

National Mining Association

Weekly Statistical Summary

August 18, 2017 Edition
(Data for Week Ending August 12, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 32
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PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	08/12/17	08/06/16	% Chng	08/12/17	08/12/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	16,469	15,234	8.1%	482,287	421,938	14.3%
52 Weeks Ended	801,774	755,386	6.1%			
AAR Coal Rail Cars Loaded:	94,593	89,310	5.9%	2,673,926	2,330,939	14.7%
Coal Production Month Ended - July	July 17/16		% Chng	Jan - Jul 17/16		% Chng
	66,829	61,796	8.1%	454,045	395,339	14.8%
DOC Coal Trade (000 Tons)						
Exports:	June 17/16			Jan - June 17/16		
			% Chng			% Chng
Metallurgical	4,277	3,423	24.9%	25,622	20,215	26.7%
Steam *	3,032	1,960	54.7%	18,335	7,863	133.2%
Lignite	8	6	33.3%	39	34	14.7%
Anthracite	6	46	-87.0%	133	288	-53.8%
Total	7,323	5,435	34.7%	44,129	28,400	55.4%
Imports:	651	641	1.6%	4,112	4,989	-17.6%
	Week Ended			Cumulative Week 1 to		
	08/12/17	08/13/16	% Chng	08/12/17	08/13/16	% Chng
EI Electric Total Output (Mil. Kwh)	84,069	93,832	-10.4%	2,467,215	2,496,902	-1.2%
EI Coal Region Output (Mil. Kwh)	72,232	81,722	-11.6%	2,119,143	2,152,976	-1.6%
AISI Raw Steel Output (000 Tons)	1,780	1,655	7.6%	55,650	54,106	2.9%

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

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	08/04/17	08/11/17	% Chng	Wed.	08/09/17
Central App, 12,500 Btu, 1.2 SO ₂	\$52.60	\$52.60	0.0%	Henry Hub	2.85
Northern App, 13,000 Btu, < 3.0 SO ₂	45.65	45.65	0.0%	New York	1.77
Illinois Basin, 11,800, 5.0 SO ₂	30.70	30.70	0.0%	Chicago	2.80
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.55	11.55	0.0%	Cal.Comp.Avg.	2.92
Uinta Basin, 11,700 Btu, 0.8 SO ₂	40.70	40.70	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		
	8/12/2017 (week 32)	8/5/2017 (week 31)	8/6/2016 (week 32)	8/12/2017	8/12/2016	% Change	8/12/2017	8/6/2016	% Change
Alabama	196	174	147	6,526	5,523	18.2	10,251	9,670	6.0
Alaska	15	15	14	566	621	-8.9	889	1,070	-16.9
Arizona	127	120	115	3,795	3,235	17.3	6,082	5,548	9.6
Arkansas	s	s	s	22	28	-20.5	25	60	-58.3
Colorado	284	301	238	8,489	6,947	22.2	14,379	13,106	9.7
Illinois	899	858	792	29,558	26,972	9.6	46,842	46,498	0.7
Indiana	636	615	569	19,945	17,486	14.1	31,717	29,551	7.3
Kansas	.	.	.	29	27	8.9	29	106	-72.6
Kentucky Total	821	815	804	26,339	26,048	1.1	43,892	47,573	-7.7
Eastern (KY)	292	298	298	9,998	10,262	-2.6	16,818	19,928	-15.6
Western (KY)	528	518	506	16,341	15,786	3.5	27,074	27,645	-2.1
Louisiana	57	59	50	2,003	1,642	22.0	3,202	3,087	3.7
Maryland	38	39	34	991	848	16.9	1,748	1,509	15.8
Mississippi	64	61	60	1,858	1,699	9.3	3,080	2,812	9.5
Missouri	7	7	5	186	139	34.1	286	175	63.4
Montana	730	708	726	19,102	17,851	7.0	34,215	33,601	1.8
New Mexico	225	203	226	7,570	8,066	-6.1	13,041	16,083	-18.9
North Dakota	630	605	546	18,931	16,840	12.4	30,684	27,794	10.4
Ohio	206	189	232	6,664	8,490	-21.5	10,954	14,566	-24.8
Oklahoma	11	11	11	355	396	-10.4	601	678	-11.4
Pennsylvania Total	1,068	1,070	892	32,030	26,748	19.7	51,926	45,373	14.4
Anthracite (PA)	32	30	28	1,097	1,007	9.0	1,748	1,879	-7.0
Bituminous (PA)	1,036	1,041	864	30,933	25,741	20.2	50,178	43,494	15.4
Tennessee	10	9	12	360	407	-11.4	589	755	-22.0
Texas	867	840	796	25,518	23,353	9.3	42,067	38,536	9.2
Utah	296	298	252	9,291	8,310	11.8	14,946	13,753	8.7
Virginia	310	301	263	9,404	8,069	16.5	14,893	13,234	12.5
West Virginia Total	1,876	1,799	1,622	56,491	47,496	18.9	90,461	81,277	11.3
Northern (WV)	1,062	1,019	918	31,289	25,570	22.4	50,019	43,479	15.0
Southern (WV)	814	780	704	25,202	21,926	14.9	40,442	37,798	7.0
Wyoming	7,096	7,029	6,829	196,264	164,697	19.2	334,975	308,971	8.4
Appalachian Total	3,997	3,878	3,499	122,464	107,842	13.6	197,639	186,312	6.1
Interior Total	3,070	2,970	2,789	95,815	87,528	9.5	154,923	149,149	3.9
Western Total	9,402	9,279	8,946	264,007	226,567	16.5	449,212	419,926	7.0
East of Mississippi River	6,124	5,930	5,425	190,166	169,786	12.0	306,352	292,818	4.6
West of Mississippi River	10,345	10,197	9,808	292,121	252,151	15.9	495,422	462,568	7.1
Bituminous and Lignite	16,437	16,098	15,205	481,190	420,931	14.3	800,027	753,508	6.2
Anthracite	32	30	28	1,097	1,007	9.0	1,748	1,879	-7.0
U.S. Total	16,469	16,127	15,234	482,287	421,938	14.3	801,774	755,386	6.1
Railroad Cars Loaded	94,593	92,517	89,310	2,673,926	2,330,939	14.7	4,534,638	4,246,247	6.8

