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National Mining Association

# Weekly Statistical Summary

September 9, 2016 Edition  
(Data for Week Ending August 3, 2016)

Prepared by  
National Mining Association



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# NMA Weekly Statistical Summary

Vol. 54, No. 36  
Dated 09/09/16

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	09/03/16	09/05/15	% Chng	09/03/16	09/03/15	% Chng
<b>EIA Coal Production (000 Tons):</b>						
Week Ended/Year to Date	16,111	19,000	-15.2%	469,982	620,512	-24.3%
52 Weeks Ended	741,127	946,624	-21.7%			
AAR Coal Rail Cars Loaded:	90,575	108,208	-16.3%	2,614,142	3,561,417	-26.6%
Coal Production	<b>Aug 16/15</b>		<b>% Chng</b>	<b>Jan - Aug 16/15</b>		<b>% Chng</b>
Month Ended - August	71,258	82,682	-13.8%	455,160	611,962	-25.6%
<b>DOC Bituminous Coal Trade (000 Tons)</b>						
<b>Exports:</b>	<b>July 16/15</b>		<b>% Chng</b>	<b>Jan - July 16/15</b>		<b>% Chng</b>
Metallurgical	2,425	2,933	-17.3%	22,640	29,179	-22.4%
Steam *	844	2,178	-61.2%	8,707	17,456	-50.1%
Lignite	6	5	20.0%	40	36	11.1%
Anthracite	5	5	0.0%	293	215	36.3%
<b>Total</b>	<b>3,280</b>	<b>5,121</b>	<b>-36.0%</b>	<b>31,680</b>	<b>46,886</b>	<b>-32.4%</b>
<b>Imports:</b>	990	1,091	-9.3%	5,979	6,740	-11.3%
	Week Ended			Cumulative Jan 1 to		
	09/03/16	09/05/15	% Chng	09/03/16	09/05/15	% Chng
<b>EEl Electric Total Output (Mil. Kwh)</b>	84,357	86,817	-2.8%	2,832,577	2,857,050	-0.9%
<b>EEl Coal Region Output (Mil. Kwh)</b>	73,019	75,567	-3.4%	2,441,862	2,464,838	-0.9%
<b>AISI Raw Steel Output (000 Tons)</b>	1,656	1,709	-3.1%	60,919	61,688	-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)	
	09/02/16	08/26/16	% Chng	Wed.	08/31/16
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$41.10	\$41.10	0.0%	Henry Hub	2.94
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	42.35	42.35	0.0%	New York	1.39
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	32.00	32.00	0.0%	Chicago	2.90
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	8.70	8.70	0.0%	Cal.Comp.Avg.	2.99
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



