

National Mining Association

Weekly Statistical Summary

September 15, 2017 Edition
(Data for Week Ending September 9, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 36
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PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	09/09/17	09/03/16	% Chng	09/09/17	09/09/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,683	15,449	1.5%	548,160	482,771	13.5%
52 Weeks Ended	806,149	741,343	8.7%			
AAR Coal Rail Cars Loaded:	92,488	90,575	2.1%	3,055,114	2,689,574	13.6%
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		
	09/09/17	09/10/16	% Chng	09/09/17	09/10/16	% Chng
EI Electric Total Output (Mil. Kwh)	75,405	85,369	-11.7%	2,792,578	2,843,593	-1.8%
EI Coal Region Output (Mil. Kwh)	63,876	74,651	-14.4%	2,398,097	2,453,486	-2.3%
AISI Raw Steel Output (000 Tons)	1,733	1,591	8.9%	62,633	60,616	3.3%

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)	
	09/08/17	09/01/17	% Chng	Wed.	09/06/17
Central App, 12,500 Btu, 1.2 SO ₂	\$53.25	\$53.25	0.0%	Henry Hub	2.93
Northern App, 13,000 Btu, < 3.0 SO ₂	46.25	46.25	0.0%	New York	2.43
Illinois Basin, 11,800, 5.0 SO ₂	30.70	30.70	0.0%	Chicago	2.86
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.50	11.50	0.0%	Cal.Comp.Avg.	2.98
Uinta Basin, 11,700 Btu, 0.8 SO ₂	40.55	40.55	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									
	Week Ended			Year to Date			52 Weeks Ended		
Coal-Producing Region & State (thousand short tons)	9/9/2017 (week 36)	9/2/2017 (week 35)	9/3/2016 (week 36)	9/9/2017	9/9/2016	% Change	9/9/2017	9/3/2016	% Change
Alabama	179	196	149	7,277	6,110	19.1	10,408	9,224	12.8
Alaska	14	14	14	625	678	-7.7	892	1,047	-14.8
Arizona	120	127	116	4,297	3,693	16.4	6,121	5,450	12.3
Arkansas	s	s	s	24	29	-17.5	26	53	-50.9
Colorado	280	283	242	9,669	7,899	22.4	14,596	12,385	17.9
Illinois	862	896	803	33,143	30,136	10.0	47,229	45,233	4.4
Indiana	611	634	577	22,492	19,757	13.8	31,969	28,979	10.3
Kansas	.	.	.	29	27	8.9	29	93	-68.8
Kentucky Total	794	818	815	29,660	29,257	1.4	43,968	45,782	-4.0
Eastern (KY)	286	291	302	11,196	11,451	-2.2	16,813	18,872	-10.9
Western (KY)	508	527	513	18,464	17,806	3.7	27,155	26,910	0.9
Louisiana	56	57	51	2,238	1,842	21.5	3,235	2,898	11.6
Maryland	36	38	34	1,146	982	16.6	1,766	1,503	17.5
Mississippi	60	64	61	2,111	1,938	8.9	3,092	2,759	12.1
Missouri	7	7	5	214	159	35.0	294	182	61.5
Montana	681	728	736	21,985	20,750	6.0	34,168	32,828	4.1
New Mexico	203	225	229	8,428	8,969	-6.0	12,987	15,208	-14.6
North Dakota	598	628	554	21,432	19,021	12.7	30,982	27,575	12.4
Ohio	198	206	235	7,480	9,415	-20.6	10,835	14,104	-23.2
Oklahoma	11	11	11	402	440	-8.7	603	662	-8.9
Pennsylvania Total	1,036	1,065	905	36,367	30,310	20.0	52,662	44,437	18.5
Anthracite (PA)	30	32	29	1,222	1,120	9.1	1,758	1,802	-2.4
Bituminous (PA)	1,006	1,033	876	35,145	29,191	20.4	50,904	42,635	19.4
Tennessee	10	10	12	400	455	-12.0	580	726	-20.1
Texas	826	865	807	28,978	26,531	9.2	42,315	38,264	10.6
Utah	291	295	255	10,502	9,315	12.7	15,141	13,557	11.7
Virginia	299	309	267	10,648	9,118	16.8	15,076	13,169	14.5
West Virginia Total	1,783	1,871	1,644	63,947	53,971	18.5	91,371	80,383	13.7
Northern (WV)	1,007	1,059	931	35,506	29,234	21.5	50,531	43,544	16.0
Southern (WV)	776	812	714	28,441	24,737	15.0	40,840	36,839	10.9
Wyoming	6,726	7,075	6,926	224,664	191,969	17.0	335,805	304,845	10.2
Appalachian Total	3,828	3,986	3,548	138,460	121,814	13.7	199,510	182,418	9.4
Interior Total	2,942	3,061	2,828	108,095	98,664	9.6	155,946	146,032	6.8
Western Total	8,913	9,375	9,073	301,604	262,293	15.0	450,692	412,893	9.2
East of Mississippi River	5,870	6,107	5,502	214,671	191,451	12.1	308,955	286,299	7.9
West of Mississippi River	9,813	10,315	9,947	333,489	291,320	14.5	497,193	455,044	9.3
Bituminous and Lignite	15,653	16,390	15,421	546,937	481,652	13.6	804,390	739,542	8.8
Anthracite	30	32	29	1,222	1,120	9.1	1,758	1,802	-2.4
U.S. Total	15,683	16,421	15,449	548,160	482,771	13.5	806,149	741,343	8.7
Railroad Cars Loaded	92,488	94,510	90,575	3,055,114	2,689,574	13.6	4,555,278	4,176,266	9.1

