

---

National Mining Association

# Weekly Statistical Summary

December 9, 2016 Edition  
(Data for Week Ending December 3, 2016)

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. 54, No. 49  
Dated 12/09/16

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	12/03/16	11/05/15	% Chng	12/03/16	12/03/15	% Chng
<b>EIA Coal Production (000 Tons):</b>						
Week Ended/Year to Date	16,317	16,134	1.1%	688,989	841,200	-18.1%
52 Weeks Ended	740,212	914,183	-19.0%			
AAR Coal Rail Cars Loaded:	89,753	92,820	-3.3%	3,785,706	4,830,004	-21.6%
Coal Production Month Ended - Nov.	<b>Nov 16/15</b>		<b>% Chng</b>	<b>Jan - Nov 16/15</b>		<b>% Chng</b>
	70,837	68,574	3.3%	681,973	833,977	-18.2%

## DOC Bituminous Coal Trade (000 Tons)

Exports:	October 16/15			Jan - Oct 16/15		
			% Chng			% Chng
Metallurgical	3,157	3,452	-8.5%	32,448	40,011	-18.9%
Steam *	1,695	2,274	-25.5%	12,967	24,080	-46.2%
Lignite	7	5	40.0%	58	52	11.5%
Anthracite	8	16	-50.0%	359	292	22.9%
<b>Total</b>	<b>4,867</b>	<b>5,747</b>	<b>-15.3%</b>	<b>45,832</b>	<b>64,435</b>	<b>-28.9%</b>
<b>Imports:</b>	768	854	-10.1%	8,491	9,468	-10.3%

	Week Ended			Cumulative Jan 1 to		
	12/03/16	11/05/15	% Chng	12/03/16	11/05/15	% Chng
<b>EI Electric Total Output (Mil. Kwh)</b>	73,146	74,491	-1.8%	3,785,795	3,802,135	-0.4%
<b>EI Coal Region Output (Mil. Kwh)</b>	62,539	63,336	-1.3%	3,261,534	3,271,096	-0.3%
<b>AISI Raw Steel Output (000 Tons)</b>	1,635	1,493	9.5%	81,376	82,481	-1.3%

