

National Mining Association

Weekly Statistical Summary

August 25, 2017 Edition
(Data for Week Ending August 19, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

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Dated 08/25/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	08/19/17	08/13/16	% Chng	08/19/17	08/19/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	17,025	15,164	12.3%	499,312	437,205	14.2%
52 Weeks Ended	803,635	751,892	6.9%			
AAR Coal Rail Cars Loaded:	97,873	88,905	10.1%	2,771,799	2,420,446	14.5%
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%
EI Electric Total Output (Mil. Kwh)						
	Week Ended			Cumulative Week 1 to		
	08/19/17	08/20/16	% Chng	08/19/17	08/20/16	% Chng
EI Electric Total Output (Mil. Kwh)	87,790	90,103	-2.6%	2,555,005	2,587,005	-1.2%
EI Coal Region Output (Mil. Kwh)	76,568	77,545	-1.3%	2,195,711	2,230,521	-1.6%
AISI Raw Steel Output (000 Tons)	1,763	1,655	6.5%	57,413	55,761	3.0%

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)	
	08/11/17	08/18/17	% Chng	Wed.	08/16/17
Central App, 12,500 Btu, 1.2 SO ₂	\$52.60	\$52.60	0.0%	Henry Hub	2.89
Northern App, 13,000 Btu, < 3.0 SO ₂	45.65	45.65	0.0%	New York	2.32
Illinois Basin, 11,800, 5.0 SO ₂	30.70	30.70	0.0%	Chicago	2.85
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.55	11.55	0.0%	Cal.Comp.Avg.	2.82
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		
	8/19/2017 (week 33)	8/12/2017 (week 32)	8/13/2016 (week 33)	8/19/2017	8/19/2016	% Change	8/19/2017	8/13/2016	% Change
Alabama	195	196	146	6,721	5,670	18.5	10,299	9,560	7.7
Alaska	16	15	14	581	635	-8.5	891	1,064	-16.3
Arizona	130	127	114	3,925	3,350	17.2	6,099	5,524	10.4
Arkansas	s	s	s	23	28	-19.5	25	59	-57.6
Colorado	304	284	237	8,794	7,186	22.4	14,446	12,928	11.7
Illinois	936	899	789	30,494	27,766	9.8	46,989	46,184	1.7
Indiana	663	636	566	20,608	18,056	14.1	31,815	29,409	8.2
Kansas	.	.	.	29	27	8.9	29	103	-71.8
Kentucky Total	862	821	800	27,201	26,854	1.3	43,954	47,129	-6.7
Eastern (KY)	311	292	296	10,309	10,561	-2.4	16,832	19,667	-14.4
Western (KY)	551	528	504	16,892	16,293	3.7	27,122	27,462	-1.2
Louisiana	61	57	50	2,064	1,692	22.0	3,213	3,041	5.7
Maryland	39	38	34	1,031	882	16.9	1,753	1,508	16.2
Mississippi	65	64	60	1,923	1,759	9.3	3,086	2,799	10.3
Missouri	7	7	5	194	144	34.5	288	177	62.7
Montana	740	730	723	19,841	18,579	6.8	34,232	33,408	2.5
New Mexico	220	225	225	7,790	8,293	-6.1	13,036	15,866	-17.8
North Dakota	649	630	544	19,579	17,387	12.6	30,790	27,739	11.0
Ohio	215	206	231	6,879	8,723	-21.1	10,939	14,451	-24.3
Oklahoma	12	11	11	367	407	-9.8	602	674	-10.7
Pennsylvania Total	1,125	1,068	888	33,155	27,642	19.9	52,163	45,140	15.6
Anthracite (PA)	33	32	28	1,130	1,035	9.2	1,752	1,860	-5.8
Bituminous (PA)	1,093	1,036	860	32,025	26,607	20.4	50,411	43,281	16.5
Tennessee	11	10	12	371	419	-11.5	587	748	-21.5
Texas	897	867	792	26,415	24,150	9.4	42,172	38,467	9.6
Utah	315	296	251	9,606	8,562	12.2	15,011	13,704	9.5
Virginia	324	310	262	9,728	8,332	16.8	14,955	13,217	13.1
West Virginia Total	1,935	1,876	1,614	58,427	49,121	18.9	90,782	81,053	12.0
Northern (WV)	1,093	1,062	914	32,382	26,489	22.2	50,199	43,494	15.4
Southern (WV)	842	814	701	26,044	22,631	15.1	40,583	37,560	8.0
Wyoming	7,301	7,096	6,798	203,566	171,541	18.7	335,478	307,940	8.9
Appalachian Total	4,156	3,997	3,483	126,620	111,349	13.7	198,312	185,344	7.0
Interior Total	3,194	3,070	2,776	99,009	90,323	9.6	155,341	148,374	4.7
Western Total	9,675	9,402	8,906	273,683	235,533	16.2	449,982	418,174	7.6
East of Mississippi River	6,372	6,124	5,401	196,537	175,223	12.2	307,323	291,199	5.5
West of Mississippi River	10,653	10,345	9,764	302,774	261,982	15.6	496,311	460,694	7.7
Bituminous and Lignite	16,992	16,437	15,136	498,182	436,170	14.2	801,883	750,033	6.9
Anthracite	33	32	28	1,130	1,035	9.2	1,752	1,860	-5.8
U.S. Total	17,025	16,469	15,164	499,312	437,205	14.2	803,635	751,892	6.9
Railroad Cars Loaded	97,873	94,593	88,905	2,771,799	2,420,446	14.5	4,543,606	4,228,813	7.4

