

---

National Mining Association

# Weekly Statistical Summary

October 28, 2016 Edition  
(Data for Week Ending October 22, 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. 43  
Dated 10/28/16

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	10/22/16	10/24/15	% Chng	10/22/16	10/22/15	% Chng
<b>EIA Coal Production (000 Tons):</b>						
Week Ended/Year to Date	16,462	17,526	-6.1%	589,563	743,828	-20.7%
52 Weeks Ended	737,805	933,564	-21.0%			
AAR Coal Rail Cars Loaded:	90,272	100,829	-10.5%	3,239,199	4,269,583	-24.1%
<b>Coal Production</b>						
Month Ended - Sept.	<b>Sep 16/15</b>		<b>% Chng</b>	<b>Jan - Sep 16/15</b>		<b>% Chng</b>
	68,229	77,778	-12.3%	538,118	689,741	-22.0%

## DOC Bituminous Coal Trade (000 Tons)

Exports:	August 16/15			Jan - August 16/15		
			% Chng			% Chng
Metallurgical	3,823	3,944	-3.1%	26,463	33,123	-20.1%
Steam *	1,158	2,418	-52.1%	9,865	19,875	-50.4%
Lignite	6	5	20.0%	46	41	12.2%
Anthracite	21	43	-51.2%	314	258	21.7%
<b>Total</b>	<b>5,008</b>	<b>6,410</b>	<b>-21.9%</b>	<b>36,688</b>	<b>53,297</b>	<b>-31.2%</b>
<b>Imports:</b>	<b>943</b>	<b>970</b>	<b>-2.8%</b>	<b>6,922</b>	<b>7,710</b>	<b>-10.2%</b>

	Week Ended			Cumulative Jan 1 to		
	10/22/16	10/24/15	% Chng	10/22/16	10/24/15	% Chng
<b>EI Electric Total Output (Mil. Kwh)</b>	72,602	69,427	4.6%	3,368,814	3,381,106	-0.4%
<b>EI Coal Region Output (Mil. Kwh)</b>	62,476	59,272	5.4%	2,905,110	2,912,392	-0.3%
<b>AISI Raw Steel Output (000 Tons)</b>	1,597	1,629	-2.0%	71,950	73,322	-1.9%

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

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	10/21/16	10/14/16	% Chng	Wed.	10/19/16
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$45.05	\$45.05	0.0%	Henry Hub	3.14
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	42.25	42.25	0.0%	New York	1.03
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	33.25	33.25	0.0%	Chicago	3.18
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	9.00	9.00	0.0%	Cal.Comp.Avg.	3.11
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