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

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	12/02/16	11/25/16	% Chng	Wed.	11/30/16
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$45.05	\$45.05	0.0%	Henry Hub	3.29
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	42.25	42.25	0.0%	New York	2.91
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	33.25	33.25	0.0%	Chicago	3.29
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	9.00	9.00	0.0%	Cal.Comp.Avg.	3.37
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	39.40	39.40	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		
	12/3/2016 (week 49)	11/26/2016 (week 48)	12/5/2015 (week 49)	12/3/2016	12/3/2015	% Change	12/3/2016	12/5/2015	% Change
Alabama	168	164	183	8,655	12,559	-31.1	9,237	13,696	-32.6
Alaska	28	25	24	1,085	1,094	-0.8	1,162	1,188	-2.2
Arizona	108	100	107	4,989	6,434	-22.5	5,329	7,024	-24.1
Arkansas	1	1	1	56	87	-35.6	60	97	-38.1
Coloradc	209	208	254	11,053	18,003	-38.6	11,859	19,597	-39.5
Illinois	937	896	932	43,306	53,006	-18.3	46,266	57,427	-19.4
Indiana	620	564	566	27,387	32,342	-15.3	29,182	35,184	-17.1
Kansas	4	3	4	112	184	-39.1	126	199	-36.7
<b>Kentucky Total</b>	<b>951</b>	<b>891</b>	<b>1,007</b>	<b>42,679</b>	<b>57,956</b>	<b>-26.4</b>	<b>45,875</b>	<b>63,154</b>	<b>-27.4</b>
Eastern (KY)	375	361	448	17,488	26,561	-34.2	18,911	28,985	-34.8
Western (KY)	575	530	558	25,192	31,395	-19.8	26,964	34,169	-21.1
Louisiana	67	65	60	2,921	3,233	-9.7	3,110	3,550	-12.4
Maryland	31	29	33	1,387	1,807	-23.2	1,493	1,946	-23.3
Mississippi	66	58	48	2,710	2,976	-8.9	2,864	3,187	-10.1
Missouri	3	2	1	159	134	18.4	163	152	7.2
Montana	671	648	743	29,475	39,297	-25.0	31,834	42,956	-25.9
New Mexicc	402	381	383	16,160	18,357	-12.0	17,375	19,779	-12.2
North Dakota	640	615	541	27,445	26,931	1.9	29,164	29,103	0.2
Ohio	327	292	288	13,694	16,046	-14.7	14,608	17,468	-16.4
Oklahoma	15	14	14	651	732	-11.0	696	791	-12.0
<b>Pennsylvania Total</b>	<b>942</b>	<b>873</b>	<b>858</b>	<b>41,970</b>	<b>47,906</b>	<b>-12.4</b>	<b>44,695</b>	<b>52,294</b>	<b>-14.5</b>
Anthracite (PA)	46	44	42	1,881	1,995	-5.8	2,015	2,148	-6.2
Bituminous (PA)	896	830	816	40,089	45,911	-12.7	42,680	50,146	-14.9
Tennessee	21	18	17	797	840	-5.1	850	910	-6.6
Texas	1,031	920	735	38,125	33,379	14.2	40,458	36,562	10.7
Utah	314	284	267	13,231	13,498	-2.0	14,077	14,776	-4.7
Virginia	299	270	258	12,502	13,429	-6.9	13,322	14,487	-8.0
<b>West Virginia Total</b>	<b>1,692</b>	<b>1,591</b>	<b>1,670</b>	<b>74,419</b>	<b>89,862</b>	<b>-17.2</b>	<b>79,722</b>	<b>97,489</b>	<b>-18.2</b>
Northern (WV)	998	923	933	40,774	44,561	-8.5	43,737	48,138	-9.1
Southern (WV)	694	668	737	33,645	45,301	-25.7	35,985	49,351	-27.1
Wyoming	6,770	6,278	7,139	274,020	351,109	-22.0	296,685	381,168	-22.2
<b>Appalachian Total</b>	<b>3,854</b>	<b>3,599</b>	<b>3,756</b>	<b>170,912</b>	<b>209,010</b>	<b>-18.2</b>	<b>182,837</b>	<b>227,275</b>	<b>-19.6</b>
<b>Interior Total</b>	<b>3,319</b>	<b>3,053</b>	<b>2,920</b>	<b>140,618</b>	<b>157,467</b>	<b>-10.7</b>	<b>149,890</b>	<b>171,318</b>	<b>-12.5</b>
<b>Western Total</b>	<b>9,143</b>	<b>8,539</b>	<b>9,457</b>	<b>377,459</b>	<b>474,723</b>	<b>-20.5</b>	<b>407,485</b>	<b>515,590</b>	<b>-21.0</b>
<b>East of Mississippi River</b>	<b>6,052</b>	<b>5,646</b>	<b>5,861</b>	<b>269,507</b>	<b>328,729</b>	<b>-18.0</b>	<b>288,114</b>	<b>357,242</b>	<b>-19.4</b>
<b>West of Mississippi River</b>	<b>10,265</b>	<b>9,544</b>	<b>10,273</b>	<b>419,483</b>	<b>512,471</b>	<b>-18.1</b>	<b>452,098</b>	<b>556,942</b>	<b>-18.8</b>
<b>Bituminous and Lignite</b>	<b>16,270</b>	<b>15,147</b>	<b>16,091</b>	<b>687,109</b>	<b>839,205</b>	<b>-18.1</b>	<b>738,197</b>	<b>912,035</b>	<b>-19.1</b>
<b>Anthracite</b>	<b>46</b>	<b>44</b>	<b>42</b>	<b>1,881</b>	<b>1,995</b>	<b>-5.8</b>	<b>2,015</b>	<b>2,148</b>	<b>-6.2</b>
<b>U.S. Total</b>	<b>16,317</b>	<b>15,190</b>	<b>16,134</b>	<b>688,989</b>	<b>841,200</b>	<b>-18.1</b>	<b>740,212</b>	<b>914,183</b>	<b>-19.0</b>
Railroad Cars Loaded	89,753	83,542	92,820	3,785,706	4,830,004	-21.6	4,083,557	5,259,974	-22.4

