
National Mining Association

Weekly Statistical Summary

November 4, 2016 Edition
(Data for Week Ending October 29, 2016)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 54, No. 44
Dated 11/04/16

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	10/29/16	10/31/15	% Chng	10/29/16	10/29/15	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	17,008	16,668	2.0%	606,570	760,736	-20.3%
52 Weeks Ended	738,145	930,998	-20.7%			
AAR Coal Rail Cars Loaded:	93,365	95,894	-2.6%	3,332,564	4,366,867	-23.7%
Coal Production Month Ended - Sept.	Sep 16/15		% Chng	Jan - Sep 16/15		% Chng
	68,229	77,778	-12.3%	538,118	689,741	-22.0%

DOC Bituminous Coal Trade (000 Tons)

Exports:	August 16/15		% Chng	Jan - August 16/15		% 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%
Total	5,008	6,410	-21.9%	36,688	53,297	-31.2%
Imports:	943	970	-2.8%	6,922	7,710	-10.2%

	Week Ended			Cumulative Jan 1 to		
	10/29/16	10/31/15	% Chng	10/29/16	10/31/15	% Chng
EI Electric Total Output (Mil. Kwh)	68,955	68,293	1.0%	3,437,769	3,449,399	-0.3%
EI Coal Region Output (Mil. Kwh)	59,085	58,209	1.5%	2,964,195	2,970,601	-0.2%
AISI Raw Steel Output (000 Tons)	1,575	1,629	-3.3%	73,525	74,951	-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)	
	10/28/16	10/21/16	% Chng	Wed.	10/26/16
Central App, 12,500 Btu, 1.2 SO ₂	\$45.05	\$45.05	0.0%	Henry Hub	2.68
Northern App, 13,000 Btu, < 3.0 SO ₂	42.25	42.25	0.0%	New York	1.57
Illinois Basin, 11,800, 5.0 SO ₂	33.25	33.25	0.0%	Chicago	2.82
Powder River Basin, 8,800 Btu 0.8 SO ₂	9.00	9.00	0.0%	Cal.Comp.Avg.	2.78
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



