
National Mining Association

Weekly Statistical Summary

July 22, 2016 Edition
(Data for Week Ending July 16, 2016)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 54, No. 29
Dated 07/22/16

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	07/16/16	07/18/15	% Chng	07/16/16	07/16/15	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,141	17,574	-13.8%	358,792	489,054	-26.6%
52 Weeks Ended	760,753	952,846	-20.2%			
AAR Coal Rail Cars Loaded:	84,272	99,975	-15.7%	1,990,276	2,820,642	-29.4%
Coal Production Month Ended - June	Jun 16/15		% Chng	Jan - Jun 16/15		% Chng
	57,028	66,484	-14.2%	318,814	451,318	-29.4%
DOC Bituminous Coal Trade (000 Tons)						
Exports:	May 16/15		% Chng	Jan - May 16/15		% Chng
Metallurgical	3,275	4,550	-28.0%	16,792	22,294	-24.7%
Steam *	928	2,205	-57.9%	5,903	13,483	-56.2%
Lignite	5	5	0.0%	28	25	12.0%
Anthracite	4	4	0.0%	242	172	40.7%
Total	4,212	6,764	-37.7%	22,965	35,974	-36.2%
Imports:	910	919	-1.0%	4,348	4,807	-9.5%
	Week Ended			Cumulative Jan 1 to		
	07/16/16	07/18/15	% Chng	07/16/16	07/18/15	% Chng
EI Electric Total Output (Mil. Kwh)	91,030	88,003	3.4%	2,193,388	2,238,716	-2.0%
EI Coal Region Output (Mil. Kwh)	79,365	76,494	3.8%	1,887,414	1,929,683	-2.2%
AISI Raw Steel Output (000 Tons)	1,746	1,750	-0.2%	49,200	49,573	-0.8%

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

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	07/15/16	07/08/16	% Chng	Wed.	07/13/16
Central App, 12,500 Btu, 1.2 SO ₂	\$41.10	\$41.10	0.0%	Henry Hub	2.81
Northern App, 13,000 Btu, < 3.0 SO ₂	43.35	43.35	0.0%	New York	2.29
Illinois Basin, 11,800, 5.0 SO ₂	32.00	32.00	0.0%	Chicago	2.76
Powder River Basin, 8,800 Btu 0.8 SO ₂	8.70	8.70	0.0%	Cal.Comp.Avg.	2.81
Uinta Basin, 11,700 Btu, 0.8 SO ₂	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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National Mining Association Web Site: [http:// www.nma.org](http://www.nma.org)