Source: Energy Information Administration

EEI Prepared by EEI's Business Information Group

**WEEKLY ELECTRIC OUTPUT**

Volume 84 No. 49

**OUTPUT FOR WEEK ENDED - Dec 03, 2016**

Dec 07, 2016

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Dec 03, 2016 was 73,146 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 178 on the weekly electric output index.

**WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION**

(48 CONTIGUOUS STATES)

	Week Ended December 03		52 Weeks Ended December 03	
	GWh Output	% Increase Over Corresponding Week of 2015	GWh Output	% Increase Over Corresponding Period of 2015
New England	2,279	-2.8	123,185	-3.4
Mid-Atlantic	7,902	-1.0	432,887	-3.0
Central Industrial	13,095	-1.3	672,415	-0.7
West Central	5,928	-2.7	328,846	-0.5
Southeast	18,229	0.6	1,023,532	-0.1
South Central	12,123	-2.1	712,688	0.4
Rocky Mountain	5,262	-3.9	275,393	-0.3
Pacific Northwest	3,272	-9.5	150,975	-0.4
Pacific Southwest	5,056	-2.7	283,127	-0.6
Total United States	73,146	-1.8	4,003,048	-0.6

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

Week Ended	2016	Week Ended	2015	% Inc. (16/15)	52 Weeks Ended	2016	% Inc. (16/15)
Nov 12	68,087	Nov 14	69,344	-1.8	Nov 12	4,007,633	-0.8
Nov 19	68,835	Nov 21	70,133	-1.9	Nov 19	4,006,335	-0.6
Nov 26	68,207	Nov 28	70,149	-2.8	Nov 26	4,004,392	-0.6
Dec 03	73,146	Dec 05	74,491	-1.8	Dec 03	4,003,048	-0.6
Dec 03	3,785,795	Dec 05	3,802,135	-0.4	YEAR TO DATE, FIRST 49 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2016	Week Ended	2015	Week Ended	2014
Nov 12	179	Nov 14	158	Nov 15	201
Nov 19	180	Nov 21	161	Nov 22	214
Nov 26	176	Nov 28	161	Nov 29	190
Dec 03	178	Dec 05	170	Dec 06	195

\* Excludes Alaska and Hawaii.

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

Copyright © 2016 Edison Electric Institute. All rights reserved.

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

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	3-Dec 2016 GWh Output	5-Dec 2015 GWh Output	% Increase Over Corresponding Week of 2015	3-Dec 2016 GWh Output	5-Dec 2015 GWh Output	% Increase Over Corresponding Week of 2015	3-Dec 2016 GWh Output	5-Dec 2015 GWh Output	% Increase Over Corresponding Week of 2015
<b>New England</b>	2,279	2,345	-2.8%	<b>116,354</b>	<b>120,063</b>	<b>-3.1%</b>	123,185	127,491	-3.4%
<b>Mid-Atlantic</b>	7,902	7,985	-1.0%	<b>409,749</b>	<b>421,219</b>	<b>-2.7%</b>	432,887	446,347	-3.0%
<b>Central Industrial</b>	13,095	13,270	-1.3%	<b>635,221</b>	<b>637,121</b>	<b>-0.3%</b>	672,415	677,233	-0.7%
<b>West Central</b>	5,928	6,091	-2.7%	<b>310,487</b>	<b>311,477</b>	<b>-0.3%</b>	328,846	330,378	-0.5%
<b>Southeast</b>	18,229	18,126	0.6%	<b>970,233</b>	<b>967,470</b>	<b>0.3%</b>	1,023,532	1,024,793	-0.1%
<b>South Central</b>	12,123	12,389	-2.1%	<b>677,419</b>	<b>673,960</b>	<b>0.5%</b>	712,688	709,500	0.4%
<b>Rocky Mountain</b>	5,262	5,475	-3.9%	<b>258,425</b>	<b>259,849</b>	<b>-0.5%</b>	275,393	276,360	-0.3%
<b>Pacific Northwest</b>	3,272	3,615	-9.5%	<b>140,308</b>	<b>141,483</b>	<b>-0.8%</b>	150,975	151,590	-0.4%
<b>Pacific Southwest</b>	5,056	5,195	-2.7%	<b>267,599</b>	<b>269,496</b>	<b>-0.7%</b>	283,127	284,704	-0.6%
<b>Total United States <sup>1/</sup></b>	<u>73,146</u>	<u>74,491</u>	-1.8%	<u><b>3,785,795</b></u>	<u><b>3,802,138</b></u>	<u><b>-0.4%</b></u>	<u>4,003,048</u>	<u>4,028,396</u>	-0.6%
<b>Coal Regions Only <sup>2/</sup></b>	62,539	63,336	-1.3%	<b>3,261,534</b>	<b>3,271,096</b>	<b>-0.3%</b>	3,445,761	3,464,611	-0.5%