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 36

OUTPUT FOR WEEK ENDED - Sep 09, 2017

Sep 13, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, **Sep 09, 2017** was **75,405** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **160** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION (48 CONTIGUOUS STATES)

	Week Ended September 09		52 Weeks Ended September 09	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,184	-14.7	120,245	-2.7
Mid-Atlantic	7,463	-22.1	422,800	-2.1
Central Industrial	11,431	-21.3	655,606	-2.5
West Central	5,826	-14.4	323,688	-1.6
Southeast	18,837	-14.7	1,010,865	-0.6
South Central	14,236	-11.0	719,821	2.0
Rocky Mountain	6,083	7.5	279,111	0.3
Pacific Northwest	2,691	10.5	159,184	4.4
Pacific Southwest	6,654	16.3	284,057	-0.4
Total United States	75,405	-11.7	3,975,377	-0.5

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
Aug 19	87,790	Aug 20	90,103	-2.6	Aug 19	3,994,393	0.0
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 09	2,792,578	Sep 10	2,843,593	-1.8	YEAR TO DATE, FIRST 36 WEEKS		

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

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

* 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		
	9-Sep 2017 GWh Output	10-Sep 2016 GWh Output	% Increase Over Corresponding Week of 2016	9-Sep 2017 GWh Output	10-Sep 2016 GWh Output	% Increase Over Corresponding Week of 2016	9-Sep 2017 GWh Output	10-Sep 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,184	2,561	-14.7%	83,981	87,707	-4.2%	120,245	123,559	-2.7%
Mid-Atlantic	7,463	9,583	-22.1%	296,683	309,965	-4.3%	422,800	432,071	-2.1%
Central Industrial	11,431	14,530	-21.3%	459,229	480,460	-4.4%	655,606	672,319	-2.5%
West Central	5,826	6,810	-14.4%	226,433	233,503	-3.0%	323,688	329,059	-1.6%
Southeast	18,837	22,074	-14.7%	710,311	731,407	-2.9%	1,010,865	1,016,975	-0.6%
South Central	14,236	15,995	-11.0%	510,145	506,659	0.7%	719,821	705,520	2.0%
Rocky Mountain	6,083	5,659	7.5%	195,296	191,492	2.0%	279,111	278,197	0.3%
Pacific Northwest	2,691	2,435	10.5%	110,477	103,515	6.7%	159,184	152,421	4.4%
Pacific Southwest	6,654	5,722	16.3%	200,024	198,885	0.6%	284,057	285,219	-0.4%
Total United States ^{1/}	<u>75,405</u>	<u>85,369</u>	-11.7%	<u>2,792,579</u>	<u>2,843,593</u>	-1.8%	<u>3,975,377</u>	<u>3,995,340</u>	-0.5%
Coal Regions Only ^{2/}	63,876	74,651	-14.4%	2,398,097	2,453,486	-2.3%	3,411,891	3,434,141	-0.6%