Weekly U.S. Coal Production Overview									
	Week Ended			Year to Date			52 Weeks Ended		
Coal-Producing Region & State	10/29/2016	10/22/2016	10/31/2015						
(thousand short tons)	(week 44)	(week 43)	(week 44)	10/29/2016	10/29/2015	% Change	10/29/2016	10/31/2015	% Change
Alabama	193	169	190	7,772	11,644	-33.2	9,268	14,322	-35.3
Alaska	28	29	25	947	972	-2.7	1,144	1,191	-3.9
Arizona	111	109	111	4,447	5,900	-24.6	5,320	7,284	-27.0
Arkansas	1	1	1	50	80	-37.0	62	104	-40.4
Coloradc	231	211	262	9,955	16,737	-40.5	12,024	20,494	-41.3
Illinois	1,047	945	963	38,453	48,354	-20.5	46,056	58,685	-21.5
Indiana	627	625	584	24,303	29,520	-17.7	28,915	36,174	-20.1
Kansas	3	4	4	94	163	-42.2	129	197	-34.5
Kentucky Total	1,001	959	1,040	37,854	52,914	-28.5	46,063	65,097	-29.2
Eastern (KY)	409	379	463	15,549	24,305	-36.0	19,205	29,994	-36.0
Western (KY)	592	580	577	22,305	28,609	-22.0	26,858	35,103	-23.5
Louisiana	71	68	62	2,575	2,935	-12.3	3,062	3,679	-16.8
Maryland	33	31	34	1,230	1,633	-24.7	1,502	1,958	-23.3
Mississippi	62	67	50	2,391	2,735	-12.6	2,785	3,225	-13.6
Missouri	2	3	1	145	128	13.8	156	172	-9.3
Montana	736	677	768	25,999	35,590	-26.9	32,058	44,151	-27.4
New Mexicc	438	406	395	14,094	16,448	-14.3	17,214	19,740	-12.8
North Dakota	740	646	559	24,099	24,230	-0.5	28,514	29,273	-2.6
Ohio	324	330	297	12,087	14,610	-17.3	14,434	17,936	-19.5
Oklahoma	16	15	15	575	661	-13.0	690	801	-13.9
Pennsylvania Tota	975	954	887	37,229	43,921	-15.2	44,229	54,200	-18.4
Anthracite (PA)	49	47	44	1,645	1,784	-7.8	1,990	2,137	-6.9
Bituminous (PA)	926	907	843	35,585	42,137	-15.5	42,239	52,063	-18.9
Tennessee	20	21	17	696	757	-8.0	832	921	-9.7
Texas	1,022	1,040	759	33,055	29,711	11.3	39,049	37,125	5.2
Utah	318	317	275	11,672	12,168	-4.1	13,846	15,155	-8.6
Virginia	305	302	267	11,016	11,907	-7.5	13,121	14,366	-8.7
West Virginia Total	1,837	1,707	1,726	65,764	81,528	-19.3	79,386	99,327	-20.1
Northern (WV)	1,060	1,006	964	35,726	39,904	-10.5	43,337	48,195	-10.1
Southern (WV)	777	700	762	30,038	41,623	-27.8	36,049	51,132	-29.5
Wyoming	6,865	6,829	7,375	240,068	315,489	-23.9	298,287	385,422	-22.6
Appalachian Tota	4,096	3,892	3,881	151,344	190,305	-20.5	181,978	233,023	-21.9
Interior Total	3,444	3,348	3,017	123,946	142,896	-13.3	147,761	175,265	-15.7
Western Total	9,467	9,222	9,770	331,280	427,535	-22.5	408,406	522,709	-21.9
East of Mississippi River	6,425	6,108	6,055	238,796	299,522	-20.3	286,592	366,211	-21.7
West of Mississippi River	10,583	10,353	10,613	367,775	461,213	-20.3	451,553	564,787	-20.0
Bituminous and Lignite	16,959	16,415	16,624	604,926	758,952	-20.3	736,155	928,861	-20.7
Anthracite	49	47	44	1,645	1,784	-7.8	1,990	2,137	-6.9
U.S. Total	17,008	16,462	16,668	606,570	760,736	-20.3	738,145	930,998	-20.7
Railroad Cars Loaded	93,365	90,272	95,894	3,332,564	4,366,867	-23.7	4,092,694	5,364,708	-23.7

Source: Energy Information Administration

Prepared by EEI's Business Information Group



WEEKLY ELECTRIC OUTPUT

Volume 84 No. 44

OUTPUT FOR WEEK ENDED - Oct 29, 2016

Nov 02, 2016

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Oct 29, 2016 was 68,955 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 October 29		52 Weeks Ended October 29	
	GWh Output	% Increase Over Corresponding Week of 2015	GWh Output	% Increase Over Corresponding Period of 2015
New England	2,155	-0.8	123,384	-3.7
Mid-Atlantic	7,357	-0.6	432,927	-3.7
Central Industrial	11,281	-1.7	673,556	-1.5
West Central	5,787	0.2	329,440	-1.0
Southeast	16,782	-1.3	1,024,469	-0.4
South Central	12,549	9.9	711,610	0.1
Rocky Mountain	5,329	3.9	276,915	0.1
Pacific Northwest	2,635	-0.8	152,451	0.3
Pacific Southwest	5,080	-3.3	283,005	-0.5
Total United States	68,955	1.0	4,007,757	-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 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 29	68,955	Oct 31	68,293	1.0	Oct 29	4,007,757	-1.0
Oct 29	3,437,769	Oct 31	3,449,399	-0.3	YEAR TO DATE, FIRST 44 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2016	Week Ended	2015	Week Ended	2014
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
Oct 29	180	Oct 31	157	Nov 01	179