Notes: EEl 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. EEl 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 (EEl), *Weekly Electric Output Report*.

AMERICAN IRON AND STEEL INSTITUTE  
 25 Massachusetts Avenue, NW, Suite 800  
 Washington, D.C. 20001

December 5, 2016

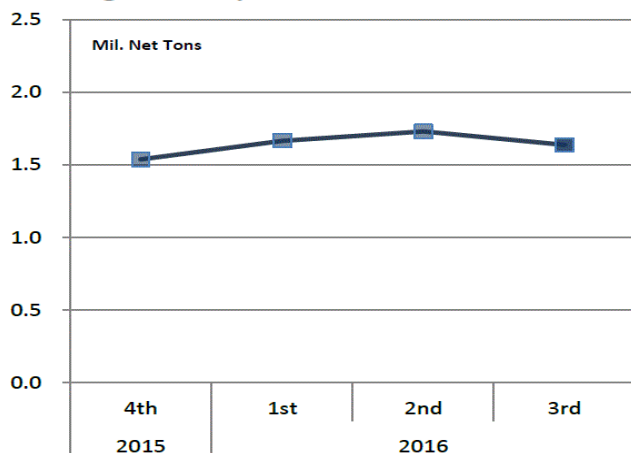
**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

<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 Dec. 3</u>	<u>Nov. 26</u>	
<b><u>Week Ending</u></b>				North East	199	202
				Great Lakes	652	630
December 3, 2016	1,635	2.3	68.9	Midwest	154	158
December 3, 2015	1,493	9.5	62.5	Southern	563	547
November 26, 2016	1,598	-0.5	67.4	Western	67	61
				<b>Total</b>	<b>1,635</b>	<b>1,598</b>
<b><u>Year-to-Date +</u></b>						
December 3, 2016	81,376	-1.3	70.9			
December 3, 2015	82,481	-	70.8			

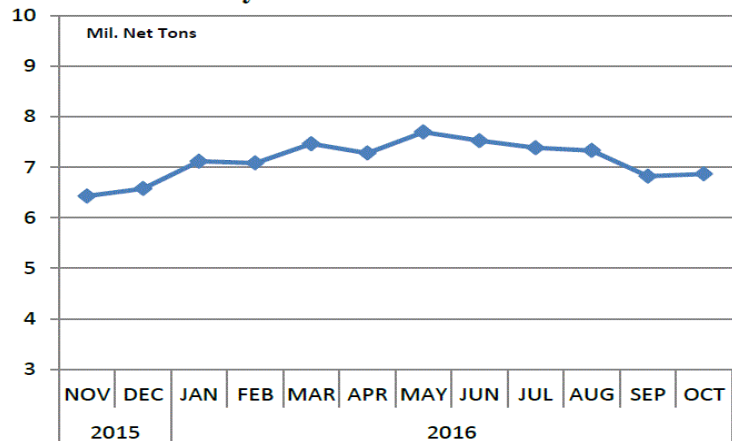
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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