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 32

OUTPUT FOR WEEK ENDED - Aug 12, 2017

Aug 16, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, **Aug 12, 2017** was **84,069** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **166** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended August 12		52 Weeks Ended August 12	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,423	-19.5	121,741	-1.7
Mid-Atlantic	8,630	-22.7	428,897	-0.6
Central Industrial	12,538	-19.7	662,538	-1.1
West Central	6,401	-14.9	326,086	-0.8
Southeast	21,617	-5.7	1,017,454	0.5
South Central	16,839	-6.9	720,459	1.9
Rocky Mountain	6,207	-3.0	278,013	-0.5
Pacific Northwest	2,922	6.5	159,008	4.5
Pacific Southwest	6,492	2.1	282,510	-1.4
Total United States	84,069	-10.4	3,996,706	0.1

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
Jul 22	94,541	Jul 23	95,441	-0.9	Jul 22	4,018,173	1.0
Jul 29	90,617	Jul 30	96,099	-5.7	Jul 29	4,012,690	0.8
Aug 05	86,273	Aug 06	92,495	-6.7	Aug 05	4,006,469	0.5
Aug 12	84,069	Aug 13	93,832	-10.4	Aug 12	3,996,706	0.1
Aug 12	2,467,215	Aug 13	2,496,902	-1.2	YEAR TO DATE, FIRST 32 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Jul 22	186	Jul 23	178	Jul 25	216
Jul 29	179	Jul 30	176	Aug 01	216
Aug 05	170	Aug 06	172	Aug 08	210
Aug 12	166	Aug 13	189	Aug 15	203

* 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		
	12-Aug 2017 GWh Output	13-Aug 2016 GWh Output	% Increase Over Corresponding Week of 2016	12-Aug 2017 GWh Output	13-Aug 2016 GWh Output	% Increase Over Corresponding Week of 2016	12-Aug 2017 GWh Output	13-Aug 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,423	3,011	-19.5%	74,518	76,747	-2.9%	121,741	123,906	-1.7%
Mid-Atlantic	8,630	11,163	-22.7%	263,019	270,204	-2.7%	428,897	431,507	-0.6%
Central Industrial	12,538	15,616	-19.7%	409,039	423,338	-3.4%	662,538	669,887	-1.1%
West Central	6,401	7,523	-14.9%	201,026	205,698	-2.3%	326,086	328,730	-0.8%
Southeast	21,617	22,936	-5.8%	627,342	641,849	-2.3%	1,017,454	1,012,112	0.5%
South Central	16,839	18,088	-6.9%	448,257	444,132	0.9%	720,459	707,269	1.9%
Rocky Mountain	6,207	6,396	-3.0%	170,460	167,755	1.6%	278,013	279,357	-0.5%
Pacific Northwest	2,922	2,743	6.5%	99,846	93,061	7.3%	159,008	152,136	4.5%
Pacific Southwest	6,492	6,356	2.1%	173,709	174,118	-0.2%	282,510	286,596	-1.4%
Total United States ^{1/}	<u>84,069</u>	<u>93,832</u>	-10.4%	<u>2,467,216</u>	<u>2,496,902</u>	-1.2%	3,996,706	3,991,500	0.1%
Coal Regions Only ^{2/}	72,232	81,722	-11.6%	2,119,143	2,152,976	-1.6%	3,433,447	3,428,862	0.1%

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.