* 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		
	29-Oct 2016 GWh Output	31-Oct 2015 GWh Output	% Increase Over Corresponding Week of 2015	29-Oct 2016 GWh Output	31-Oct 2015 GWh Output	% Increase Over Corresponding Week of 2015	29-Oct 2016 GWh Output	31-Oct 2015 GWh Output	% Increase Over Corresponding Week of 2015
New England	2,155	2,172	-0.8%	105,391	108,901	-3.2%	123,394	128,149	-3.7%
Mid-Atlantic	7,357	7,402	-0.6%	371,834	383,264	-3.0%	432,927	449,439	-3.7%
Central Industrial	11,281	11,474	-1.7%	575,652	576,412	-0.1%	673,556	683,514	-1.5%
West Central	5,787	5,775	0.2%	281,801	282,196	-0.1%	329,440	332,602	-1.0%
Southeast	16,782	17,010	-1.3%	882,730	879,030	0.4%	1,024,469	1,029,069	-0.4%
South Central	12,549	11,419	9.9%	617,917	615,535	0.4%	711,610	710,892	0.1%
Rocky Mountain	5,329	5,129	3.9%	234,261	234,164	0.0%	276,915	276,505	0.1%
Pacific Northwest	2,635	2,657	-0.8%	125,629	125,328	0.2%	152,451	151,950	0.3%
Pacific Southwest	5,080	5,255	-3.3%	242,553	244,572	-0.8%	283,005	284,472	-0.5%
Total United States ^{1/}	<u>68,955</u>	<u>68,293</u>	1.0%	<u>3,437,768</u>	<u>3,449,402</u>	-0.3%	<u>4,007,767</u>	<u>4,046,592</u>	-1.0%
Coal Regions Only ^{2/}	59,085	58,209	1.5%	2,964,195	2,970,601	-0.2%	3,448,917	3,482,021	-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.

^{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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October 31, 2016

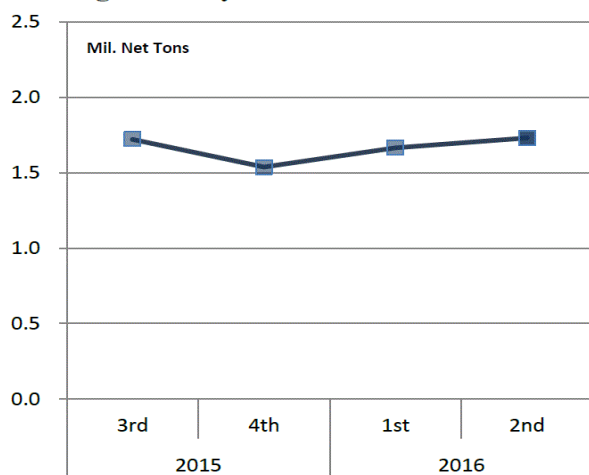
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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. 29</u>	<u>Week Ending Oct. 22</u>	
<u>Week Ending</u>				North East	191	187
				Great Lakes	615	632
October 29, 2016	1,575	-1.4	66.4	Midwest	152	150
October 29, 2015	1,629	-3.3	68.1	Southern	546	556
October 22, 2016	1,597	0.4	67.3	Western	<u>71</u>	<u>72</u>
				Total	1,575	1,597
<u>Year-to-Date +</u>						
October 29, 2016	73,525	-1.9	71.4			
October 29, 2015	74,951	-	71.7			