EIA Estimated Weekly U.S. Coal Production Overview									
	Week Ended			Year to Date			52 Weeks Ended		
Coal-Producing Region & State (thousand short tons)	7/16/2016 (week 29)	7/9/2016 (week 28)	7/18/2015 (week 29)	7/16/2016	7/16/2015	% Change	7/16/2016	7/18/2015	% Change
Alabama	164	150	237	4,942	8,050	-38.6	9,860	15,622	-36.9
Alaska	20	20	19	570	651	-12.4	1,107	1,279	-13.4
Arizona	106	88	131	2,765	3,947	-30.0	5,585	7,796	-28.4
Arkansas	1	1	2	31	52	-39.8	70	103	-32.0
Colorado	264	206	379	6,058	11,156	-45.7	13,518	22,188	-39.1
Illinois	864	750	1,036	22,895	32,403	-29.3	46,347	60,028	-22.8
Indiana	566	474	676	14,421	19,491	-26.0	29,170	37,503	-22.2
Kansas	4	3	3	77	109	-29.6	166	165	0.6
Kentucky Total	933	788	1,169	23,442	35,135	-33.3	49,343	69,639	-29.1
Eastern (KY)	399	337	524	9,845	16,204	-39.2	21,433	32,698	-34.5
Western (KY)	534	451	645	13,597	18,931	-28.2	27,909	36,941	-24.4
Louisiana	73	57	91	1,459	1,640	-11.1	3,232	3,636	-11.1
Maryland	35	37	33	819	1,118	-26.7	1,841	2,017	-8.7
Mississippi	59	47	68	1,479	1,745	-15.2	2,858	3,357	-14.9
Missouri	2	1	3	68	87	-22.3	118	253	-53.4
Montana	708	598	860	16,068	22,556	-28.8	35,135	45,123	-22.1
New Mexico	416	358	415	8,931	9,715	-8.1	18,441	19,125	-3.6
North Dakota	562	477	563	13,898	15,458	-10.1	27,084	28,647	-5.5
Ohio	264	225	324	7,156	9,814	-27.1	14,446	19,238	-24.9
Oklahoma	13	11	14	335	442	-24.2	669	828	-19.2
Pennsylvania Total	877	723	1,078	20,821	28,025	-25.7	43,764	55,997	-21.8
Anthracite (PA)	45	40	47	969	1,088	-10.9	2,012	2,045	-1.6
Bituminous (PA)	832	683	1,031	19,851	26,937	-26.3	41,752	53,952	-22.6
Tennessee	16	14	15	431	470	-8.2	815	896	-9.0
Texas	733	629	809	17,152	16,395	4.6	35,555	37,348	-4.8
Utah	272	229	312	6,513	7,864	-17.2	13,387	16,015	-16.4
Virginia	234	208	250	6,194	7,802	-20.6	12,204	14,517	-15.9
West Virginia Total	1,456	1,317	1,727	38,406	54,414	-29.4	78,980	104,174	-24.2
Northern (WV)	801	735	845	20,411	26,065	-21.7	41,757	48,204	-13.4
Southern (WV)	655	582	882	17,995	28,349	-36.5	37,223	55,970	-33.5
Wyoming	6,497	5,510	7,360	143,861	200,514	-28.3	317,058	387,354	-18.1
Appalachian Total	3,446	3,012	4,188	88,613	125,896	-29.6	183,342	245,159	-25.2
Interior Total	2,849	2,425	3,348	71,514	91,296	-21.7	146,094	180,161	-18.9
Western Total	8,845	7,486	10,038	198,664	271,861	-26.9	431,316	527,526	-18.2
East of Mississippi River	5,469	4,733	6,614	141,005	198,467	-29.0	289,626	382,988	-24.4
West of Mississippi River	9,672	8,189	10,961	217,786	290,587	-25.1	471,127	569,859	-17.3
Bituminous and Lignite	15,096	12,883	17,528	357,823	487,966	-26.7	758,741	950,801	-20.2
Anthracite	45	40	47	969	1,088	-10.9	2,012	2,045	-1.6
U.S. Total	15,141	12,923	17,574	358,792	489,054	-26.6	760,753	952,846	-20.2
Railroad Cars Loaded	84,272	72,998	99,975	1,990,276	2,820,642	-29.4	4,295,484	5,530,639	-22.3

