

National Mining Association

Weekly Statistical Summary

September 22, 2017 Edition
(Data for Week Ending September 16, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 37
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PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	09/16/17	09/10/16	% Chng	09/16/17	09/16/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,503	14,459	7.2%	563,662	498,112	13.2%
52 Weeks Ended	807,192	738,136	9.4%			
AAR Coal Rail Cars Loaded:	89,069	87,058	2.3%	3,144,183	2,779,816	13.1%
Coal Production	Aug 17/16		% Chng	Jan - Aug 17/16		% Chng
Month Ended - August	73,834	68,261	8.2%	527,879	463,600	13.9%
DOC Coal Trade (000 Tons)						
Exports:	July 17/16			Jan - July 17/16		
			% Chng			% Chng
Metallurgical	4,221	2,425	74.1%	29,843	22,640	31.8%
Steam *	2,924	844	246.4%	21,259	8,707	144.2%
Lignite	7	6	16.7%	46	40	15.0%
Anthracite	31	5	520.0%	164	293	-44.0%
Total	7,183	3,280	119.0%	51,312	31,680	62.0%
Imports:	956	990	-3.4%	5,068	5,979	-15.2%
	Week Ended			Cumulative Week 1 to		
	09/16/17	09/17/16	% Chng	09/16/17	09/17/16	% Chng
EI Electric Total Output (Mil. Kwh)	75,251	80,570	-6.6%	2,867,829	2,924,163	-1.9%
EI Coal Region Output (Mil. Kwh)	64,362	70,217	-8.3%	2,462,459	2,523,703	-2.4%
AISI Raw Steel Output (000 Tons)	1,745	1,591	9.7%	64,378	62,208	3.5%

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)	
	09/15/17	09/08/17	% Chng	Wed.	09/13/17
Central App, 12,500 Btu, 1.2 SO ₂	\$54.25	\$53.25	1.9%	Henry Hub	2.99
Northern App, 13,000 Btu, < 3.0 SO ₂	46.10	46.25	-0.3%	New York	2.43
Illinois Basin, 11,800, 5.0 SO ₂	30.85	30.70	0.5%	Chicago	2.95
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.55	11.50	0.4%	Cal.Comp.Avg.	3.04
Uinta Basin, 11,700 Btu, 0.8 SO ₂	40.70	40.55	0.4%		

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		
	9/16/2017 (week 37)	9/9/2017 (week 36)	9/10/2016 (week 37)	9/16/2017	9/16/2016	% Change	9/16/2017	9/10/2016	% Change
Alabama	167	179	140	7,444	6,258	18.9	10,436	9,121	14.4
Alaska	14	14	14	640	692	-7.6	892	1,041	-14.3
Arizona	116	120	109	4,413	3,809	15.9	6,128	5,427	12.9
Arkansas	s	s	s	24	29	-17.1	26	52	-50.0
Colorado	289	280	226	9,959	8,140	22.3	14,659	12,217	20.0
Illinois	825	862	752	33,967	30,933	9.8	47,301	44,941	5.3
Indiana	591	611	540	23,084	20,330	13.5	32,021	28,848	11.0
Kansas	.	.	.	29	27	8.9	29	90	-67.8
Kentucky Total	784	794	763	30,443	30,067	1.3	43,989	45,367	-3.0
Eastern (KY)	286	286	283	11,482	11,751	-2.3	16,817	18,627	-9.7
Western (KY)	498	508	480	18,961	18,316	3.5	27,172	26,740	1.6
Louisiana	57	56	47	2,295	1,892	21.3	3,244	2,854	13.7
Maryland	37	36	32	1,183	1,016	16.4	1,771	1,502	17.9
Mississippi	59	60	57	2,170	1,999	8.6	3,094	2,747	12.6
Missouri	6	7	5	221	164	34.7	295	184	60.3
Montana	680	681	689	22,666	21,481	5.5	34,159	32,651	4.6
New Mexico	195	203	215	8,624	9,196	-6.2	12,968	15,004	-13.6
North Dakota	581	598	518	22,014	19,570	12.5	31,045	27,526	12.8
Ohio	181	198	220	7,661	9,649	-20.6	10,796	13,997	-22.9
Oklahoma	11	11	10	413	451	-8.4	604	658	-8.2
Pennsylvania Total	1,029	1,036	847	37,396	31,209	19.8	52,844	44,223	19.5
Anthracite (PA)	28	30	27	1,250	1,148	8.9	1,760	1,784	-1.3
Bituminous (PA)	1,000	1,006	820	36,146	30,061	20.2	51,084	42,439	20.4
Tennessee	9	10	12	410	467	-12.4	578	719	-19.6
Texas	808	826	755	29,786	27,332	9.0	42,367	38,204	10.9
Utah	287	291	239	10,789	9,569	12.8	15,189	13,512	12.4
Virginia	289	299	249	10,937	9,383	16.6	15,116	13,155	14.9
West Virginia Total	1,729	1,783	1,539	65,676	55,604	18.1	91,561	80,182	14.2
Northern (WV)	979	1,007	871	36,485	30,159	21.0	50,640	43,564	16.2
Southern (WV)	750	776	668	29,191	25,445	14.7	40,921	36,618	11.8
Wyoming	6,757	6,726	6,482	231,421	198,846	16.4	336,080	303,914	10.6
Appalachian Total	3,728	3,828	3,321	142,188	125,337	13.4	199,918	181,525	10.1
Interior Total	2,855	2,942	2,647	110,950	101,472	9.3	156,155	145,318	7.5
Western Total	8,920	8,913	8,491	310,524	271,303	14.5	451,120	411,293	9.7
East of Mississippi River	5,701	5,870	5,149	220,371	196,915	11.9	309,507	284,802	8.7
West of Mississippi River	9,802	9,813	9,310	343,291	301,198	14.0	497,686	453,334	9.8
Bituminous and Lignite	15,474	15,653	14,432	562,412	496,964	13.2	805,432	736,352	9.4
Anthracite	28	30	27	1,250	1,148	8.9	1,760	1,784	-1.3
U.S. Total	15,503	15,683	14,459	563,662	498,112	13.2	807,192	738,136	9.4
Railroad Cars Loaded	89,069	92,488	87,058	3,144,183	2,779,816	13.1	4,557,289	4,159,919	9.6