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 33

OUTPUT FOR WEEK ENDED - Aug 19, 2017

Aug 23, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, **Aug 19, 2017** was **87,790** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **178** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended August 19		52 Weeks Ended August 19	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,587	-14.6	121,300	-2.1
Mid-Atlantic	9,536	-14.6	427,268	-1.2
Central Industrial	13,838	-6.3	661,606	-1.3
West Central	6,716	-8.7	325,442	-1.1
Southeast	22,842	0.0	1,017,461	0.4
South Central	17,584	17.3	723,047	2.4
Rocky Mountain	6,052	-5.7	277,646	-0.6
Pacific Northwest	2,607	-7.0	158,812	4.3
Pacific Southwest	6,028	-10.4	281,811	-1.7
Total United States	87,790	-2.6	3,994,393	0.0

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
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 19	87,790	Aug 20	90,103	-2.6	Aug 19	3,994,393	0.0
Aug 19	2,555,005	Aug 20	2,587,005	-1.2	YEAR TO DATE, FIRST 33 WEEKS		

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

Week Ended	2017	Week Ended	2016	Week Ended	2015
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
Aug 19	178	Aug 20	181	Aug 22	207

* 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		
	19-Aug 2017 GWh Output	20-Aug 2016 GWh Output	% Increase Over Corresponding Week of 2016	19-Aug 2017 GWh Output	20-Aug 2016 GWh Output	% Increase Over Corresponding Week of 2016	19-Aug 2017 GWh Output	20-Aug 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,587	3,029	-14.6%	77,105	79,776	-3.3%	121,300	123,870	-2.1%
Mid-Atlantic	9,536	11,165	-14.6%	272,555	281,369	-3.1%	427,268	432,304	-1.2%
Central Industrial	13,838	14,769	-6.3%	422,877	438,107	-3.5%	661,606	670,634	-1.3%
West Central	6,716	7,360	-8.8%	207,742	213,058	-2.5%	325,442	329,134	-1.1%
Southeast	22,842	22,836	0.0%	650,184	664,685	-2.2%	1,017,461	1,013,599	0.4%
South Central	17,584	14,996	17.3%	465,841	459,128	1.5%	723,047	706,095	2.4%
Rocky Mountain	6,052	6,419	-5.7%	176,512	174,174	1.3%	277,646	279,267	-0.6%
Pacific Northwest	2,607	2,803	-7.0%	102,453	95,864	6.9%	158,812	152,285	4.3%
Pacific Southwest	6,028	6,726	-10.4%	179,737	180,844	-0.6%	281,811	286,792	-1.7%
Total United States ^{1/}	<u>87,790</u>	<u>90,103</u>	-2.6%	<u>2,555,006</u>	<u>2,587,005</u>	-1.2%	3,994,393	3,993,980	0.0%
Coal Regions Only ^{2/}	76,568	77,545	-1.3%	2,195,711	2,230,521	-1.6%	3,432,470	3,431,033	0.0%

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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August 21, 2017

