

National Mining Association

Weekly Statistical Summary

August 11, 2017 Edition
(Data for Week Ending August 5, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

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PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	08/05/17	07/30/16	% Chng	08/05/17	08/05/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	16,127	15,408	4.7%	465,818	406,764	14.5%
52 Weeks Ended	800,539	758,746	5.5%			
AAR Coal Rail Cars Loaded:	92,517	90,330	2.4%	2,579,333	2,241,980	15.0%
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		
	08/05/17	08/06/16	% Chng	08/05/17	08/06/16	% Chng
EI Coal Region Output (Mil. Kwh)	86,273	92,495	-6.7%	2,383,146	2,403,070	-0.8%
EI Non-Coal Region Output (Mil. Kwh)	73,755	80,566	-8.5%	2,046,911	2,071,254	-1.2%
AISI Raw Steel Output (000 Tons)	1,762	1,658	6.3%	53,870	52,451	2.7%

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	07/28/17	% Chng	Wed.	08/02/17
Central App, 12,500 Btu, 1.2 SO ₂	\$52.60	\$52.70	-0.2%	Henry Hub	2.77
Northern App, 13,000 Btu, < 3.0 SO ₂	45.65	45.75	-0.2%	New York	2.58
Illinois Basin, 11,800, 5.0 SO ₂	30.70	30.70	0.0%	Chicago	2.77
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.55	11.28	2.4%	Cal.Comp.Avg.	2.99
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		
	8/5/2017 (week 31)	7/29/2017 (week 30)	7/30/2016 (week 31)	8/5/2017	8/5/2016	% Change	8/5/2017	7/30/2016	% Change
Alabama	174	185	149	6,329	5,376	17.7	10,201	9,779	4.3
Alaska	15	15	14	551	606	-9.2	889	1,076	-17.4
Arizona	120	124	116	3,668	3,121	17.5	6,070	5,572	8.9
Arkansas	s	s	s	22	28	-21.2	25	62	-59.7
Colorado	301	289	241	8,205	6,710	22.3	14,333	13,283	7.9
Illinois	858	888	801	28,659	26,183	9.5	46,735	46,804	-0.1
Indiana	615	629	575	19,308	16,920	14.1	31,650	29,688	6.6
Kansas	.	.	.	29	27	8.9	29	110	-73.6
Kentucky Total	815	817	813	25,518	25,248	1.1	43,875	48,008	-8.6
Eastern (KY)	298	295	301	9,706	9,966	-2.6	16,823	20,186	-16.7
Western (KY)	518	523	512	15,812	15,282	3.5	27,052	27,822	-2.8
Louisiana	59	58	51	1,947	1,592	22.2	3,195	3,134	1.9
Maryland	39	37	34	953	814	17.0	1,743	1,511	15.4
Mississippi	61	62	61	1,794	1,640	9.4	3,076	2,825	8.9
Missouri	7	7	5	179	134	33.8	283	173	63.6
Montana	708	701	734	18,371	17,128	7.3	34,211	33,786	1.3
New Mexico	203	209	229	7,345	7,841	-6.3	13,042	16,297	-20.0
North Dakota	605	615	552	18,301	16,296	12.3	30,601	27,844	9.9
Ohio	189	204	234	6,458	8,260	-21.8	10,979	14,678	-25.2
Oklahoma	11	12	11	344	385	-10.8	600	681	-11.9
Pennsylvania Total	1,070	1,067	902	30,962	25,859	19.7	51,750	45,598	13.5
Anthracite (PA)	30	31	29	1,065	978	8.9	1,744	1,897	-8.1
Bituminous (PA)	1,041	1,036	874	29,897	24,881	20.2	50,006	43,700	14.4
Tennessee	9	10	12	350	394	-11.3	591	762	-22.4
Texas	840	850	805	24,651	22,560	9.3	41,996	38,598	8.8
Utah	298	299	255	8,995	8,059	11.6	14,902	13,799	8.0
Virginia	301	307	266	9,094	7,807	16.5	14,846	13,248	12.1
West Virginia Total	1,799	1,835	1,640	54,615	45,880	19.0	90,207	81,486	10.7
Northern (WV)	1,019	1,037	928	30,227	24,656	22.6	49,875	43,457	14.8
Southern (WV)	780	798	712	24,388	21,225	14.9	40,331	38,029	6.1
Wyoming	7,029	6,922	6,907	189,169	157,895	19.8	334,708	309,943	8.0
Appalachian Total	3,878	3,940	3,539	118,467	104,357	13.5	197,140	187,248	5.3
Interior Total	2,970	3,028	2,820	92,745	84,751	9.4	154,642	149,898	3.2
Western Total	9,279	9,173	9,048	254,605	217,656	17.0	448,756	421,600	6.4
East of Mississippi River	5,930	6,041	5,487	184,041	164,382	12.0	305,653	294,388	3.8
West of Mississippi River	10,197	10,100	9,920	281,777	242,382	16.3	494,886	464,358	6.6
Bituminous and Lignite	16,098	16,111	15,379	464,752	405,786	14.5	798,795	756,848	5.5
Anthracite	30	31	29	1,065	978	8.9	1,744	1,897	-8.1
U.S. Total	16,127	16,142	15,408	465,818	406,764	14.5	800,539	758,746	5.5
Railroad Cars Loaded	92,517	92,430	90,330	2,579,333	2,241,980	15.0	4,529,355	4,262,902	6.3