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 37

OUTPUT FOR WEEK ENDED - Sep 16, 2017

Sep 20, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Sep 16, 2017** was **75,251** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **175** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended September 16		52 Weeks Ended September 16	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,312	-1.5	120,209	-2.6
Mid-Atlantic	7,900	-8.5	422,066	-2.4
Central Industrial	11,825	-8.0	654,580	-2.7
West Central	6,696	6.0	324,065	-1.5
Southeast	17,321	-18.7	1,006,868	-1.3
South Central	14,799	-6.3	718,820	1.8
Rocky Mountain	5,821	9.9	279,638	0.6
Pacific Northwest	2,533	1.9	159,233	4.5
Pacific Southwest	6,044	9.5	284,580	0.0
Total United States	75,251	-6.6	3,970,059	-0.7

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
Aug 26	85,068	Aug 27	86,862	-2.1	Aug 26	3,992,599	-0.1
Sep 02	77,100	Sep 03	84,357	-8.6	Sep 02	3,985,341	-0.2
Sep 09	75,405	Sep 10	85,369	-11.7	Sep 09	3,975,377	-0.5
Sep 16	75,251	Sep 17	80,570	-6.6	Sep 16	3,970,059	-0.7
Sep 16	2,867,829	Sep 17	2,924,163	-1.9	YEAR TO DATE, FIRST 37 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Aug 26	173	Aug 27	178	Aug 29	201
Sep 02	159	Sep 03	180	Sep 05	217
Sep 09	160	Sep 10	195	Sep 12	200
Sep 16	175	Sep 17	191	Sep 19	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		
	16-Sep 2017 GWh Output	17-Sep 2016 GWh Output	% Increase Over Corresponding Week of 2016	16-Sep 2017 GWh Output	17-Sep 2016 GWh Output	% Increase Over Corresponding Week of 2016	16-Sep 2017 GWh Output	17-Sep 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,312	2,348	-1.5%	86,293	90,055	-4.2%	120,209	123,431	-2.6%
Mid-Atlantic	7,900	8,633	-8.5%	304,583	318,598	-4.4%	422,066	432,237	-2.4%
Central Industrial	11,825	12,851	-8.0%	471,054	493,311	-4.5%	654,580	672,591	-2.7%
West Central	6,696	6,320	5.9%	233,129	239,823	-2.8%	324,065	328,969	-1.5%
Southeast	17,321	21,318	-18.7%	727,632	752,725	-3.3%	1,006,868	1,019,921	-1.3%
South Central	14,799	15,800	-6.3%	524,944	522,459	0.5%	718,820	706,379	1.8%
Rocky Mountain	5,821	5,295	9.9%	201,117	196,787	2.2%	279,638	277,963	0.6%
Pacific Northwest	2,533	2,484	2.0%	113,010	105,999	6.6%	159,233	152,393	4.5%
Pacific Southwest	6,044	5,521	9.5%	206,068	204,406	0.8%	284,580	284,694	0.0%
Total United States ^{1/}	<u>75,251</u>	<u>80,570</u>	-6.6%	<u>2,867,830</u>	<u>2,924,163</u>	-1.9%	3,970,059	3,998,578	-0.7%
Coal Regions Only ^{2/}	64,362	70,217	-8.3%	2,462,459	2,523,703	-2.4%	3,406,037	3,438,060	-0.9%

