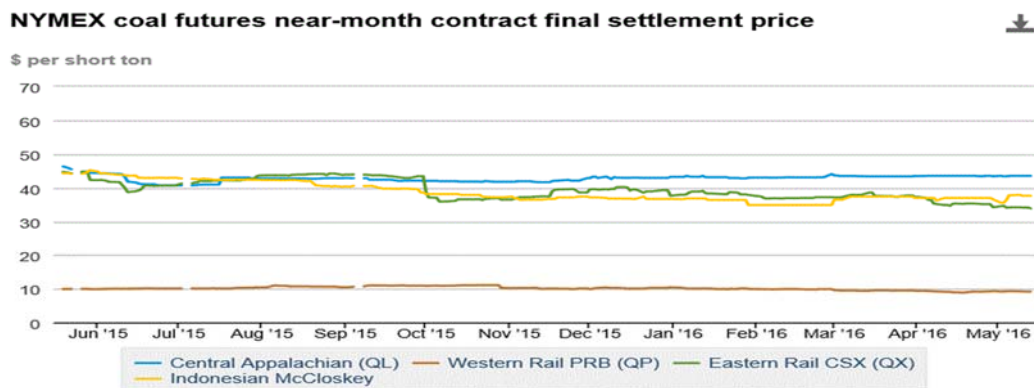


Source: Trade Tech, Uranium Info Website – [www.uranium.info](http://www.uranium.info)



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

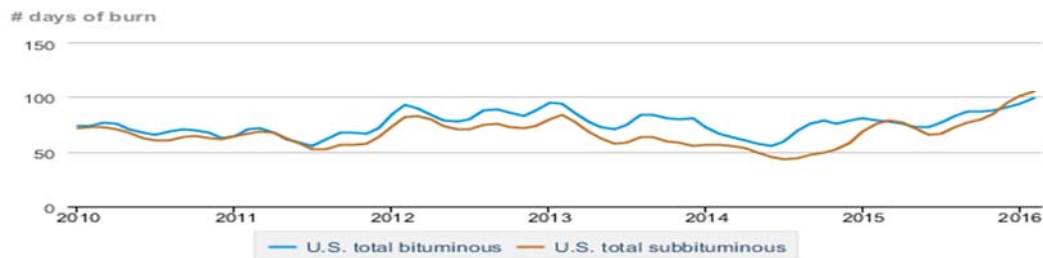
### Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	04/15/16	04/22/16	04/29/16	05/06/16	05/13/16	change
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$42.30	\$42.30	\$40.50	\$40.50	\$40.50	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$46.60	\$46.60	\$43.55	\$43.55	\$43.55	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$31.70	\$31.70	\$31.70	\$31.70	\$31.70	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$9.35	\$9.35	\$9.35	\$9.35	\$9.35	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$37.80	\$37.80	\$37.80	\$37.80	\$37.80	\$0.00

Source: With permission, [SNL Energy](#)

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

### Days of burn by non-lignite coal rank, January 2009 - February 2016



Source: U.S. Energy Information Administration

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

### Temperature -- heating & cooling degree days (week ending May 05)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	122	29	60	0	0	0
Middle Atlantic	101	24	61	0	-1	-1
E N Central	95	13	45	0	-3	-4
W N Central	87	16	50	0	-5	-12
South Atlantic	30	-3	5	43	18	16
E S Central	27	-3	-2	20	5	1
W S Central	17	8	7	34	-3	-3
Mountain	89	5	41	11	-2	-8
Pacific	35	-15	7	1	-5	-8
United States	68	7	32	14	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	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	February 2016		February 2015			January 2016		
		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	7,725	113	5,982	85	29.1%	7,963	100	-3.0%
	Subbituminous	545	303	747	260	-27.1%	652	220	-16.5%
South	Bituminous	34,970	99	30,211	81	15.8%	35,788	97	-2.3%
	Subbituminous	7,689	99	5,942	80	29.4%	7,792	98	-1.3%
Midwest	Bituminous	17,391	99	13,392	74	29.9%	17,447	91	-0.3%
	Subbituminous	46,504	95	32,575	64	42.8%	46,617	87	-0.2%
West	Bituminous	5,313	85	4,746	74	11.9%	4,852	78	9.5%
	Subbituminous	42,051	121	30,848	91	36.3%	40,971	121	2.6%
U.S. Total	Bituminous	65,400	99	54,331	79	20.4%	66,051	94	-1.0%
	Subbituminous	96,789	105	70,112	76	38.0%	96,032	101	0.8%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

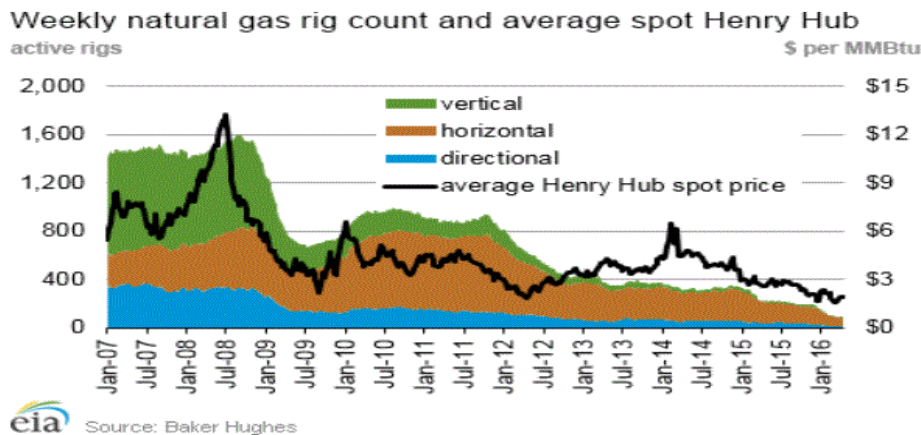
### EIA Working Natural Gas Underground Storage

#### Working gas in underground storage

Region	Stocks billion cubic feet (bcf)		
	2016-05-06	2016-04-29	change
East	468	454	14
Midwest	582	566	16
Mountain	161	157	4
Pacific	288	284	4
South Central	1,182	1,164	18
<b>Total</b>	<b>2,681</b>	<b>2,625</b>	<b>56</b>

Source: U.S. Energy Information Administration

### 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		
	May 2016	June 2016	change	May 2016	June 2016	change
Bakken	815	832	17	1,083	1,114	31
Eagle Ford	971	994	23	3,012	3,045	33
Haynesville	30	31	1	5,427	5,507	80
Marcellus	65	65	-	11,026	11,123	97
Niobrara	892	915	23	2,768	2,848	80
Permian	480	493	13	858	878	20
Utica	332	345	13	7,145	7,281	136
<b>Rig-weighted average</b>	<b>562</b>	<b>575</b>	<b>13</b>	<b>2,894</b>	<b>3,005</b>	<b>111</b>

Source: Energy Information Administration, *Drilling Productivity Report*