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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		
	9/3/2016 (week 36)	8/27/2016 (week 35)	9/5/2015 (week 36)	9/3/2016	9/3/2015	% Change	9/3/2016	9/5/2015	% Change
Alabama	191	180	261	6,222	9,884	-37.0	9,457	15,119	-37.4
Alaska	23	21	20	728	791	-7.9	1,109	1,218	-8.9
Arizona	115	114	141	3,544	4,914	-27.9	5,395	7,595	-29.0
Arkansas	2	2	2	42	66	-36.4	67	108	-38.0
Colorado	285	292	423	7,967	14,079	-43.4	12,648	21,568	-41.4
Illinois	934	928	1,122	29,311	40,164	-27.0	45,060	59,790	-24.6
Indiana	597	601	721	18,533	24,405	-24.1	28,222	37,127	-24.0
Kansas	4	5	3	107	132	-19.4	173	185	-6.5
<b>Kentucky Total</b>	<b>1,003</b>	<b>1,003</b>	<b>1,265</b>	<b>30,302</b>	<b>43,875</b>	<b>-30.9</b>	<b>47,488</b>	<b>67,666</b>	<b>-29.8</b>
Eastern (KY)	429	428	567	12,780	20,265	-36.9	20,446	31,502	-35.1
Western (KY)	573	575	698	17,523	23,609	-25.8	27,042	36,164	-25.2
Louisiana	74	79	98	1,970	2,314	-14.9	3,067	3,735	-17.9
Maryland	32	31	35	1,065	1,359	-21.6	1,611	1,984	-18.8
Mississippi	62	64	74	1,903	2,253	-15.5	2,774	3,285	-15.6
Missouri	2	2	3	81	110	-26.5	108	210	-48.6
Montana	750	761	931	21,242	28,929	-26.6	33,917	45,095	-24.8
New Mexico	452	452	449	12,024	13,128	-8.4	18,449	19,573	-5.7
North Dakota	594	604	609	18,008	19,628	-8.3	27,011	29,097	-7.2
Ohio	284	286	351	9,108	12,064	-24.5	13,987	18,558	-24.6
Oklahoma	14	14	15	432	545	-20.7	663	813	-18.5
<b>Pennsylvania Total</b>	<b>922</b>	<b>944</b>	<b>1,164</b>	<b>27,165</b>	<b>35,902</b>	<b>-24.3</b>	<b>42,106</b>	<b>55,618</b>	<b>-24.3</b>
Anthracite (PA)	47	48	48	1,301	1,423	-8.6	2,006	2,096	-4.3
Bituminous (PA)	874	896	1,116	25,865	34,479	-25.0	40,100	53,523	-25.1
Tennessee	20	20	20	560	611	-8.4	840	919	-8.6
Texas	781	801	876	22,554	23,285	-3.1	34,942	37,734	-7.4
Utah	267	266	305	8,415	9,885	-14.9	12,864	15,608	-17.6
Virginia	259	255	273	7,969	9,777	-18.5	12,203	14,485	-15.8
<b>West Virginia Total</b>	<b>1,602</b>	<b>1,564</b>	<b>1,870</b>	<b>49,436</b>	<b>67,364</b>	<b>-26.6</b>	<b>77,181</b>	<b>101,856</b>	<b>-24.2</b>
Northern (WV)	874	859	915	26,482	32,464	-18.4	41,546	48,153	-13.7
Southern (WV)	728	705	955	22,954	34,899	-34.2	35,635	53,703	-33.6
Wyoming	6,845	6,987	7,966	191,293	255,049	-25.0	309,785	387,678	-20.1
<b>Appalachian Total</b>	<b>3,739</b>	<b>3,708</b>	<b>4,542</b>	<b>114,305</b>	<b>157,226</b>	<b>-27.3</b>	<b>177,832</b>	<b>240,041</b>	<b>-25.9</b>
<b>Interior Total</b>	<b>3,042</b>	<b>3,070</b>	<b>3,613</b>	<b>92,456</b>	<b>116,883</b>	<b>-20.9</b>	<b>142,117</b>	<b>179,151</b>	<b>-20.7</b>
<b>Western Total</b>	<b>9,330</b>	<b>9,499</b>	<b>10,845</b>	<b>263,221</b>	<b>346,403</b>	<b>-24.0</b>	<b>421,179</b>	<b>527,433</b>	<b>-20.1</b>
<b>East of Mississippi River</b>	<b>5,905</b>	<b>5,875</b>	<b>7,156</b>	<b>181,575</b>	<b>247,656</b>	<b>-26.7</b>	<b>280,929</b>	<b>376,407</b>	<b>-25.4</b>
<b>West of Mississippi River</b>	<b>10,206</b>	<b>10,401</b>	<b>11,843</b>	<b>288,407</b>	<b>372,856</b>	<b>-22.6</b>	<b>460,198</b>	<b>570,217</b>	<b>-19.3</b>
Bituminous and Lignite	16,064	16,228	18,952	468,681	619,089	-24.3	739,121	944,529	-21.7
Anthracite	47	48	48	1,301	1,423	-8.6	2,006	2,096	-4.3
<b>U.S. Total</b>	<b>16,111</b>	<b>16,276</b>	<b>19,000</b>	<b>469,982</b>	<b>620,512</b>	<b>-24.3</b>	<b>741,127</b>	<b>946,624</b>	<b>-21.7</b>
Railroad Cars Loaded	90,575	91,469	108,208	2,614,142	3,561,417	-26.6	4,176,268	5,467,406	-23.6

Source: Energy Information Administration

Prepared by EEI's Business Information Group

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

Volume 84 No. 36

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

Sep 08, 2016

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Sep 03, 2016 was 84,357 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 180 on the weekly electric output index.