^{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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August 14, 2017

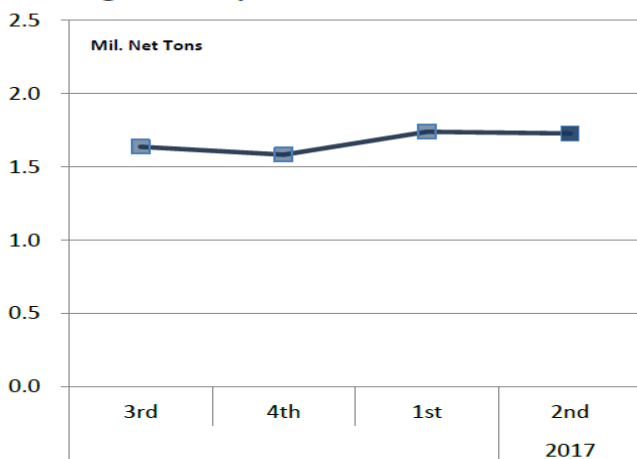
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 Aug 12</u>	<u>Week Ending Aug 5</u>	
<u>Week Ending</u>				North East	211	215
				Great Lakes	678	662
August 12, 2017	1,780	1.0	76.4	Midwest	166	164
August 12, 2016	1,655	7.6	70.8	Southern	650	642
August 5, 2017	1,762	-0.4	75.6	Western	<u>75</u>	<u>79</u>
				Total	1,780	1,762
<u>Year-to-Date +</u>						
August 12, 2017	55,650	2.9	74.6			
August 12, 2016	54,106	-	72.2			

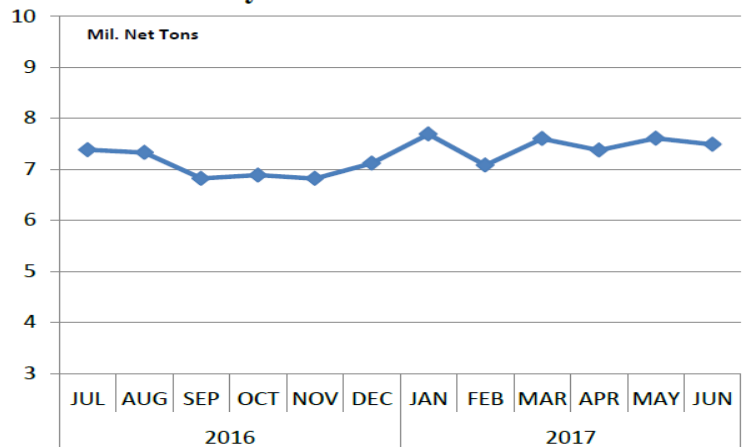
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 2017 is approximately 30.6 million net tons vs. 30.7 million net tons for the same period last year, and 30.3 million tons for the second quarter of 2017.