**NMA**  
THE AMERICAN RESOURCE

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

## EIA Estimated Weekly U.S. Coal Production Overview

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	10/22/2016	10/15/2016	10/24/2015	10/22/2016	10/22/2015	% Change	10/22/2016	10/24/2015	% Change
	(week 43)	(week 42)	(week 43)						
Alabama	169	173	199	7,579	11,451	-33.8	9,265	14,438	-35.8
Alaska	29	26	26	918	947	-3.1	1,141	1,190	-4.1
Arizona	109	105	116	4,336	5,788	-25.1	5,320	7,331	-27.4
Arkansas	1	1	2	49	78	-37.3	62	105	-41.0
Colorado	211	220	276	9,725	16,471	-41.0	12,055	20,660	-41.7
Illinois	945	945	1,013	37,405	47,377	-21.0	45,972	58,890	-21.9
Indiana	625	595	614	23,676	28,927	-18.2	28,872	36,344	-20.6
Kansas	4	3	5	91	159	-42.7	130	197	-34.0
<b>Kentucky Total</b>	<b>959</b>	<b>940</b>	<b>1,093</b>	<b>36,853</b>	<b>51,860</b>	<b>-28.9</b>	<b>46,101</b>	<b>65,438</b>	<b>-29.6</b>
Eastern (KY)	379	381	487	15,140	23,835	-36.5	19,259	30,176	-36.2
Western (KY)	580	559	606	21,713	28,024	-22.5	26,843	35,262	-23.9
Louisiana	68	68	65	2,504	2,873	-12.8	3,052	3,702	-17.6
Maryland	31	30	36	1,197	1,599	-25.1	1,503	1,960	-23.3
Mississippi	67	61	53	2,329	2,685	-13.2	2,773	3,231	-14.2
Missouri	3	2	1	143	126	13.2	155	176	-11.9
Montana	677	684	807	25,262	34,811	-27.4	32,089	44,353	-27.7
New Mexico	406	402	416	13,656	16,047	-14.9	17,171	19,714	-12.9
North Dakota	646	648	588	23,358	23,663	-1.3	28,333	29,281	-3.2
Ohio	330	308	313	11,763	14,308	-17.8	14,408	18,015	-20.0
Oklahoma	15	15	15	559	646	-13.5	689	802	-14.1
<b>Pennsylvania Total</b>	<b>954</b>	<b>926</b>	<b>932</b>	<b>36,255</b>	<b>43,021</b>	<b>-15.7</b>	<b>44,141</b>	<b>54,478</b>	<b>-19.0</b>
Anthracite (PA)	47	46	46	1,596	1,740	-8.3	1,985	2,133	-6.9
Bituminous (PA)	907	880	886	34,659	41,282	-16.0	42,156	52,345	-19.5
Tennessee	21	19	18	676	739	-8.5	829	922	-10.1
Texas	1,040	970	798	32,033	28,941	10.7	38,786	37,202	4.3
Utah	317	299	290	11,353	11,889	-4.5	13,802	15,218	-9.3
Virginia	302	285	280	10,710	11,637	-8.0	13,082	14,377	-9.0
<b>West Virginia Total</b>	<b>1,707</b>	<b>1,678</b>	<b>1,814</b>	<b>63,927</b>	<b>79,777</b>	<b>-19.9</b>	<b>79,275</b>	<b>99,613</b>	<b>-20.4</b>
Northern (WV)	1,006	973	1,014	34,666	38,926	-10.9	43,241	48,163	-10.2
Southern (WV)	700	705	801	29,261	40,851	-28.4	36,034	51,450	-30.0
Wyoming	6,829	6,623	7,755	233,204	308,008	-24.3	298,797	385,930	-22.6
<b>Appalachian Total</b>	<b>3,892</b>	<b>3,801</b>	<b>4,080</b>	<b>147,248</b>	<b>186,368</b>	<b>-21.0</b>	<b>181,762</b>	<b>233,979</b>	<b>-22.3</b>
<b>Interior Total</b>	<b>3,348</b>	<b>3,221</b>	<b>3,172</b>	<b>120,502</b>	<b>139,836</b>	<b>-13.8</b>	<b>147,334</b>	<b>175,910</b>	<b>-16.2</b>
<b>Western Total</b>	<b>9,222</b>	<b>9,008</b>	<b>10,273</b>	<b>321,812</b>	<b>417,624</b>	<b>-22.9</b>	<b>408,709</b>	<b>523,676</b>	<b>-22.0</b>
<b>East of Mississippi River</b>	<b>6,108</b>	<b>5,961</b>	<b>6,367</b>	<b>232,371</b>	<b>293,380</b>	<b>-20.8</b>	<b>286,222</b>	<b>367,705</b>	<b>-22.2</b>
<b>West of Mississippi River</b>	<b>10,353</b>	<b>10,069</b>	<b>11,159</b>	<b>357,192</b>	<b>450,448</b>	<b>-20.7</b>	<b>451,582</b>	<b>565,859</b>	<b>-20.2</b>
Bituminous and Lignite	16,415	15,984	17,480	587,967	742,088	-20.8	735,820	931,432	-21.0
Anthracite	47	46	46	1,596	1,740	-8.3	1,985	2,133	-6.9
<b>U.S. Total</b>	<b>16,462</b>	<b>16,030</b>	<b>17,526</b>	<b>589,563</b>	<b>743,828</b>	<b>-20.7</b>	<b>737,805</b>	<b>933,564</b>	<b>-21.0</b>
Railroad Cars Loaded	90,272	87,729	100,829	3,239,199	4,269,583	-24.1	4,095,223	5,381,099	-23.9

Source: Energy Information Administration

Prepared by EEI's Business Information Group

# WEEKLY ELECTRIC OUTPUT

Volume 84 No. 43

**OUTPUT FOR WEEK ENDED - Oct 22, 2016**

Oct 26, 2016

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Oct 22, 2016 was 72,602 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 188 on the weekly electric output index.

**WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION**

(48 CONTIGUOUS STATES)

	Week Ended October 22		52 Weeks Ended October 22	
	GWh Output	% Increase Over Corresponding Week of 2015	GWh Output	% Increase Over Corresponding Period of 2015
New England	2,152	-1.6	123,401	-3.7
Mid-Atlantic	7,678	3.5	432,973	-3.7
Central Industrial	11,723	1.9	673,748	-1.5
West Central	6,067	4.4	329,428	-0.9
Southeast	18,387	6.3	1,024,697	-0.4
South Central	13,519	10.8	710,479	-0.1
Rocky Mountain	5,102	1.3	276,715	0.0
Pacific Northwest	2,694	1.6	152,473	0.3
Pacific Southwest	5,280	-0.7	283,181	-0.4
Total United States	72,602	4.6	4,007,095	-1.0

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

Week Ended	2016	Week Ended	2015	% Inc. (16/15)	52 Weeks Ended	2016	% Inc. (16/15)
Oct 01	72,986	Oct 03	73,695	-1.0	Oct 01	4,003,916	-1.0
Oct 08	72,741	Oct 10	71,102	2.3	Oct 08	4,005,556	-1.0
Oct 15	70,015	Oct 17	71,651	-2.3	Oct 15	4,003,920	-1.1
Oct 22	72,602	Oct 24	69,427	4.6	Oct 22	4,007,096	-1.0
Oct 22	3,368,814	Oct 24	3,381,106	-0.4	YEAR TO DATE, FIRST 43 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2016	Week Ended	2015	Week Ended	2014
Oct 01	180	Oct 03	175	Oct 04	174
Oct 08	185	Oct 10	161	Oct 11	184
Oct 15	179	Oct 17	165	Oct 18	179
Oct 22	188	Oct 24	159	Oct 25	176

\* 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		
	22-Oct 2016 GWh Output	24-Oct 2015 GWh Output	% Increase Over Corresponding Week of 2015	22-Oct 2016 GWh Output	24-Oct 2015 GWh Output	% Increase Over Corresponding Week of 2015	22-Oct 2016 GWh Output	24-Oct 2015 GWh Output	% Increase Over Corresponding Week of 2015
<b>New England</b>	2,152	2,188	-1.6%	<b>103,236</b>	<b>106,729</b>	<b>-3.3%</b>	123,401	128,169	-3.7%
<b>Mid-Atlantic</b>	7,678	7,420	3.5%	<b>364,477</b>	<b>375,862</b>	<b>-3.0%</b>	432,973	449,531	-3.7%
<b>Central Industrial</b>	11,723	11,499	1.9%	<b>564,371</b>	<b>564,938</b>	<b>-0.1%</b>	673,748	683,907	-1.5%
<b>West Central</b>	6,067	5,810	4.4%	<b>276,014</b>	<b>276,421</b>	<b>-0.1%</b>	329,428	332,579	-0.9%
<b>Southeast</b>	18,387	17,299	6.3%	<b>865,948</b>	<b>862,020</b>	<b>0.5%</b>	1,024,697	1,029,183	-0.4%
<b>South Central</b>	13,519	12,207	10.7%	<b>605,368</b>	<b>604,116</b>	<b>0.2%</b>	710,479	711,221	-0.1%
<b>Rocky Mountain</b>	5,102	5,037	1.3%	<b>228,932</b>	<b>229,035</b>	<b>0.0%</b>	276,715	276,581	0.0%
<b>Pacific Northwest</b>	2,694	2,651	1.6%	<b>122,994</b>	<b>122,671</b>	<b>0.3%</b>	152,473	152,002	0.3%
<b>Pacific Southwest</b>	5,280	5,316	-0.7%	<b>237,473</b>	<b>239,317</b>	<b>-0.8%</b>	283,181	284,270	-0.4%
<b>Total United States <sup>1/</sup></b>	<u>72,602</u>	<u>69,427</u>	4.6%	<u><b>3,368,813</b></u>	<u><b>3,381,109</b></u>	<b>-0.4%</b>	4,007,095	4,047,443	-1.0%
<b>Coal Regions Only <sup>2/</sup></b>	62,476	59,272	5.4%	<b>2,905,110</b>	<b>2,912,392</b>	<b>-0.3%</b>	3,448,040	3,483,002	-1.0%