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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September 18, 2017

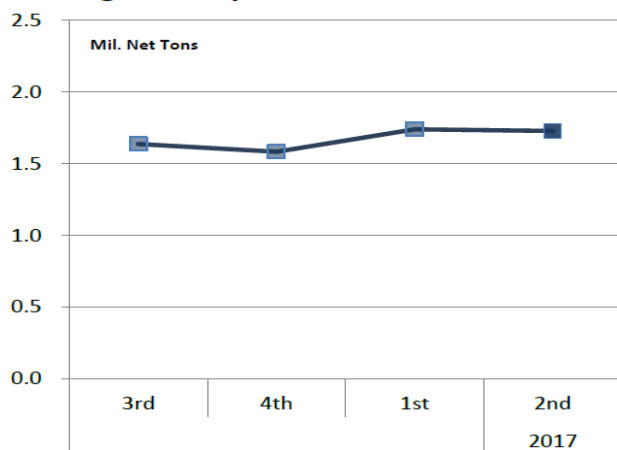
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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>Sep 16</u>	<u>Sep 9</u>	
<u>Week Ending</u>				North East	213	206
				Great Lakes	695	709
September 16, 2017	1,745	0.7	74.9	Midwest	165	159
September 16, 2016	1,591	9.7	68.0	Southern	599	589
September 9, 2017	1,733	-0.8	74.3	Western	<u>73</u>	<u>70</u>
				Total	1,745	1,733
<u>Year-to-Date +</u>						
September 16, 2017	64,378	3.5	74.6			
September 16, 2016	62,208	-	72.1			

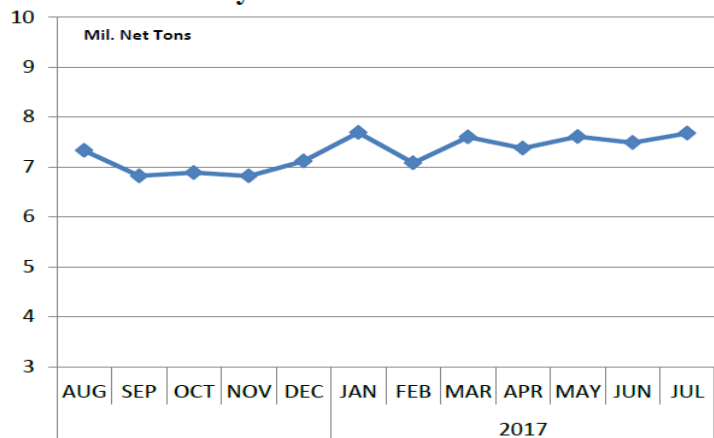
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