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

	Week Ended September 03		52 Weeks Ended September 03	
	GWh Output	% Increase Over Corresponding Week of 2015	GWh Output	% Increase Over Corresponding Period of 2015
New England	2,618	-6.8	123,749	-3.1
Mid-Atlantic	9,185	-9.8	432,079	-3.5
Central Industrial	13,616	-7.0	671,439	-1.5
West Central	6,917	-7.3	329,119	-0.5
Southeast	21,731	1.4	1,015,834	-1.2
South Central	15,870	-1.6	705,293	-0.4
Rocky Mountain	5,700	-0.4	278,581	1.2
Pacific Northwest	2,530	4.0	152,499	0.3
Pacific Southwest	6,190	3.1	286,323	1.2
Total United States	84,357	-2.8	3,994,915	-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)
Aug 13	93,832	Aug 15	88,044	6.6	Aug 13	3,991,500	-1.1
Aug 20	90,103	Aug 22	87,622	2.8	Aug 20	3,993,980	-1.1
Aug 27	86,862	Aug 29	83,468	4.1	Aug 27	3,997,375	-0.9
Sep 03	84,357	Sep 05	86,817	-2.8	Sep 03	3,994,915	-1.0
Sep 03	2,832,577	Sep 05	2,857,050	-0.9	YEAR TO DATE, FIRST 36 WEEKS		

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

Week Ended	2016	Week Ended	2015	Week Ended	2014
Aug 13	189	Aug 15	203	Aug 16	168
Aug 20	181	Aug 22	207	Aug 23	176
Aug 27	178	Aug 29	201	Aug 30	179
Sep 03	180	Sep 05	217	Sep 06	185

\* Excludes Alaska and Hawaii.

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

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

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	3-Sep 2016 GWh Output	5-Sep 2015 GWh Output	% Increase Over Corresponding Week of 2015	3-Sep 2016 GWh Output	5-Sep 2015 GWh Output	% Increase Over Corresponding Week of 2015	3-Sep 2016 GWh Output	5-Sep 2015 GWh Output	% Increase Over Corresponding Week of 2015
<b>New England</b>	2,618	2,810	-6.8%	<b>87,479</b>	<b>90,623</b>	<b>-3.5%</b>	123,749	127,713	-3.1%
<b>Mid-Atlantic</b>	9,185	10,184	-9.8%	<b>308,076</b>	<b>320,355</b>	<b>-3.8%</b>	432,079	447,902	-3.5%
<b>Central Industrial</b>	13,616	14,635	-7.0%	<b>478,473</b>	<b>481,349</b>	<b>-0.6%</b>	671,439	681,861	-1.5%
<b>West Central</b>	6,917	7,465	-7.3%	<b>232,840</b>	<b>233,556</b>	<b>-0.3%</b>	329,119	330,668	-0.5%
<b>Southeast</b>	21,731	21,425	1.4%	<b>727,246</b>	<b>732,182</b>	<b>-0.7%</b>	1,015,834	1,028,024	-1.2%
<b>South Central</b>	15,870	16,134	-1.6%	<b>503,472</b>	<b>507,405</b>	<b>-0.8%</b>	705,293	707,797	-0.4%
<b>Rocky Mountain</b>	5,700	5,724	-0.4%	<b>191,755</b>	<b>189,991</b>	<b>0.9%</b>	278,581	275,409	1.2%
<b>Pacific Northwest</b>	2,530	2,434	3.9%	<b>104,943</b>	<b>104,594</b>	<b>0.3%</b>	152,499	152,079	0.3%
<b>Pacific Southwest</b>	6,190	6,006	3.1%	<b>198,293</b>	<b>196,997</b>	<b>0.7%</b>	286,323	282,992	1.2%
<b>Total United States <sup>1/</sup></b>	<u>84,357</u>	<u>86,817</u>	-2.8%	<u><b>2,832,577</b></u>	<u><b>2,857,052</b></u>	<b>-0.9%</b>	3,994,916	4,034,445	-1.0%
<b>Coal Regions Only <sup>2/</sup></b>	73,019	75,567	-3.4%	<b>2,441,862</b>	<b>2,464,838</b>	<b>-0.9%</b>	3,432,345	3,471,661	-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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September 6, 2016