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  
 25 Massachusetts Avenue, NW, Suite 800  
 Washington, D.C. 20001

October 24, 2016

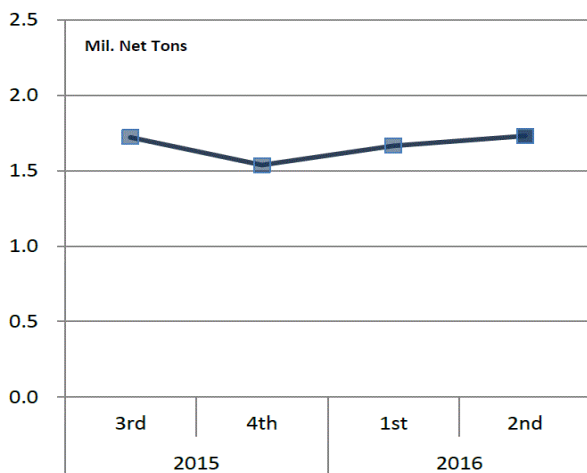
**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

<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 Oct. 22</u>	<u>Week Ending Oct. 15</u>	
<b><u>Week Ending</u></b>				North East	187	190
				Great Lakes	632	656
October 22, 2016	1,597	0.4	67.3	Midwest	150	162
October 22, 2015	1,629	-2.0	68.1	Southern	556	511
October 15, 2016	1,590	0.3	67.0	Western	<u>72</u>	<u>71</u>
				Total	1,597	1,590
<b><u>Year-to-Date +</u></b>						
October 22, 2016	71,950	-1.9	71.5			
October 22, 2015	73,322	-	71.7			

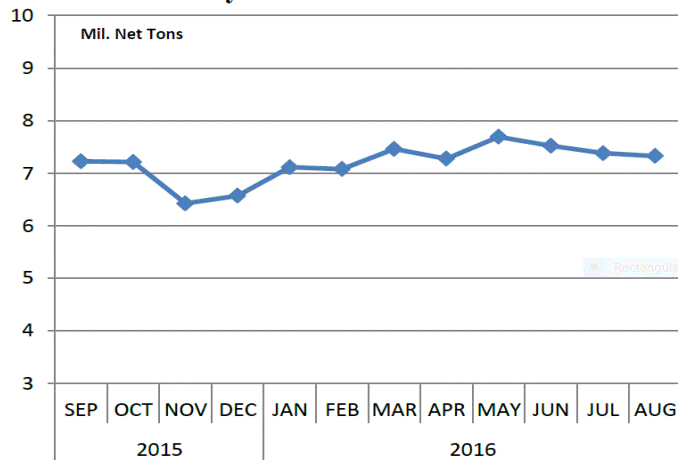
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

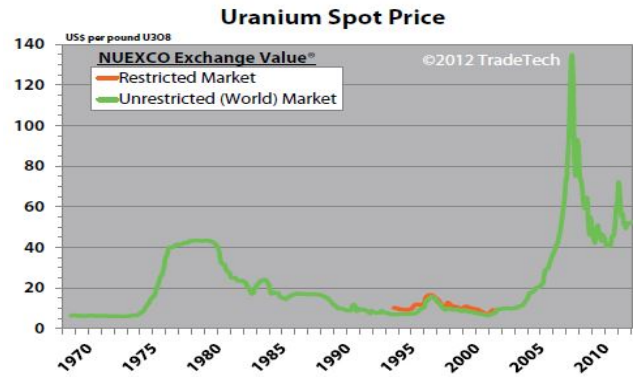
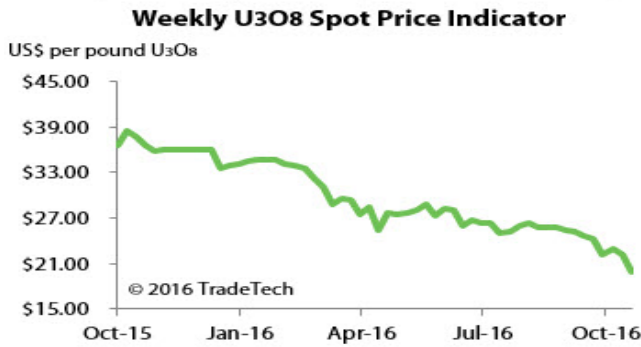


Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)



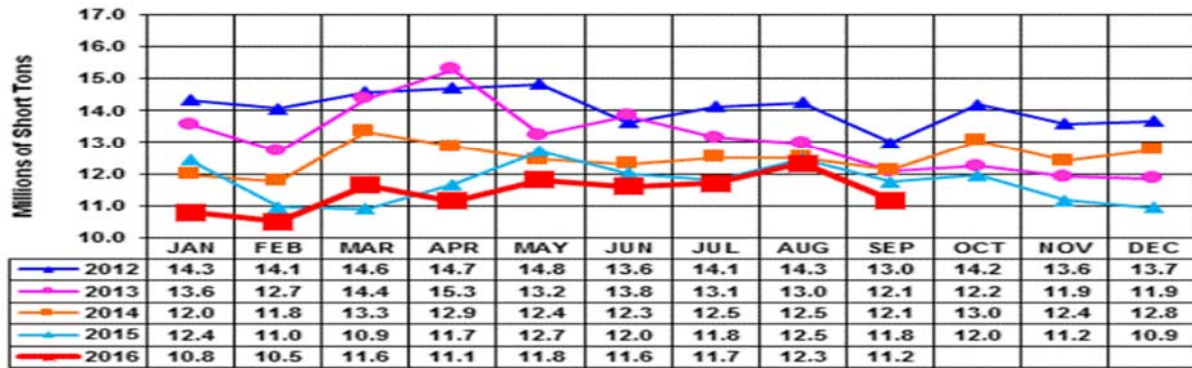
Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)

### 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



Source: The New York Mercantile Exchange (NYMEX), Daily Energy Bulletin.

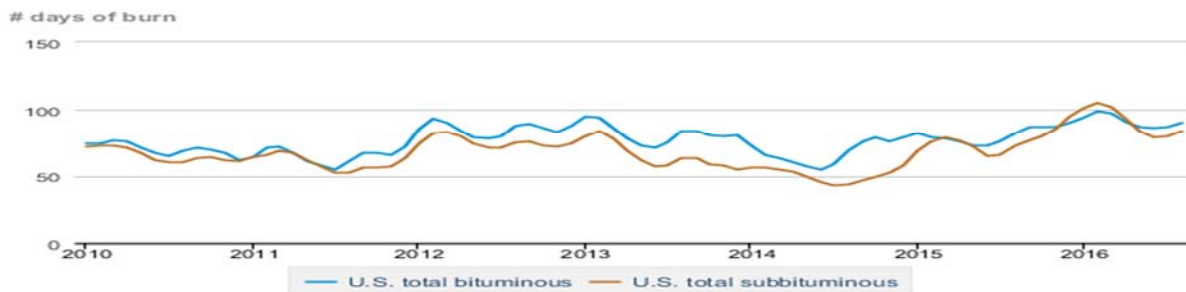
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

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

	Week ending					Week ago
	09/23/16	09/30/16	10/07/16	10/14/16	10/21/16	change
Central Appalachia <i>12,500 Btu, 1.2 SO<sub>2</sub></i>	\$40.20	\$40.20	\$39.55	\$45.05	\$45.05	\$0.00
Northern Appalachia <i>13,000 Btu, &lt; 3.0 SO<sub>2</sub></i>	\$41.45	\$41.45	\$40.75	\$42.25	\$42.25	\$0.00
Illinois Basin <i>11,800 Btu, 5.0 SO<sub>2</sub></i>	\$32.00	\$32.00	\$33.25	\$33.25	\$33.25	\$0.00
Powder River Basin <i>8,800 Btu, 0.8 SO<sub>2</sub></i>	\$8.25	\$8.25	\$8.25	\$9.00	\$9.00	\$0.00
Uinta Basin <i>11,700 Btu, 0.8 SO<sub>2</sub></i>	\$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 - August 2016