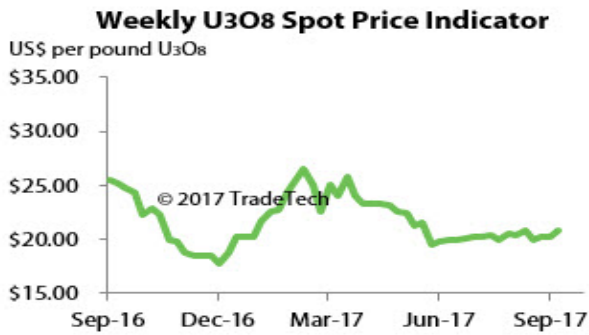


Source: Kitco website - www.kitco.com/connecting.html



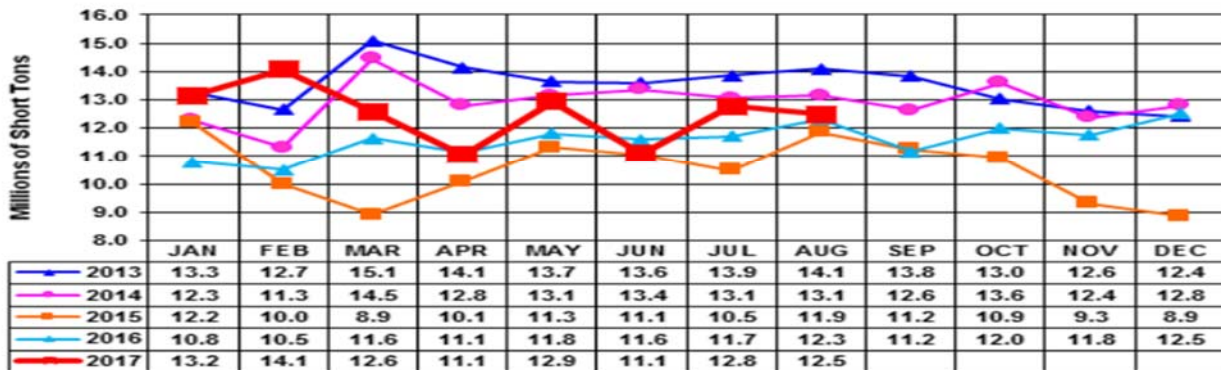
Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators



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

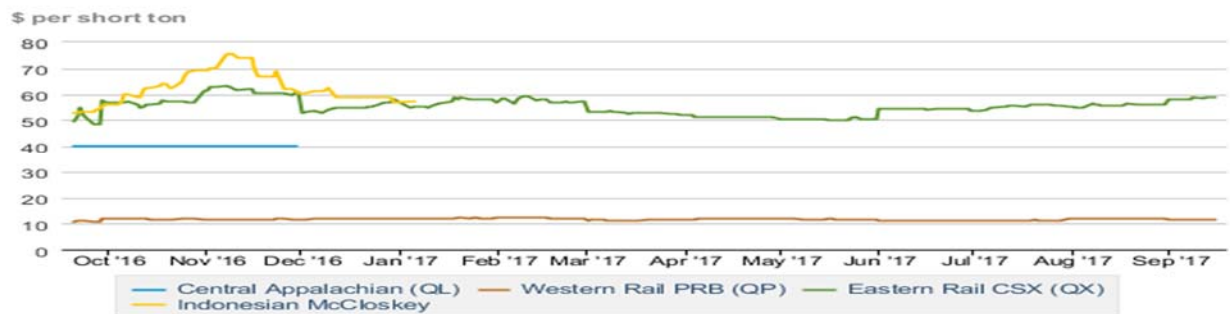
Coal and Coke Monthly Indicator for Internal U.S. Waterways



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.

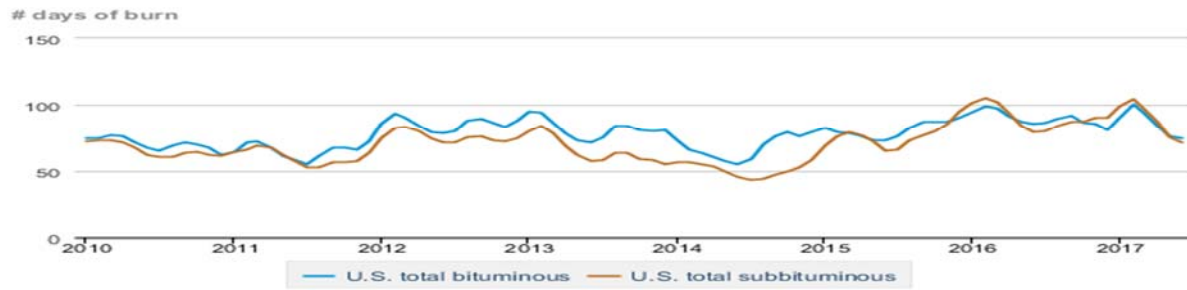
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	08/18/17	08/25/17	09/01/17	09/08/17	09/15/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$52.60	\$52.60	\$53.25	\$53.25	\$54.25	\$1.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.65	\$45.65	\$46.25	\$46.25	\$46.10	-\$0.15
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$30.70	\$30.70	\$30.70	\$30.70	\$30.85	\$0.15
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.55	\$11.55	\$11.50	\$11.50	\$11.55	\$0.05
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.70	\$40.70	\$40.55	\$40.55	\$40.70	\$0.15

Source: Energy Information Administration (with permission from SNL), *Coal News and Markets Report*

Days of burn by non-lignite coal rank, January 2009 - June 2017



 Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Sep 07)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	28	15	26	11	-2	-22
Middle Atlantic	26	19	25	7	-18	-35
E N Central	37	24	33	6	-19	-36
W N Central	26	8	21	22	-12	-22
South Atlantic	6	5	6	64	-10	-25
E S Central	11	10	11	42	-24	-51
W S Central	1	0	1	84	-17	-29
Mountain	5	-17	0	77	26	11
Pacific	0	-8	-5	87	51	56
United States	17	8	15	46	-2	-15