Source: Energy Information Administration

Prepared by EEI's Business Information Group



WEEKLY ELECTRIC OUTPUT

Volume 84 No. 29

OUTPUT FOR WEEK ENDED - Jul 16, 2016

Jul 20, 2016

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Jul 16, 2016 was 91,030 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 169 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended July 16		52 Weeks Ended July 16	
	GWh Output	% Increase Over Corresponding Week of 2015	GWh Output	% Increase Over Corresponding Period of 2015
New England	2,754	2.1	123,338	-2.5
Mid-Atlantic	10,108	7.0	428,702	-3.3
Central Industrial	14,673	6.3	664,988	-2.2
West Central	7,429	-3.7	327,510	-0.6
Southeast	23,142	2.7	1,007,263	-1.6
South Central	17,823	4.0	706,404	0.4
Rocky Mountain	6,190	5.6	278,183	1.8
Pacific Northwest	2,599	-4.3	152,287	0.0
Pacific Southwest	6,312	3.6	285,384	0.8
Total United States	91,030	3.4	3,974,059	-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)
Jun 25	88,590	Jun 27	87,121	1.7	Jun 25	3,961,958	-1.3
Jul 02	86,222	Jul 04	80,249	7.4	Jul 02	3,967,931	-1.1
Jul 09	88,147	Jul 11	85,046	3.6	Jul 09	3,971,032	-1.0
Jul 16	91,030	Jul 18	88,003	3.4	Jul 16	3,974,059	-1.0
Jul 16	2,193,388	Jul 18	2,238,716	-2.0	YEAR TO DATE, FIRST 29 WEEKS		

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

Week Ended	2016	Week Ended	2015	Week Ended	2014
Jun 25	178	Jun 27	209	Jun 28	174
Jul 02	178	Jul 04	194	Jul 05	179
Jul 09	174	Jul 11	209	Jul 12	176
Jul 16	169	Jul 18	209	Jul 19	158

* Excludes Alaska and Hawaii.

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

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

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	16-Jul 2016 GWh Output	18-Jul 2015 GWh Output	% Increase Over Corresponding Week of 2015	16-Jul 2016 GWh Output	18-Jul 2015 GWh Output	% Increase Over Corresponding Week of 2015	16-Jul 2016 GWh Output	18-Jul 2015 GWh Output	% Increase Over Corresponding Week of 2015
New England	2,754	2,698	2.1%	67,396	70,953	-5.0%	123,338	126,535	-2.5%
Mid-Atlantic	10,108	9,445	7.0%	235,643	251,297	-6.2%	428,702	443,426	-3.3%
Central Industrial	14,673	13,803	6.3%	373,729	383,057	-2.4%	664,988	679,894	-2.2%
West Central	7,429	7,718	-3.7%	180,644	182,969	-1.3%	327,510	329,579	-0.6%
Southeast	23,142	22,530	2.7%	564,325	577,833	-2.3%	1,007,263	1,023,997	-1.6%
South Central	17,823	17,138	4.0%	385,732	388,553	-0.7%	706,404	703,603	0.4%
Rocky Mountain	6,190	5,860	5.6%	147,341	145,974	0.9%	278,183	273,191	1.8%
Pacific Northwest	2,599	2,717	-4.3%	86,009	85,868	0.2%	152,287	152,216	0.0%
Pacific Southwest	6,312	6,094	3.6%	152,569	152,214	0.2%	285,384	283,093	0.8%
Total United States ^{1/}	<u>91,030</u>	<u>88,003</u>	3.4%	<u>2,193,388</u>	<u>2,238,718</u>	-2.0%	<u>3,974,059</u>	<u>4,015,534</u>	-1.0%
Coal Regions Only ^{2/}	79,365	76,494	3.8%	1,887,414	1,929,683	-2.2%	3,413,050	3,453,690	-1.2%

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.

^{1/} Excludes Alaska and Hawaii

^{2/} Excludes New England and Pacific regions

SOURCE: Edison Electric Institute (EEI), *Weekly Electric Output Report*.

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July 18, 2016

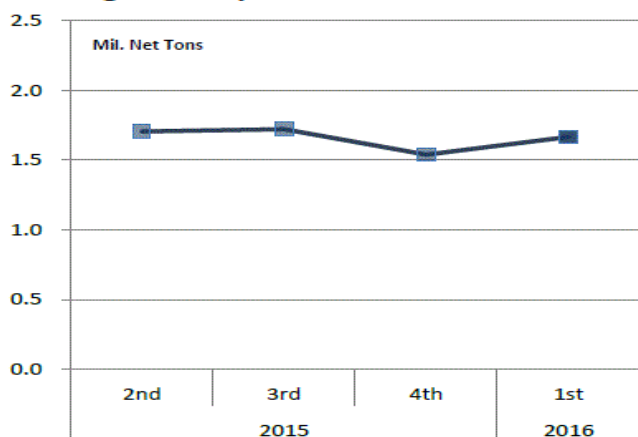
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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>July 16</u>	<u>July 9</u>	
<u>Week Ending</u>				North East	205	201
				Great Lakes	696	675
July 16, 2016	1,746	2.0	74.7	Midwest	158	161
July 16, 2015	1,750	-0.2	73.2	Southern	612	596
July 9, 2016	1,712	-1.4	73.2	Western	75	79
				Total	1,746	1,712
<u>Year-to-Date +</u>						
July 16, 2016	49,200	-0.8	72.5			
July 16, 2015	49,573	-	72.3			