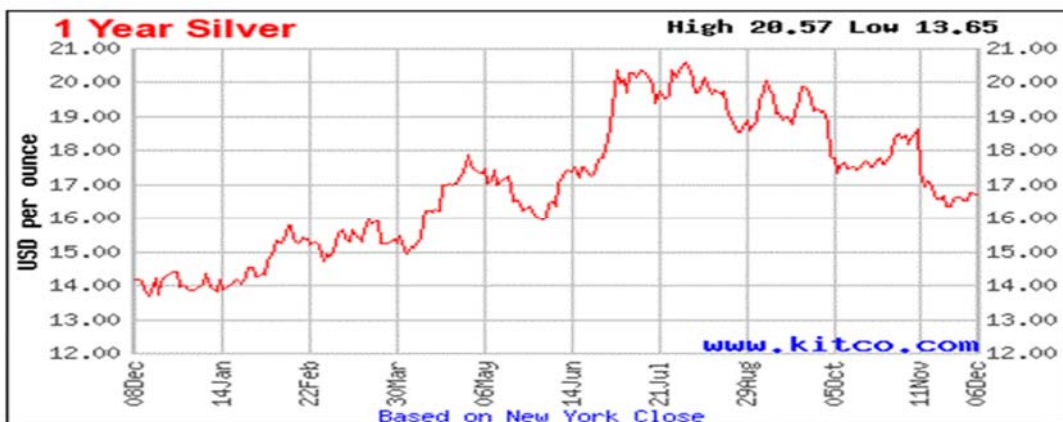
\*Steel in the first solid state after melting suitable for further processing or sale, including ingots, steel for castings and strand or pressure cast blooms, slabs or other product forms. \*\* Based on tonnage capability to produce raw steel for a sustained full order book.



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

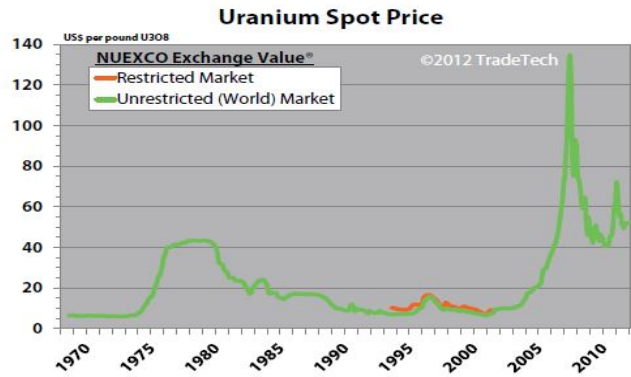
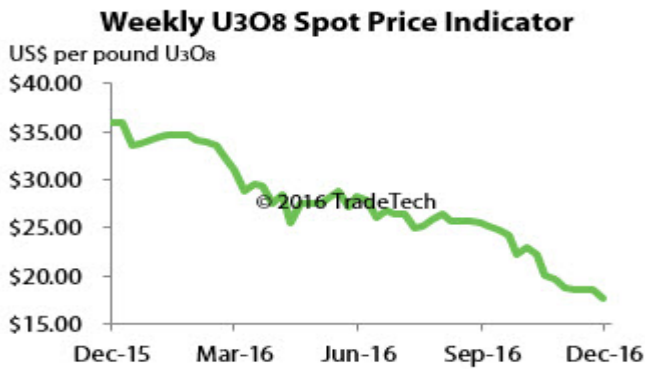


Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)