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 - 2nd Quarter	2016 Year to Date - 2nd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	487.0	484.0	1%
Cement (Mil. Mt.)	39.6	39.0	2%
Copper (000 Mt.)	650.0	722.0	-10%
Gold (Mt.)	121.0	106.0	14%
Gypsum (Mil. Mt.)	8.2	8.3	-1%
Iron Ore (Mil. Mt.)	21.1	19.2	10%
Lead (000 Mt.)	158.0	177.0	-11%
Molybdenum (000 Mt.)	19.3	17.4	11%
Phosphate rock (Mil. Mt.)	13.6	12.9	5%
Sand & gravel, construction (Mil. Mt.)	393.0	399.0	-2%
Silver (Mt.)	536.0	563.0	-5%
Soda ash (Mil. Mt.)	5.8	5.8	0%
Stone, crushed (Mil. Mt.)	626.0	640.0	-2%
Zinc (000 Mt.)	336.0	406.0	-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)



eia Source: Natural Gas Intelligence

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 2017		June 2016		% Change of Stocks	May 2017		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	4,506	72	7,035	118	-35.9%	4,468	73	0.8%
	Subbituminous	136	193	171	157	-20.3%	142	225	-4.0%
South	Bituminous	31,009	71	34,721	80	-10.7%	32,039	72	-3.2%
	Subbituminous	6,216	58	7,180	74	-13.4%	6,379	61	-2.6%
Midwest	Bituminous	15,249	79	18,434	91	-17.3%	15,530	80	-1.8%
	Subbituminous	40,987	72	45,364	76	-9.6%	42,418	76	-3.4%
West	Bituminous	5,779	83	5,862	75	-1.4%	6,048	86	-4.4%
	Subbituminous	30,245	73	36,341	84	-16.8%	31,509	78	-4.0%
U.S. Total	Bituminous	56,543	74	66,052	85	-14.4%	58,085	76	-2.7%
	Subbituminous	77,585	71	89,055	79	-12.9%	80,448	75	-3.6%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

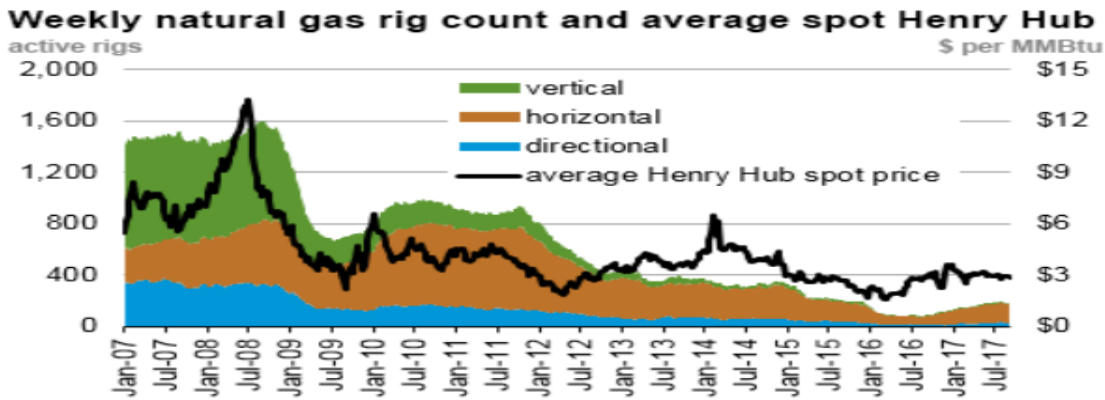
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2017-09-08	2017-09-01	change
East	809	781	28
Midwest	906	872	34
Mountain	208	205	3
Pacific	296	296	0
South Central	1,092	1,066	26
Total	3,311	3,220	91

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		
	September 2017	October 2017	change	September 2017	October 2017	change
Anadarko	372	376	4	2,512	2,521	9
Appalachia	129	129	-	14,238	14,179	(59)
Bakken	1,192	1,204	12	1,561	1,562	1
Eagle Ford	1,075	1,026	(49)	4,006	3,968	(38)
Haynesville	33	34	1	7,589	7,614	25
Niobrara	1,074	1,074	-	4,552	4,577	25
Permian	578	572	(6)	999	998	(1)
Total	596	586	(10)	3,410	3,407	(3)

Source: Energy Information Administration, *Drilling Productivity Report*