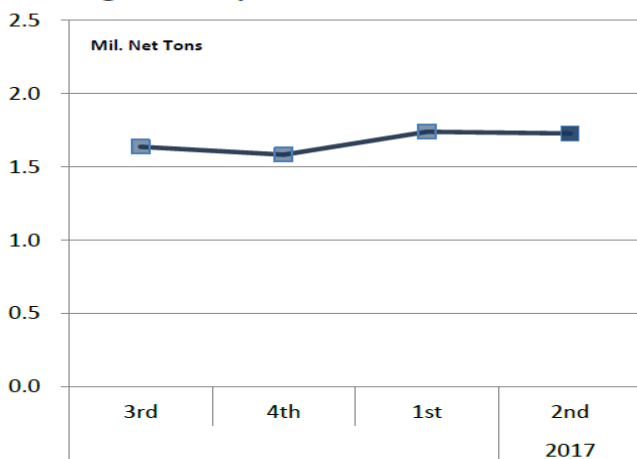
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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</u>		
				<u>Aug 19</u>	<u>Aug 12</u>	
<u>Week Ending</u>				North East	205	211
				Great Lakes	679	678
August 19, 2017	1,763	-1.0	75.6	Midwest	164	166
August 19, 2016	1,655	6.5	70.8	Southern	638	650
August 12, 2017	1,780	1.0	76.4	Western	<u>77</u>	<u>75</u>
				Total	1,763	1,780
<u>Year-to-Date +</u>						
August 19, 2017	57,413	3.0	74.6			
August 19, 2016	55,761	-	72.2			

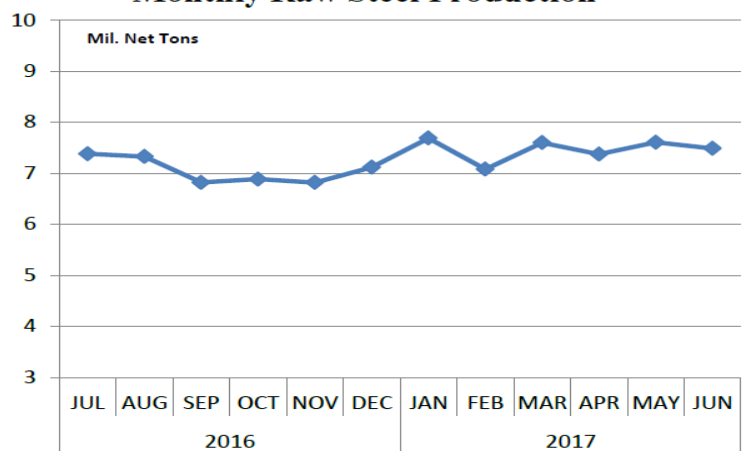
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

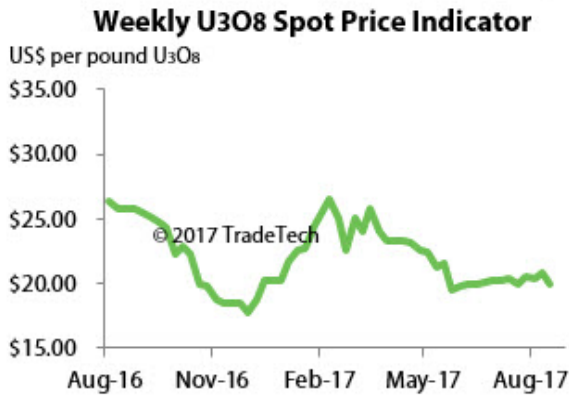


Source: Kitco website - www.kitco.com/connecting.html



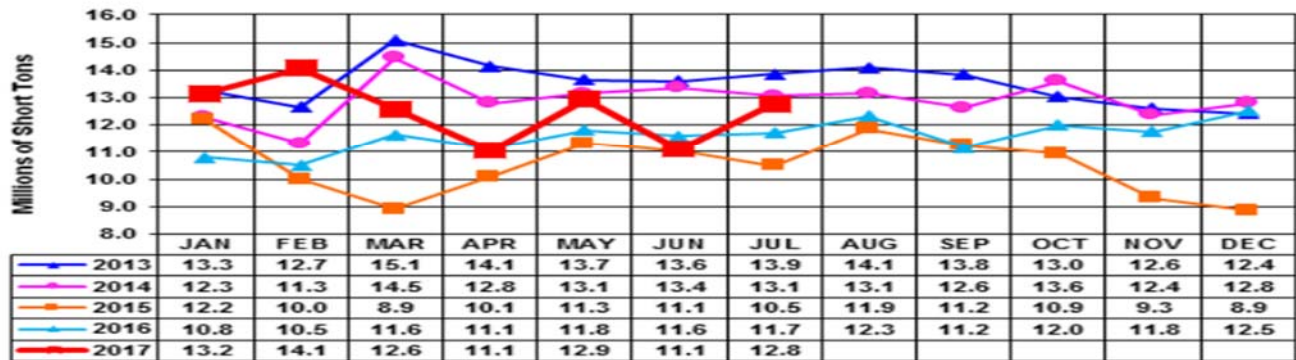
Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators