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

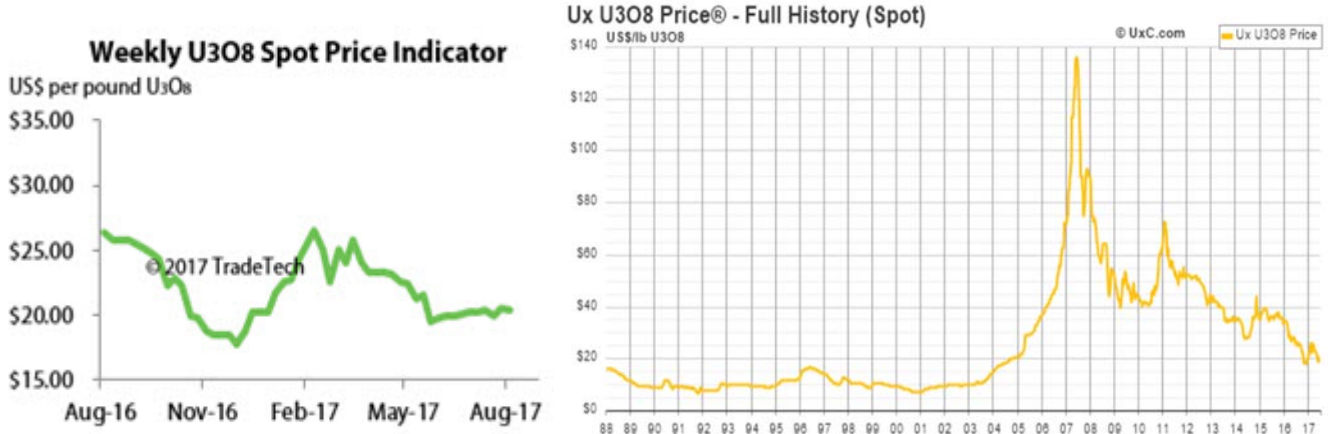


Source: Kitco website - www.kitco.com/connecting.html

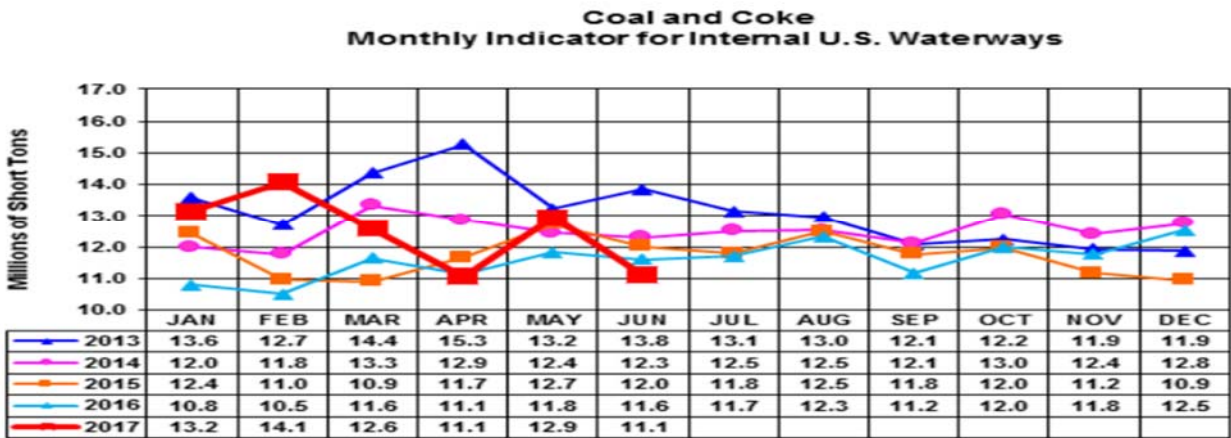


Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators



Sources: Trade Tech, Uranium Info Website – www.uranium.info ; Ux Consulting Co., LLC – <http://www.uxc.com>



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.

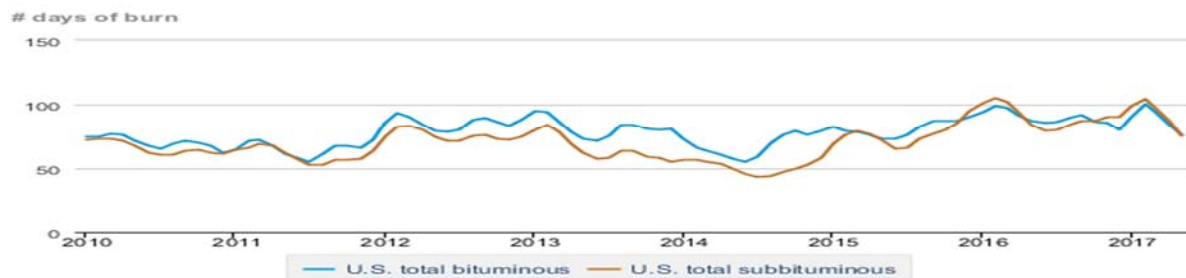
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	07/14/17	07/21/17	07/28/17	08/04/17	08/11/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$52.75	\$52.70	\$52.70	\$52.60	\$52.60	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.80	\$45.75	\$45.75	\$45.65	\$45.65	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$30.70	\$30.70	\$30.70	\$30.70	\$30.70	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.65	\$11.28	\$11.28	\$11.55	\$11.55	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.70	\$40.70	\$40.70	\$40.70	\$40.70	\$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 - May 2017