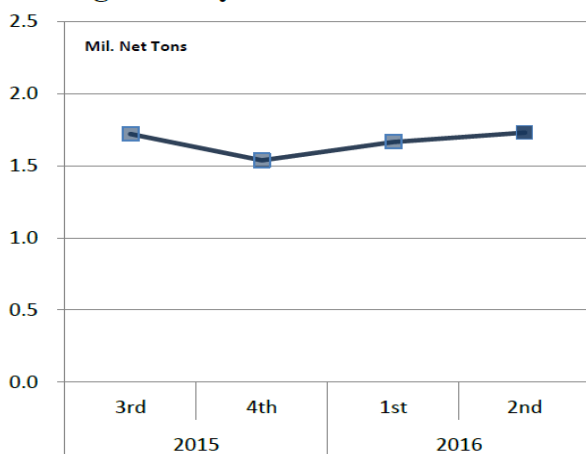
**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

<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 Sep. 3</u>	<u>Week Ending Aug. 27</u>	
<b><u>Week Ending</u></b>				North East	205	204
				Great Lakes	648	652
September 3, 2016	1,656	-0.9	70.8	Midwest	161	159
September 3, 2015	1,709	-3.1	71.5	Southern	570	553
August 27, 2016	1,642	-0.8	70.2	Western	72	74
				<b>Total</b>	<b>1,656</b>	<b>1,642</b>
<b><u>Year-to-Date +</u></b>						
September 3, 2016	60,919	-1.2	72.4			
September 3, 2015	61,688	-	72.3			

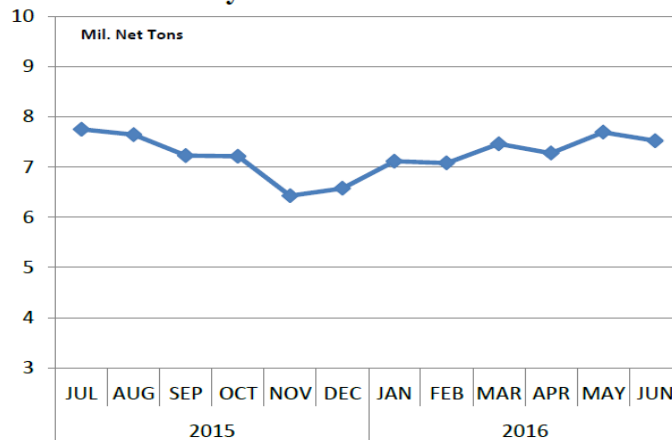
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 third quarter 2016 is approximately 30.7 million net tons vs. 31.4 million net tons for the same period last year, and 30.4 million tons for the second 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)