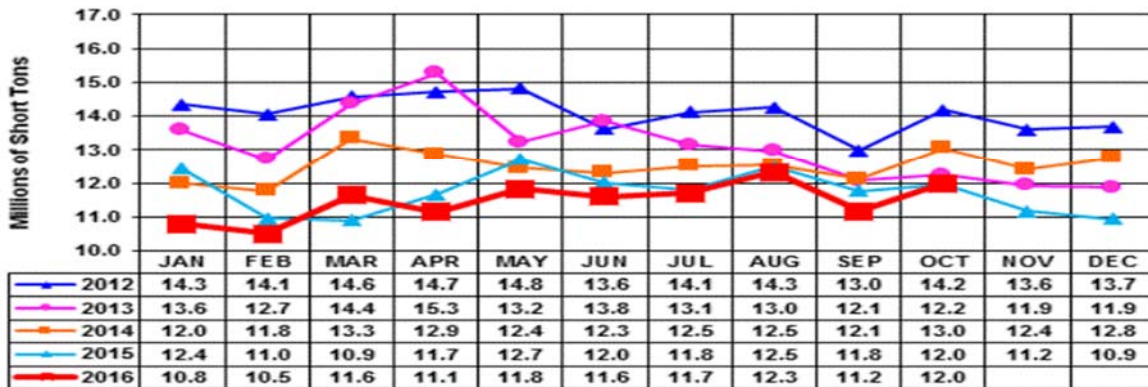
Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)

### Trade Tech's Uranium Price Indicators



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

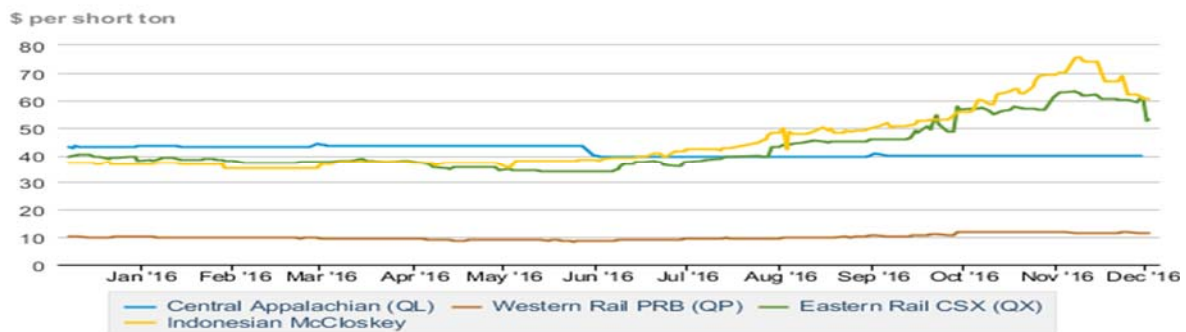
### Coal and Coke Monthly Indicator for Internal U.S. Waterways



Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center

### NYMEX Coal Futures Near-month Contract Final Settlement Price

#### 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
	11/04/16	11/11/16	11/18/16	11/25/16	12/02/16	change
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$45.05	\$45.05	\$45.05	\$45.05	\$45.05	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$42.25	\$42.25	\$42.25	\$42.25	\$42.25	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$33.25	\$33.25	\$33.25	\$33.25	\$33.25	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$9.00	\$9.00	\$9.00	\$9.00	\$9.00	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$39.40	\$39.40	\$39.40	\$39.40	\$39.40	\$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 - September 2016