Source: Energy Information Administration



Weekly Electric Output

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OUTPUT FOR WEEK ENDED - Aug 05, 2017

Aug 09, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Aug 05, 2017** was **86,273** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **170** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended August 05		52 Weeks Ended August 05	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,645	-0.8	122,329	-1.0
Mid-Atlantic	9,416	-2.7	431,431	0.4
Central Industrial	13,726	-11.8	665,616	-0.4
West Central	6,807	-10.7	327,208	-0.4
Southeast	20,948	-10.2	1,018,773	0.8
South Central	16,553	-8.5	721,708	2.1
Rocky Mountain	6,305	0.2	278,202	-0.5
Pacific Northwest	2,949	9.8	158,829	4.3
Pacific Southwest	6,924	5.3	282,373	-1.5
Total United States	86,273	-6.7	4,006,469	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)
Jul 15	90,927	Jul 16	91,030	-0.1	Jul 15	4,019,073	1.1
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 05	2,383,146	Aug 06	2,403,070	-0.8	YEAR TO DATE, FIRST 31 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Jul 15	188	Jul 16	169	Jul 18	209
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

* 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		
	5-Aug 2017 GWh Output	6-Aug 2016 GWh Output	% Increase Over Corresponding Week of 2016	5-Aug 2017 GWh Output	6-Aug 2016 GWh Output	% Increase Over Corresponding Week of 2016	5-Aug 2017 GWh Output	6-Aug 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,645	2,666	-0.8%	72,095	73,736	-2.2%	122,329	123,521	-1.0%
Mid-Atlantic	9,416	9,673	-2.7%	254,389	259,041	-1.8%	431,431	429,608	0.4%
Central Industrial	13,726	15,556	-11.8%	396,501	407,722	-2.8%	665,616	668,104	-0.4%
West Central	6,807	7,620	-10.7%	194,625	198,175	-1.8%	327,208	328,601	-0.4%
Southeast	20,948	23,329	-10.2%	605,725	618,913	-2.1%	1,018,773	1,010,664	0.8%
South Central	16,553	18,096	-8.5%	431,418	426,044	1.3%	721,708	706,862	2.1%
Rocky Mountain	6,305	6,292	0.2%	164,253	161,359	1.8%	278,202	279,502	-0.5%
Pacific Northwest	2,949	2,687	9.8%	96,924	90,318	7.3%	158,829	152,234	4.3%
Pacific Southwest	6,924	6,576	5.3%	167,217	167,762	-0.3%	282,373	286,616	-1.5%
Total United States ^{1/}	<u>86,273</u>	<u>92,495</u>	-6.7%	<u>2,383,147</u>	<u>2,403,070</u>	-0.8%	4,006,469	3,985,712	0.5%
Coal Regions Only ^{2/}	73,755	80,566	-8.5%	2,046,911	2,071,254	-1.2%	3,442,938	3,423,341	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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August 7, 2017