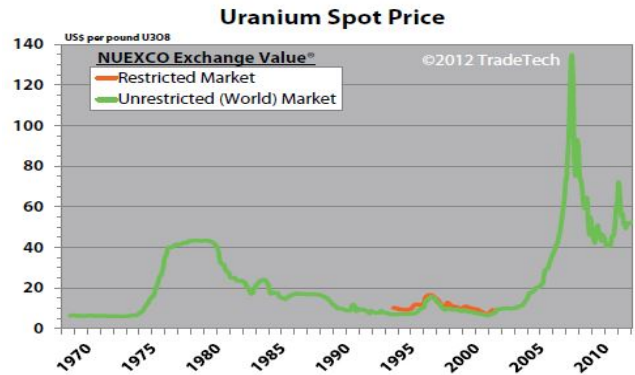
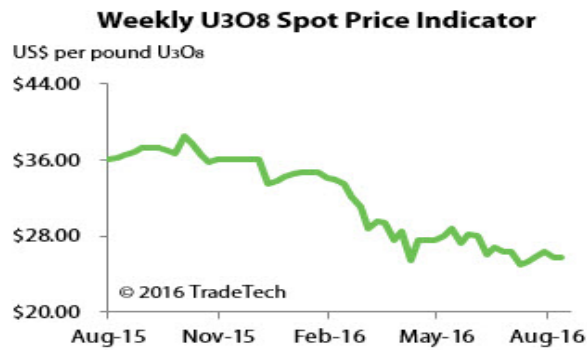


Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)



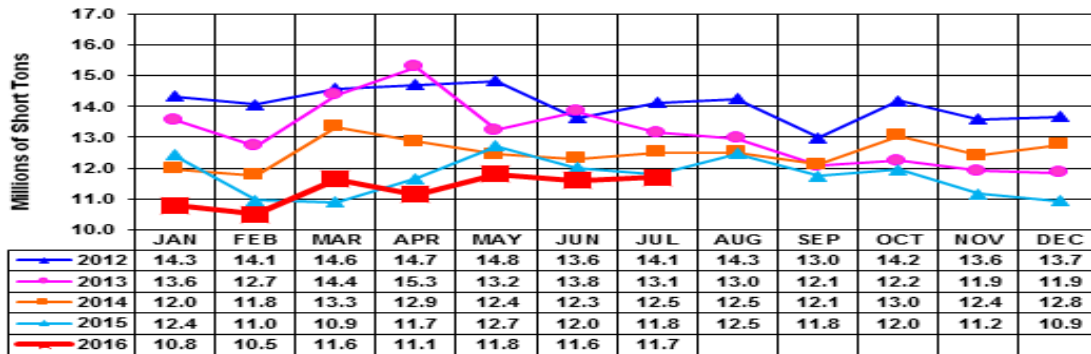
Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)

### Trade Tech's Uranium Price Indicators



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

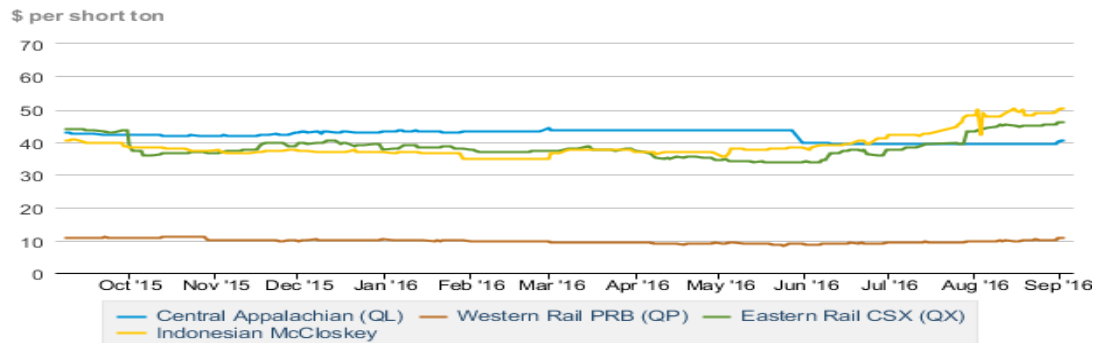
### Coal and Coke Monthly Indicator for Internal U.S. Waterways



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.