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Aug 03)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	2	-1	1	38	-7	-24
Middle Atlantic	1	-2	1	54	-5	-20
E N Central	2	-2	2	47	-10	-21
W N Central	3	0	2	53	-18	-12
South Atlantic	0	0	0	85	-12	-37
E S Central	0	0	0	78	-17	-28
W S Central	0	0	0	121	-5	-13
Mountain	1	-2	1	86	8	-14
Pacific	0	-2	0	81	34	0
United States	1	-1	1	73	-1	-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	2017 Year to Date - 1st Quarter	2016 Year to Date - 1st Quarter	Percent Change
Aluminum, secondary (000 Mt.)	244.0	242.0	1%
Cement (Mil. Mt.)	17.0	16.9	1%
Copper (000 Mt.)	324.0	362.0	-10%
Gold (Mt.)	56.5	51.6	9%
Gypsum (Mil. Mt.)	4.0	4.1	-2%
Iron Ore (Mil. Mt.)	10.4	9.2	13%
Lead (000 Mt.)	83.2	91.8	-9%
Molybdenum (000 Mt.)	9.9	8.7	14%
Phosphate rock (Mil. Mt.)	6.7	6.2	8%
Sand & gravel, construction (Mil. Mt.)	165.0	172.0	-4%
Silver (Mt.)	303.0	286.0	6%
Soda ash (Mil. Mt.)	2.9	2.9	0%
Stone, crushed (Mil. Mt.)	261.0	267.0	-2%
Zinc (000 Mt.)	169.0	204.0	-17%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2017 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	May 2017		May 2016			April 2017		
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn	% Change of Stocks	Stocks (1000 tons)	Days of Burn	% Change of Stocks
Northeast	Bituminous	4,468	73	7,460	115	-40.1%	4,712	81	-5.2%
	Subbituminous	142	225	171	184	-17.0%	145	226	-2.0%
South	Bituminous	32,039	72	37,358	83	-14.2%	32,491	82	-1.4%
	Subbituminous	6,379	61	7,959	82	-19.8%	6,518	71	-2.1%
Midwest	Bituminous	15,530	80	18,853	92	-17.6%	15,362	89	1.1%
	Subbituminous	42,418	76	47,382	80	-10.5%	43,658	88	-2.8%
West	Bituminous	6,048	86	5,861	76	3.2%	5,924	90	2.1%
	Subbituminous	31,509	78	39,310	91	-19.8%	32,205	89	-2.2%
U.S. Total	Bituminous	58,085	76	69,532	87	-16.5%	58,489	84	-0.7%
	Subbituminous	80,448	75	94,822	84	-15.2%	82,525	87	-2.5%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

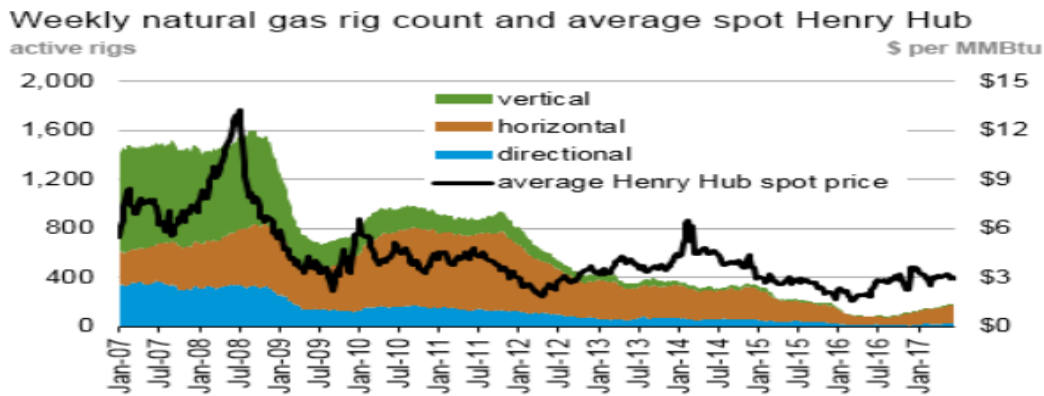
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2017-08-04	2017-07-28	change
East	673	651	22
Midwest	771	754	17
Mountain	202	200	2
Pacific	289	293	-4
South Central	1,103	1,112	-9
Total	3,038	3,010	28

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Natural Gas Weekly Update*

EIA Natural Gas Rig Count and Price Trend



eia 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		
	August 2017	September 2017	change	August 2017	September 2017	change
Anadarko	370	372	2	2,507	2,512	5
Appalachia	127	128	1	14,210	14,108	(102)
Bakken	1,177	1,190	13	1,554	1,557	3
Eagle Ford	1,410	1,379	(31)	4,620	4,642	22
Haynesville	33	34	1	7,540	7,578	38
Niobrara	1,284	1,285	1	4,523	4,552	29
Permian	599	595	(4)	1,005	999	(6)
Total	655	645	(10)	3,483	3,460	(23)

Source: Energy Information Administration, *Drilling Productivity Report*