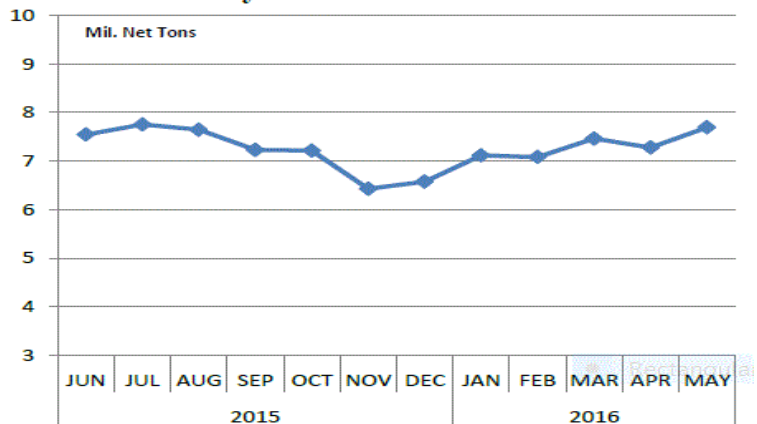
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

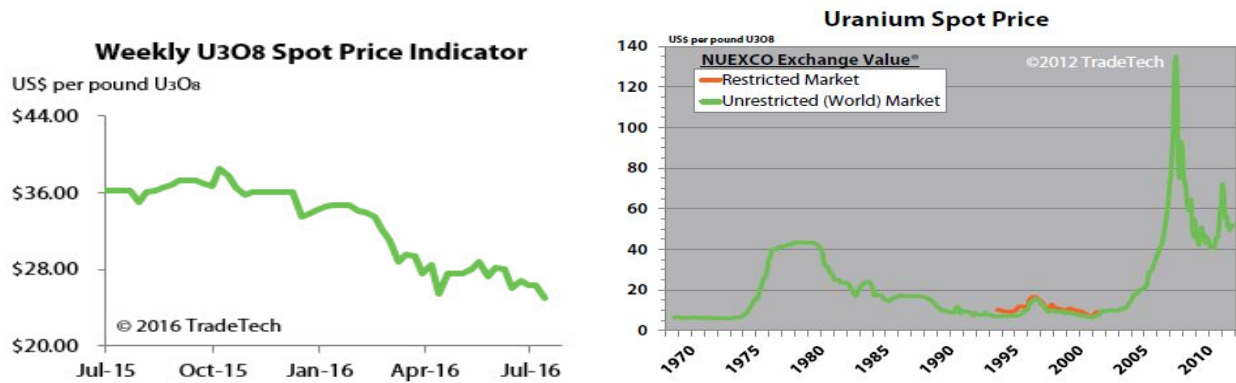


Source: Kitco website - www.kitco.com/connecting.html



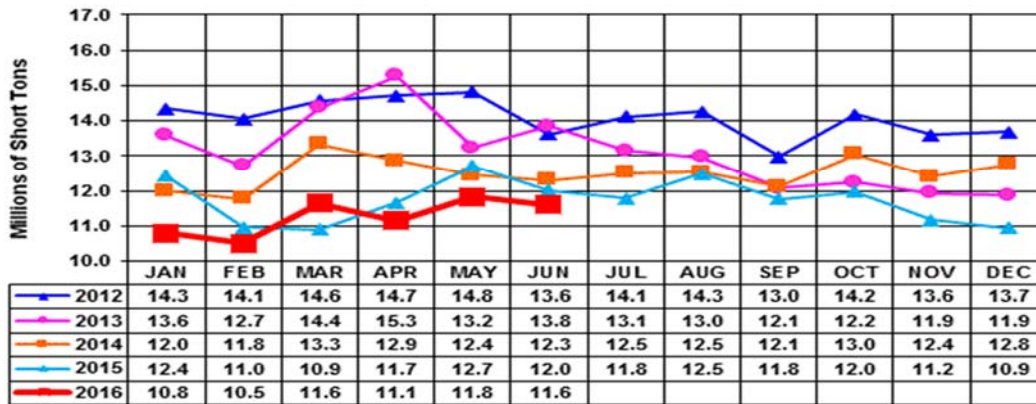
Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators



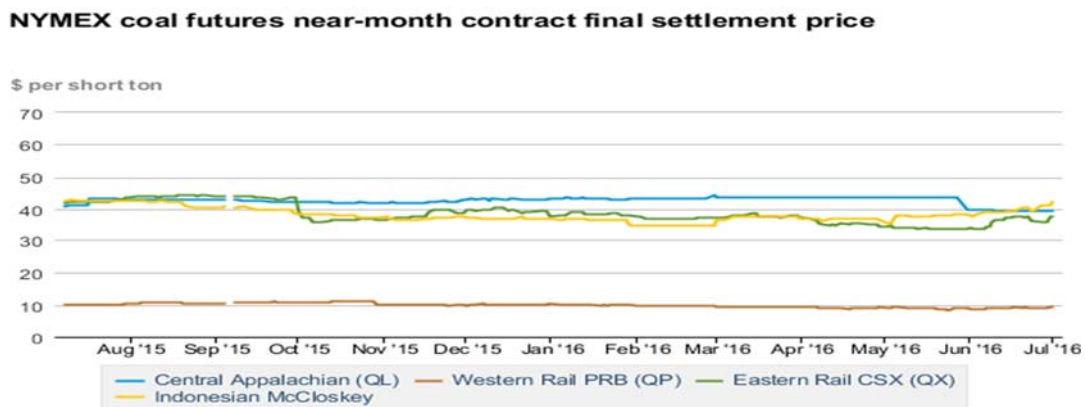
Source: Trade Tech, Uranium Info Website – www.uranium.info

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.

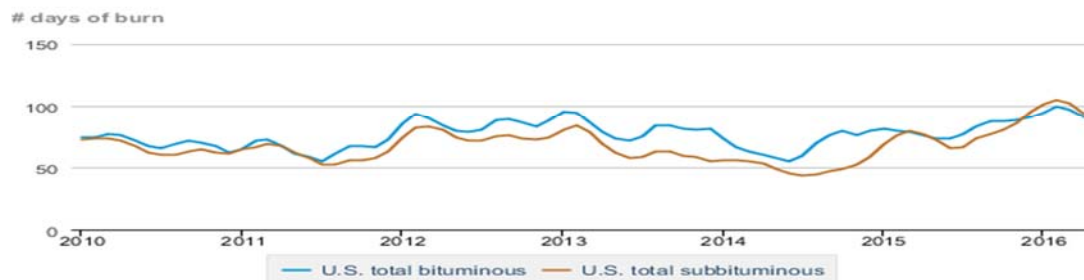
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago change
	06/17/16	06/24/16	07/01/16	07/08/16	07/15/16	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$40.50	\$40.50	\$41.10	\$41.10	\$41.10	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$42.10	\$42.10	\$43.35	\$43.35	\$43.35	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$31.70	\$31.70	\$32.00	\$32.00	\$32.00	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$8.80	\$8.80	\$8.70	\$8.70	\$8.70	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$37.50	\$37.50	\$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 - April 2016