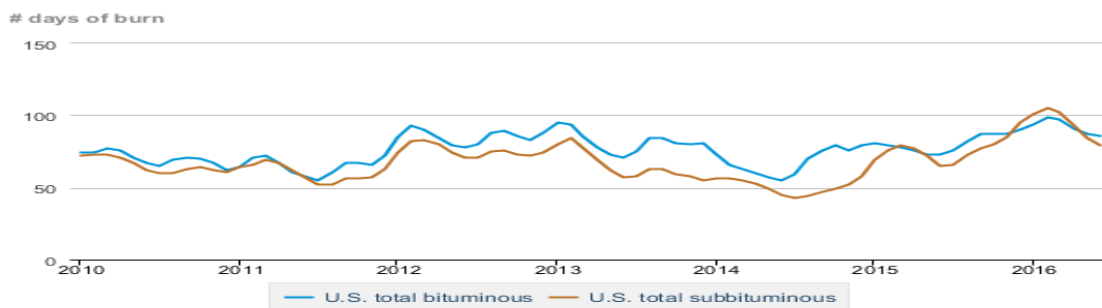
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

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

	Week ending					Week ago change
	08/05/16	08/12/16	08/19/16	08/26/16	09/02/16	
Central Appalachia <i>12,500 Btu, 1.2 SO<sub>2</sub></i>	\$41.10	\$41.10	\$41.10	\$41.10	\$41.10	\$0.00
Northern Appalachia <i>13,000 Btu, &lt; 3.0 SO<sub>2</sub></i>	\$42.35	\$42.35	\$42.35	\$42.35	\$42.35	\$0.00
Illinois Basin <i>11,800 Btu, 5.0 SO<sub>2</sub></i>	\$32.00	\$32.00	\$32.00	\$32.00	\$32.00	\$0.00
Powder River Basin <i>8,800 Btu, 0.8 SO<sub>2</sub></i>	\$8.70	\$8.70	\$8.70	\$8.70	\$8.70	\$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 - June 2016



Source: U.S. Energy Information Administration

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

Region	Temperature -- heating & cooling degree days (week ending Aug 25)					
	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	0	-5	0	55	28	-1
Middle Atlantic	0	-3	-2	61	21	14
E N Central	2	-4	-17	49	10	39
W N Central	5	-3	-16	45	-7	25
South Atlantic	0	-1	0	107	22	13
E S Central	0	0	-2	93	12	28
W S Central	0	0	0	111	-5	2
Mountain	9	-2	5	66	0	-9
Pacific	0	-5	0	62	20	1
United States	2	-3	-5	74	12	14

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 - 1st Quarter	2015 Year to Date - 1st Quarter	Percent Change
Aluminum, secondary (000 Mt.)	226.0	191.0	18%
Cement (Mil. Mt.)	17.0	14.9	14%
Copper (000 Mt.)	355.0	336.0	6%
Gold (Mt.)	49.7	48.2	3%
Gypsum (Mil. Mt.)	4.1	3.4	21%
Iron Ore (Mil. Mt.)	9.0	13.0	-31%
Lead (000 Mt.)	82.6	93.8	-12%
Molybdenum (000 Mt.)	6.4	13.8	-54%
Phosphate rock (Mil. Mt.)	6.1	6.2	-2%
Sand & gravel, construction (Mil. Mt.)	173.0	157.0	10%
Silver (Mt.)	277.0	283.0	-2%
Soda ash (Mil. Mt.)	2.9	2.9	0%
Stone, crushed (Mil. Mt.)	270.0	224.0	21%
Zinc (000 Mt.)	166.0	203.0	-18%