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

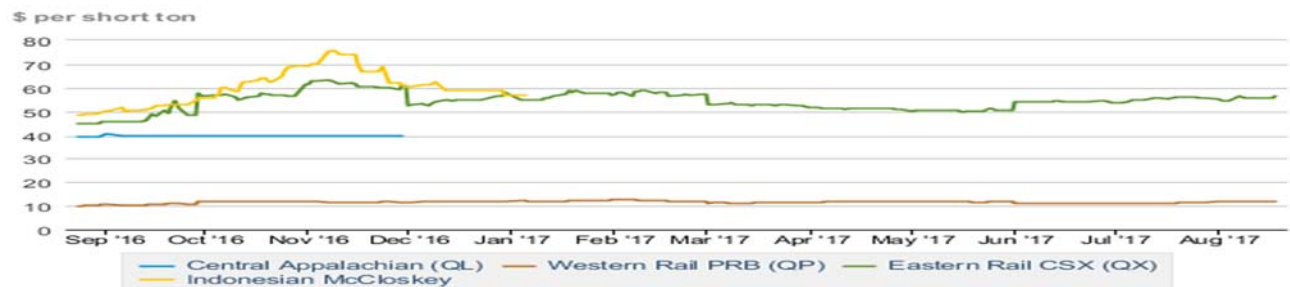
Coal and Coke Monthly Indicator for Internal U.S. Waterways



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.

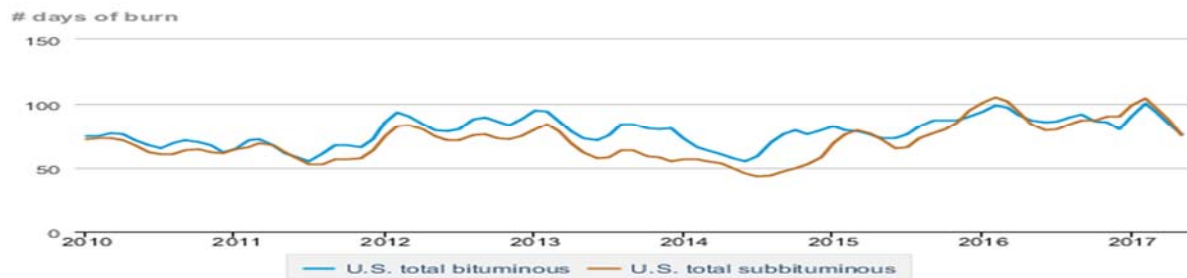
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	07/21/17	07/28/17	08/04/17	08/11/17	08/18/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$52.70	\$52.70	\$52.60	\$52.60	\$52.60	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.75	\$45.75	\$45.65	\$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	\$11.28	\$11.28	\$11.55	\$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 10)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	3	1	3	29	-13	-34
Middle Atlantic	4	1	4	33	-23	-33
E N Central	11	6	10	17	-36	-55
W N Central	11	8	10	28	-38	-39
South Atlantic	0	0	0	88	-7	-17
E S Central	0	0	0	71	-21	-41
W S Central	0	0	0	115	-9	-30
Mountain	5	2	4	74	2	-8
Pacific	0	-2	-2	71	25	21
United States	5	2	4	60	-12	-24

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: 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*

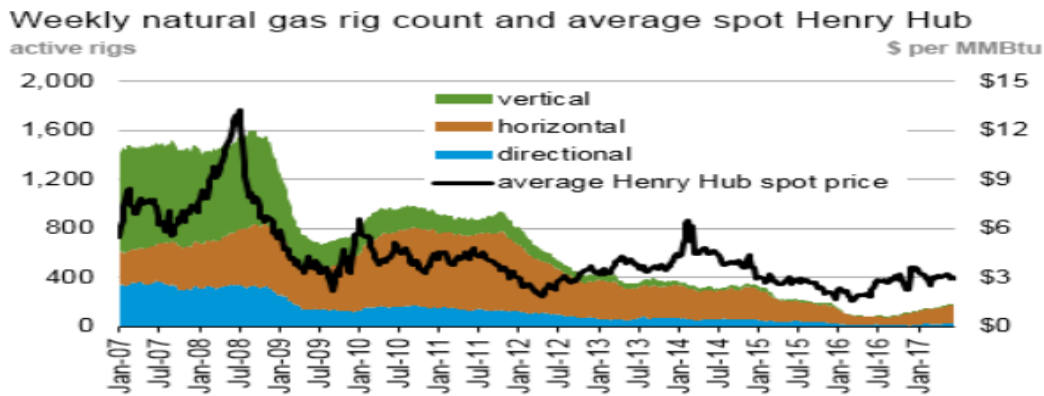
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2017-08-11	2017-08-04	change
East	701	673	28
Midwest	798	771	27
Mountain	204	202	2
Pacific	292	289	3
South Central	1,087	1,094	-7
Total	3,082	3,029 R	53

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		
	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*