 Source: U.S. Energy Information Administration

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

### Temperature -- heating & cooling degree days (week ending Oct 13)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	35	-53	-28	1	1	1
Middle Atlantic	48	-29	-2	0	-2	0
E N Central	44	-36	-12	3	1	3
W N Central	73	-4	23	1	-3	-3
South Atlantic	16	-23	-6	41	9	9
E S Central	11	-26	-10	27	11	10
W S Central	5	-7	2	53	16	-12
Mountain	57	-20	29	18	2	-12
Pacific	12	-16	6	16	5	-41
United States	34	-23	0	19	4	-6

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)



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	August 2016		August 2015		% Change of Stocks	July 2016		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	5,285	98	5,938	100	-11.0%	6,320	115	-16.4%
	Subbituminous	153	131	780	216	-80.4%	163	134	-6.3%
South	Bituminous	28,550	86	30,155	82	-5.3%	30,996	81	-7.9%
	Subbituminous	5,899	67	5,504	61	7.2%	6,510	69	-9.4%
Midwest	Bituminous	16,831	99	14,764	82	14.0%	17,322	92	-2.8%
	Subbituminous	40,679	82	36,662	67	11.0%	42,951	78	-5.3%
West	Bituminous	5,715	79	5,231	69	9.3%	5,689	75	0.5%
	Subbituminous	31,529	92	30,888	84	2.1%	33,520	85	-5.9%
U.S. Total	Bituminous	56,382	90	56,088	82	0.5%	60,327	87	-6.5%
	Subbituminous	78,259	84	73,833	73	6.0%	83,144	80	-5.9%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

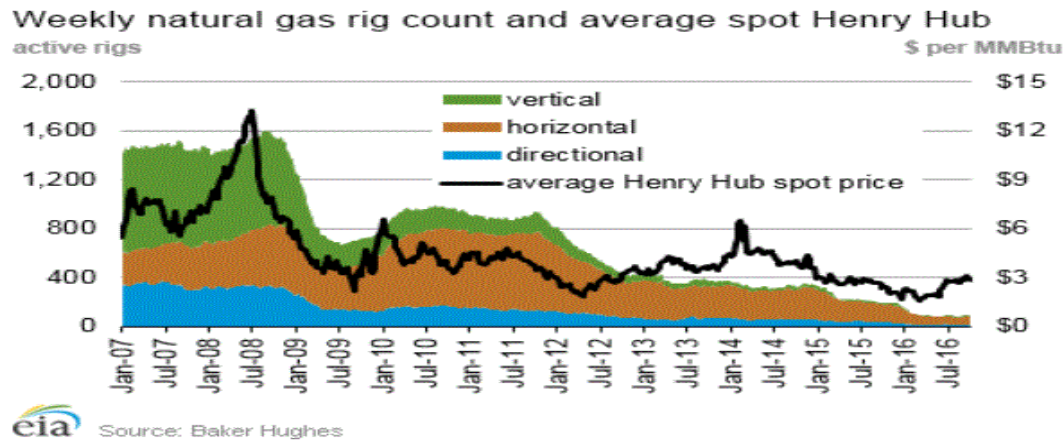
### EIA Working Natural Gas Underground Storage

#### Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2016-10-14	2016-10-07	change
East	925	913	12
Midwest	1,093	1,071	22
Mountain	243	240	3
Pacific	325	323	2
South Central	1,250	1,212	38
<b>Total</b>	<b>3,836</b>	<b>3,759</b>	<b>77</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		
	October 2016	November 2016	change	October 2016	November 2016	change
Bakken	900	923	23	1,247	1,293	46
Eagle Ford	1,185	1,201	16	3,476	3,542	66
Haynesville	31	31	-	5,852	5,906	54
Marcellus	69	69	-	11,941	12,114	173
Niobrara	1,026	1,053	27	3,255	3,349	94
Permian	580	585	5	981	989	8
Utica	362	370	8	7,951	8,050	99
Rig-weighted average	630	632	2	2,791	2,950	159

Source: Energy Information Administration, *Drilling Productivity Report*