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 11, 2017

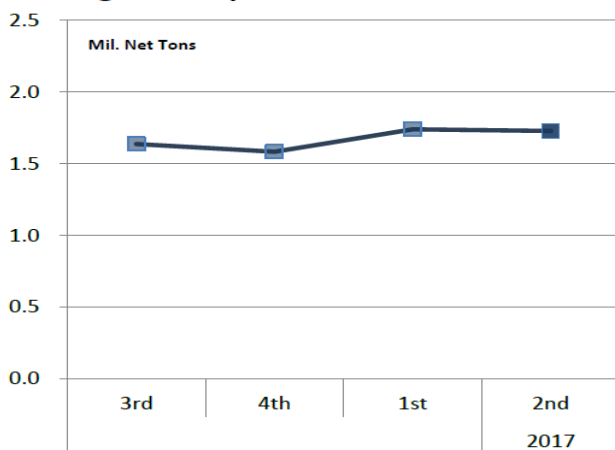
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 9</u>	<u>Sep 2</u>	
<u>Week Ending</u>				North East	206	213
				Great Lakes	709	676
September 9, 2017	1,733	-0.8	74.3	Midwest	159	160
September 9, 2016	1,591	8.9	68.0	Southern	589	622
September 2, 2017	1,747	0.4	74.9	Western	<u>70</u>	<u>76</u>
				Total	1,733	1,747
<u>Year-to-Date +</u>						
September 9, 2017	62,633	3.3	74.6			
September 9, 2016	60,616	-	72.1			

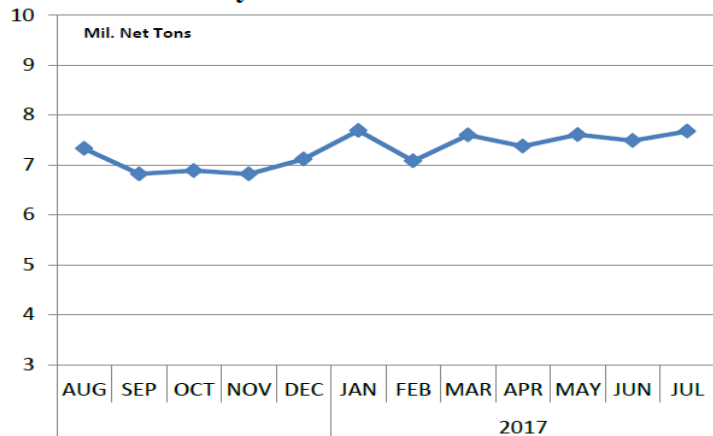
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

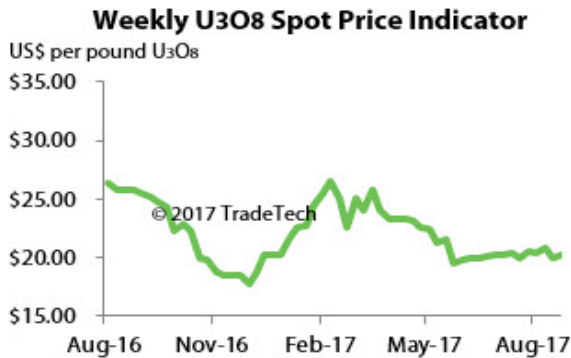


Source: Kitco website - www.kitco.com/connecting.html



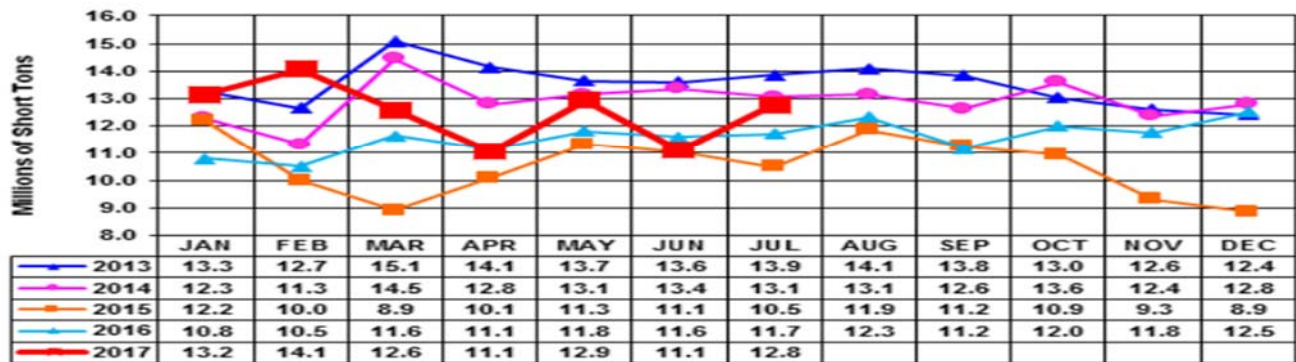
Source: Kitco website - www.kitco.com/connecting.html

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



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
	08/11/17	08/18/17	08/25/17	09/01/17	09/08/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$52.60	\$52.60	\$52.60	\$53.25	\$53.25	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.65	\$45.65	\$45.65	\$46.25	\$46.25	\$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	\$11.55	\$11.55	\$11.55	\$11.50	\$11.50	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.70	\$40.70	\$40.70	\$40.55	\$40.55	\$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 - June 2017