Source: U.S. Energy Information Administration

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

Temperature -- heating & cooling degree days (week ending Jul 07)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	1	-1	-2	46	13	12
Middle Atlantic	2	1	0	60	11	9
E N Central	8	7	-4	42	-8	13
W N Central	7	3	-2	52	-12	10
South Atlantic	0	0	0	108	16	15
E S Central	0	0	0	103	14	22
W S Central	0	0	0	140	22	24
Mountain	1	-8	-3	79	7	-2
Pacific	2	-4	2	39	3	-21
United States	3	1	-1	74	6	8

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: 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	April 2016		April 2015		% Change of Stocks	March 2016		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	7,641	117	6,061	81	26.1%	7,165	111	6.7%
	Subbituminous	171	184	799	262	-78.6%	171	208	0.0%
South	Bituminous	37,654	89	33,819	76	11.3%	36,811	97	2.3%
	Subbituminous	7,838	86	6,927	79	13.1%	7,951	95	-1.4%
Midwest	Bituminous	18,365	95	14,820	74	23.9%	18,005	100	2.0%
	Subbituminous	46,805	86	38,488	70	21.6%	46,914	94	-0.2%
West	Bituminous	5,587	76	5,341	72	4.6%	4,907	76	13.9%
	Subbituminous	41,393	103	34,743	86	19.1%	42,090	114	-1.7%
U.S. Total	Bituminous	69,247	91	60,041	76	15.3%	66,888	97	3.5%
	Subbituminous	96,207	93	80,957	77	18.8%	97,126	102	-0.9%

Source: Energy Information Administration, *Electricity Monthly Update*

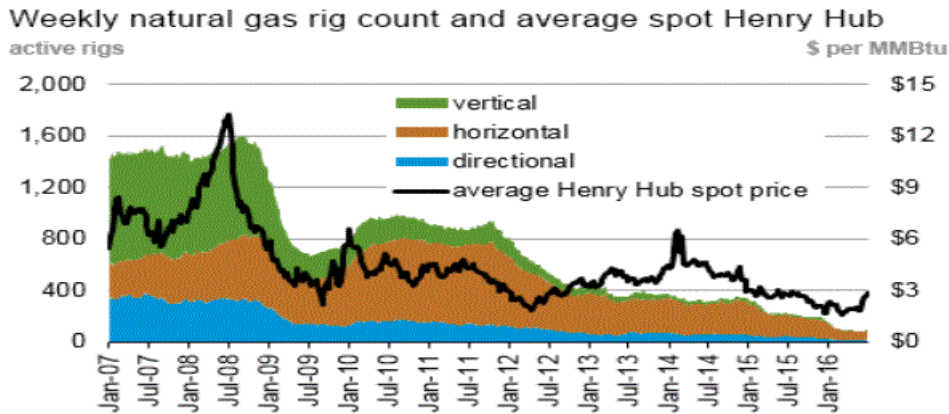
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2016-07-08	2016-07-01	change
East	678	654	24
Midwest	785	764	21
Mountain	208	202	6
Pacific	319	313	6
South Central	1,253	1,246	7
Total	3,243	3,179	64

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		
	July 2016	August 2016	change	July 2016	August 2016	change
Bakken	841	858	17	1,116	1,149	33
Eagle Ford	1,052	1,076	24	3,135	3,193	58
Haynesville	31	31	-	5,505	5,573	68
Marcellus	69	69	-	11,225	11,267	42
Niobrara	940	961	21	2,927	3,004	77
Permian	503	515	12	883	895	12
Utica	358	369	11	7,397	7,513	116
Rig-weighted average	548	558	10	2,884	2,850	(34)

Source: Energy Information Administration, *Drilling Productivity Report*