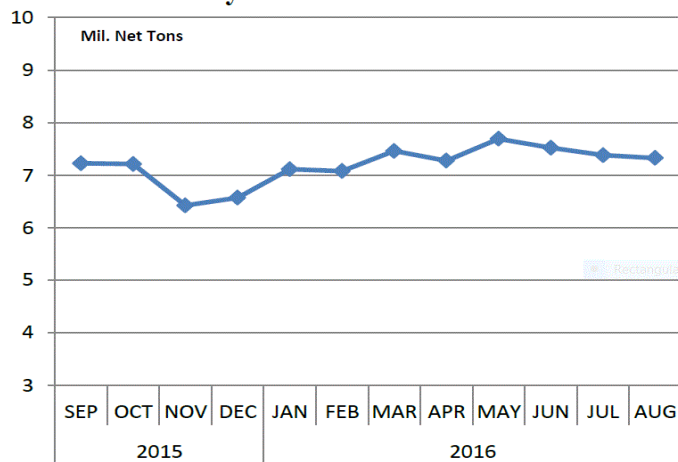
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

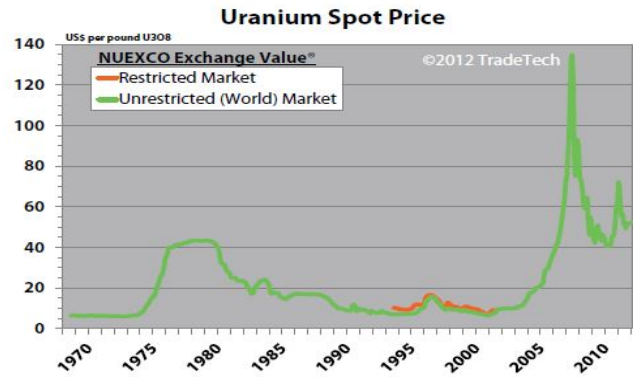
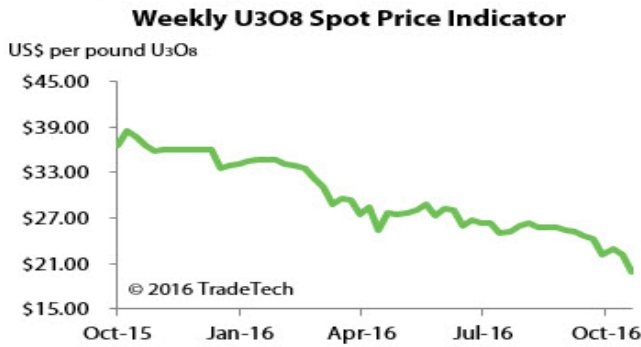


Source: Kitco website - www.kitco.com/connecting.html



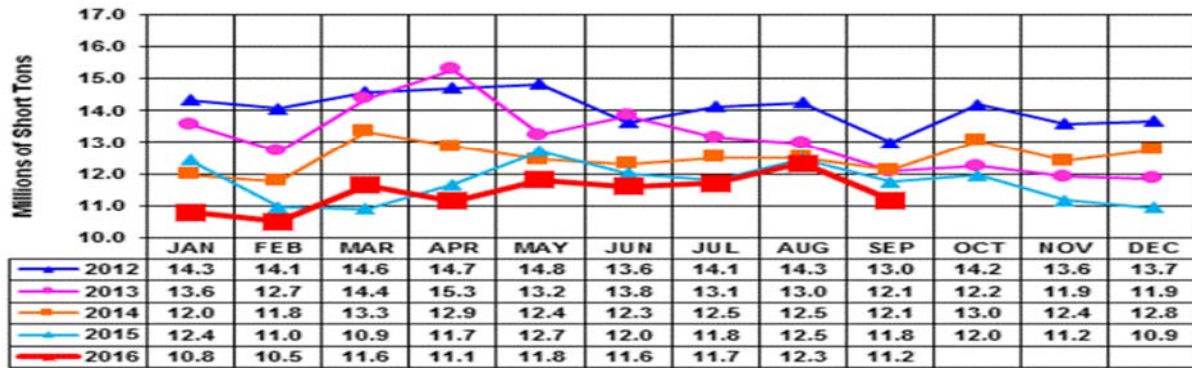
Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators



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

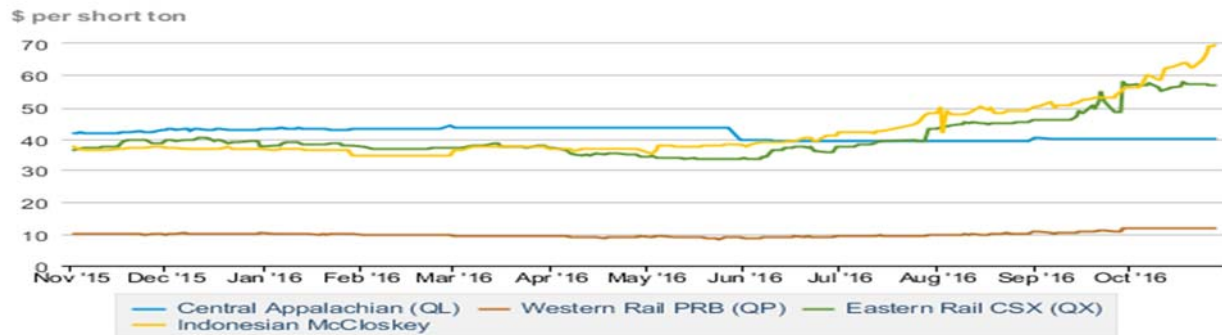
Coal and Coke Monthly Indicator for Internal U.S. Waterways



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

NYMEX Coal Futures Near-month Contract Final Settlement Price

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
	09/30/16	10/07/16	10/14/16	10/21/16	10/28/16	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$40.20	\$39.55	\$45.05	\$45.05	\$45.05	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$41.45	\$40.75	\$42.25	\$42.25	\$42.25	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$32.00	\$33.25	\$33.25	\$33.25	\$33.25	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$8.25	\$8.25	\$9.00	\$9.00	\$9.00	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$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 20)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	37	-68	-91	8	8	8
Middle Atlantic	29	-64	-84	13	12	13
E N Central	35	-64	-67	15	14	15
W N Central	53	-43	-28	14	12	12
South Atlantic	6	-45	-71	57	32	35
E S Central	3	-47	-63	54	44	52
W S Central	2	-18	-10	85	58	46
Mountain	59	-34	3	16	5	-1
Pacific	24	-12	14	2	-5	-9
United States	28	-44	-42	31	20	19

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: 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*

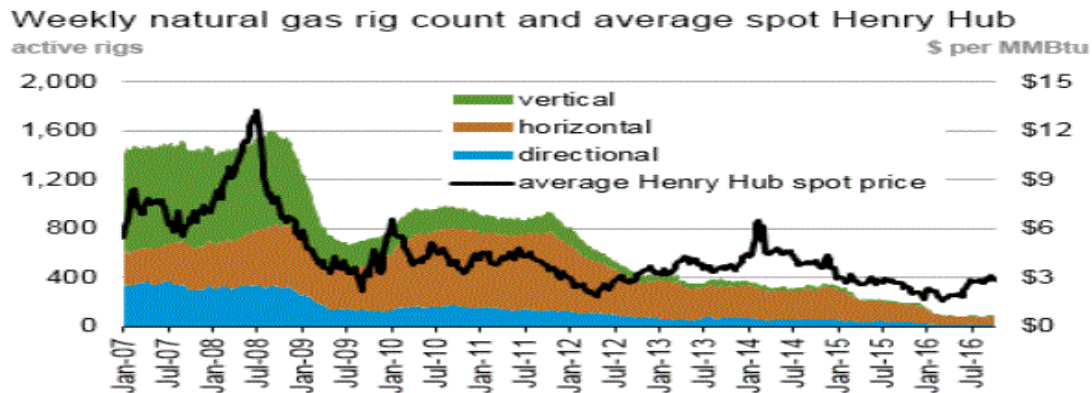
EIA Working Natural Gas Underground Storage

Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2016-10-21	2016-10-14	change
East	939	925	14
Midwest	1,115	1,093	22
Mountain	245	243	2
Pacific	326	325	1
South Central	1,284	1,250	34
Total	3,909	3,836	73

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*