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: 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	June 2016		June 2015		% Change of Stocks	May 2016		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	7,043	119	6,937	99	1.5%	7,439	115	-5.3%
	Subbituminous	171	157	806	229	-78.8%	171	184	0.0%
South	Bituminous	35,292	82	33,382	71	5.7%	37,894	84	-6.9%
	Subbituminous	7,180	74	6,457	68	11.2%	7,959	82	-9.8%
Midwest	Bituminous	18,434	91	15,778	73	16.8%	18,853	92	-2.2%
	Subbituminous	45,364	76	38,839	58	16.8%	47,382	80	-4.3%
West	Bituminous	5,862	75	5,583	69	5.0%	5,861	76	0.0%
	Subbituminous	36,200	83	32,908	74	10.0%	39,169	90	-7.6%
U.S. Total	Bituminous	66,631	86	61,680	73	8.0%	70,047	87	-4.9%
	Subbituminous	88,915	79	79,011	65	12.5%	94,681	84	-6.1%

Source: Energy Information Administration, *Electricity Monthly Update*

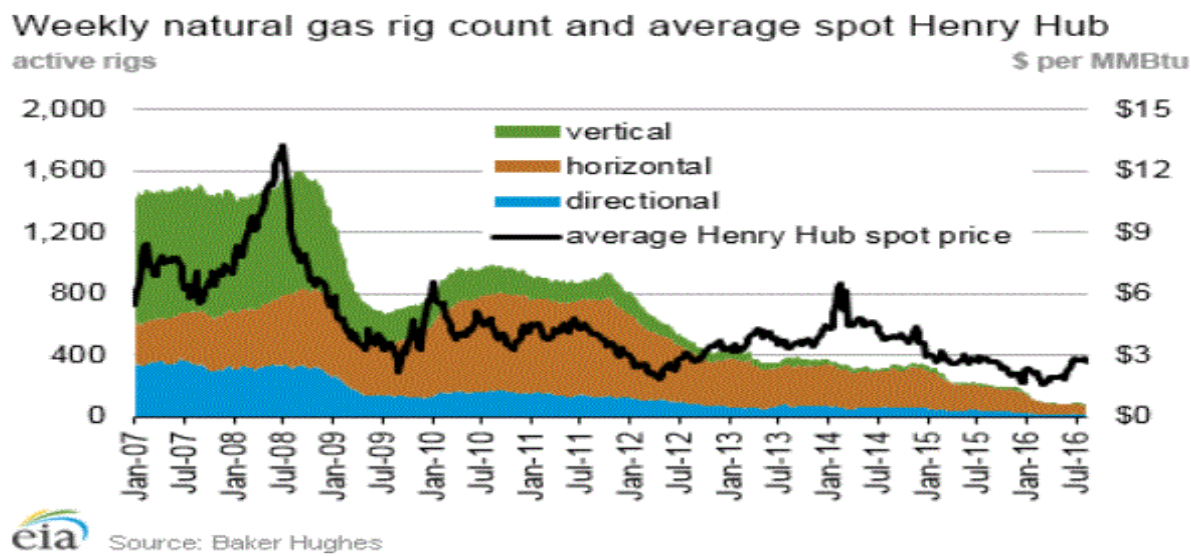
### EIA Working Natural Gas Underground Storage

#### Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2016-08-19	2016-08-12	change
East	775	763	12
Midwest	875	861	14
Mountain	219	217	2
Pacific	310	313	-3
South Central	1,171	1,185	-14
<b>Total</b>	<b>3,350</b>	<b>3,339</b>	<b>11</b>

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		
	August 2016	September 2016	change	August 2016	September 2016	change
Bakken	857	875	18	1,149	1,189	40
Eagle Ford	1,076	1,089	13	3,194	3,232	38
Haynesville	31	31	-	5,573	5,639	66
Marcellus	69	69	-	11,353	11,503	150
Niobrara	961	982	21	3,004	3,080	76
Permian	520	522	2	895	895	-
Utica	351	360	9	7,547	7,659	112
<b>Rig-weighted average</b>	<b>560</b>	<b>578</b>	<b>18</b>	<b>2,859</b>	<b>2,767</b>	<b>(92)</b>

Source: Energy Information Administration, *Drilling Productivity Report*