Source: U.S. Energy Information Administration

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

### Temperature -- heating & cooling degree days (week ending Nov 24)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	174	-2	2	0	0	0
Middle Atlantic	166	-1	7	0	0	0
E N Central	187	-5	-19	0	0	0
W N Central	195	-21	-12	0	0	0
South Atlantic	119	6	2	7	-4	-8
E S Central	114	-3	-16	0	-1	0
W S Central	66	-16	-16	7	2	4
Mountain	158	-30	-11	0	0	0
Pacific	87	-8	17	0	-1	0
United States	142	-8	-4	2	-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	2016 Year to Date - 2nd Quarter	2015 Year to Date - 2nd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	450.0	374.0	20%
Cement (Mil. Mt.)	38.9	36.6	6%
Copper (000 Mt.)	703.0	665.0	6%
Gold (Mt.)	103.0	97.7	5%
Gypsum (Mil. Mt.)	8.3	7.3	14%
Iron Ore (Mil. Mt.)	19.2	23.4	-18%
Lead (000 Mt.)	177.0	188.0	-6%
Molybdenum (000 Mt.)	17.7	27.3	-35%
Phosphate rock (Mil. Mt.)	12.7	13.8	-8%
Sand & gravel, construction (Mil. Mt.)	443.0	410.0	8%
Silver (Mt.)	567.0	551.0	3%
Soda ash (Mil. Mt.)	5.8	5.8	0%
Stone, crushed (Mil. Mt.)	648.0	582.0	11%
Zinc (000 Mt.)	404.0	417.0	-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: 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	September 2016		September 2015		% Change of Stocks	August 2016		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	5,487	95	6,924	102	-20.8%	5,291	98	3.7%
	Subbituminous	136	97	758	201	-82.0%	153	131	-10.7%
South	Bituminous	27,339	88	31,931	89	-14.4%	27,916	84	-2.1%
	Subbituminous	5,631	68	5,586	62	0.8%	5,899	67	-4.5%
Midwest	Bituminous	16,549	99	15,023	82	10.2%	16,831	99	-1.7%
	Subbituminous	40,862	84	38,090	69	7.3%	40,679	82	0.4%
West	Bituminous	5,885	84	5,378	73	9.4%	5,715	79	3.0%
	Subbituminous	30,830	95	32,155	90	-4.1%	31,529	92	-2.2%
U.S. Total	Bituminous	55,260	92	59,256	87	-6.7%	55,753	89	-0.9%
	Subbituminous	77,459	87	76,588	77	1.1%	78,259	84	-1.0%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

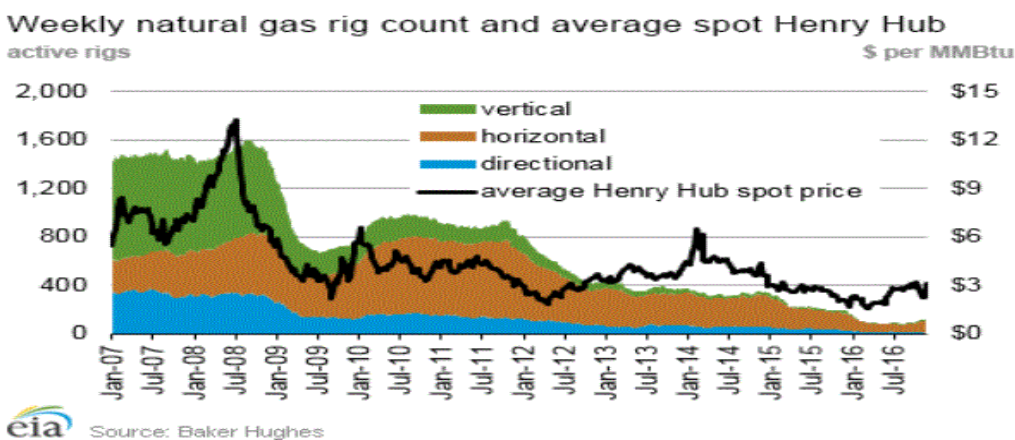
### EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2016-11-25	2016-11-18	change
East	912	935	-23
Midwest	1,130	1,153	-23
Mountain	258	259	-1
Pacific	328	328	0
South Central	1,367	1,370	-3
<b>Total</b>	<b>3,995</b>	<b>4,045</b>	<b>-50</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		
	November 2016	December 2016	change	November 2016	December 2016	change
Bakken	927	949	22	1,296	1,343	47
Eagle Ford	1,280	1,307	27	3,525	3,586	61
Haynesville	30	30	-	5,982	6,062	80
Marcellus	69	69	-	12,130	12,290	160
Niobrara	1,142	1,177	35	3,683	3,794	111
Permian	604	611	7	999	1,007	8
Utica	132	123	(9)	8,502	8,579	77
Rig-weighted average	649	643	(6)	2,998	3,120	122

Source: Energy Information Administration, *Drilling Productivity Report*