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Aug 31)

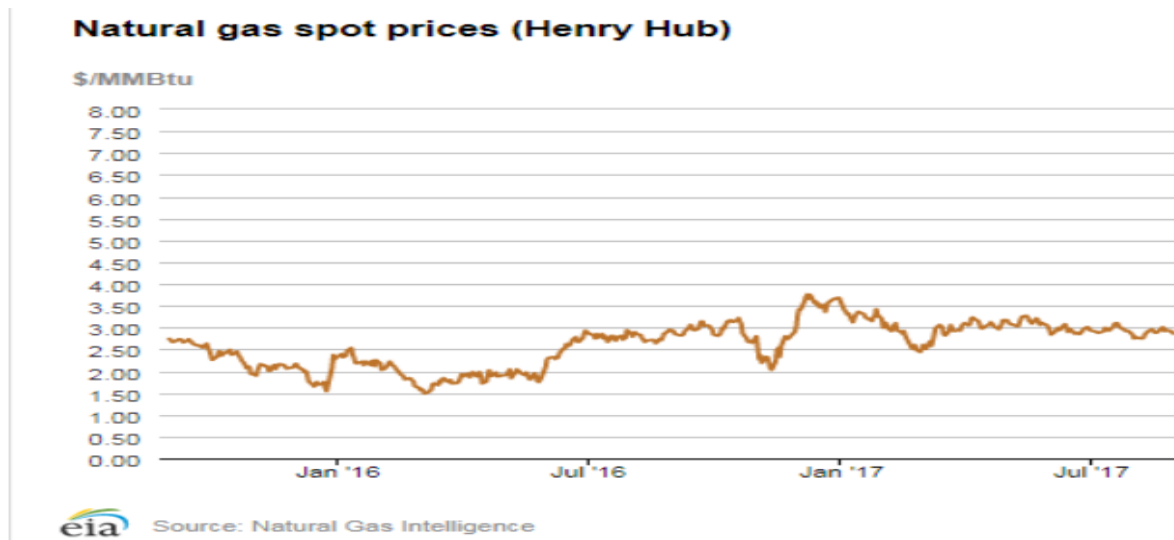
Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	21	13	21	2	-19	-63
Middle Atlantic	9	5	9	5	-28	-68
E N Central	17	9	17	11	-21	-57
W N Central	9	-3	4	32	-12	-25
South Atlantic	1	0	1	71	-10	-39
E S Central	1	0	1	61	-13	-52
W S Central	0	0	0	84	-26	-30
Mountain	0	-15	-9	85	25	22
Pacific	0	-6	0	86	46	32
United States	7	1	6	50	-5	-31

Note: HDD = heating degree day; CDD = cooling degree day

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.



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	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

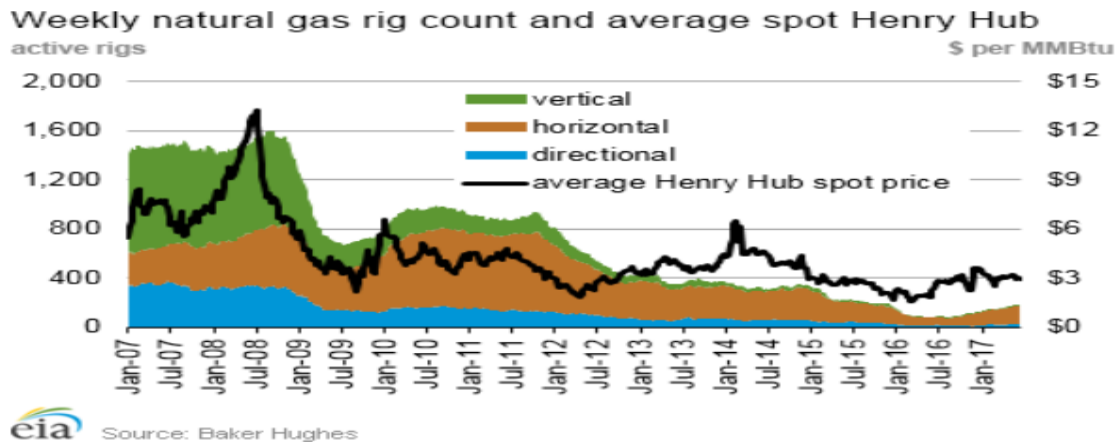
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2017-09-01	2017-08-25	change
East	781	749	32
Midwest	872	840	32
Mountain	205	205	0
Pacific	296	301	-5
South Central	1,066	1,060	6
Total	3,220	3,155	65

Source: U.S. Energy Information Administration

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

EIA Natural Gas Rig Count and Price Trend



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*