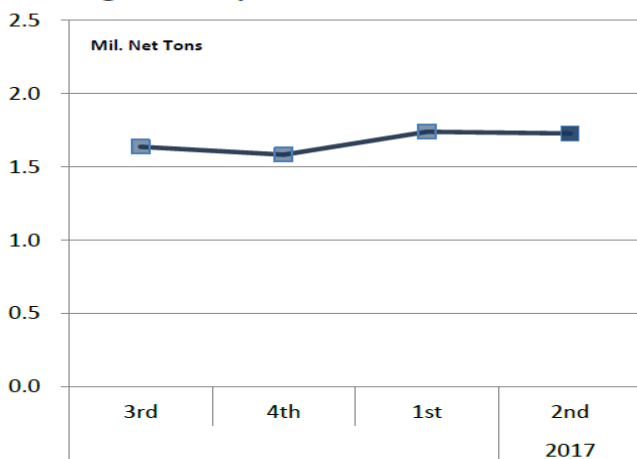
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 5</u>	<u>Jul 29</u>	
<u>Week Ending</u>				North East	215	213
				Great Lakes	662	672
August 5, 2017	1,762	-0.4	75.6	Midwest	164	168
August 5, 2016	1,658	6.3	70.9	Southern	642	640
July 29, 2017	1,769	-0.2	75.9	Western	<u>79</u>	<u>76</u>
				Total	1,762	1,769
<u>Year-to-Date +</u>						
August 5, 2017	53,870	2.7	74.5			
August 5, 2016	52,451	-	72.4			

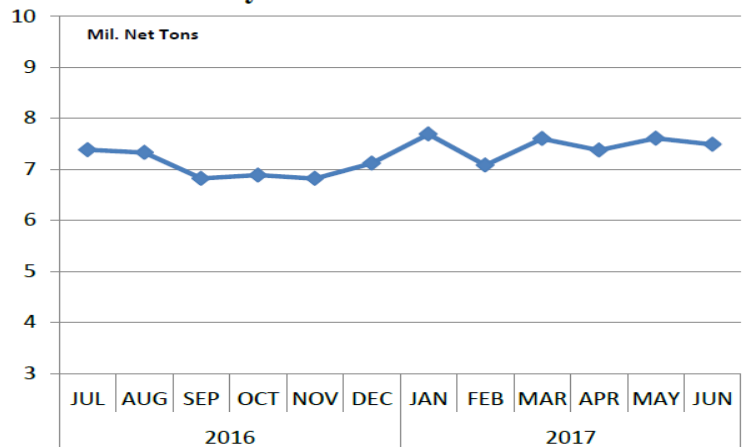
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 30.7 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

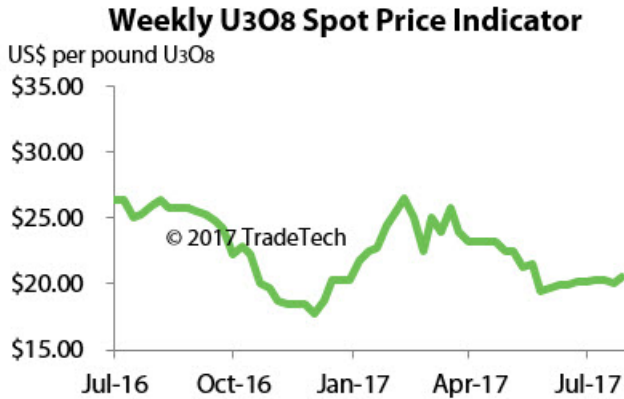


Source: Kitco website - www.kitco.com/connecting.html



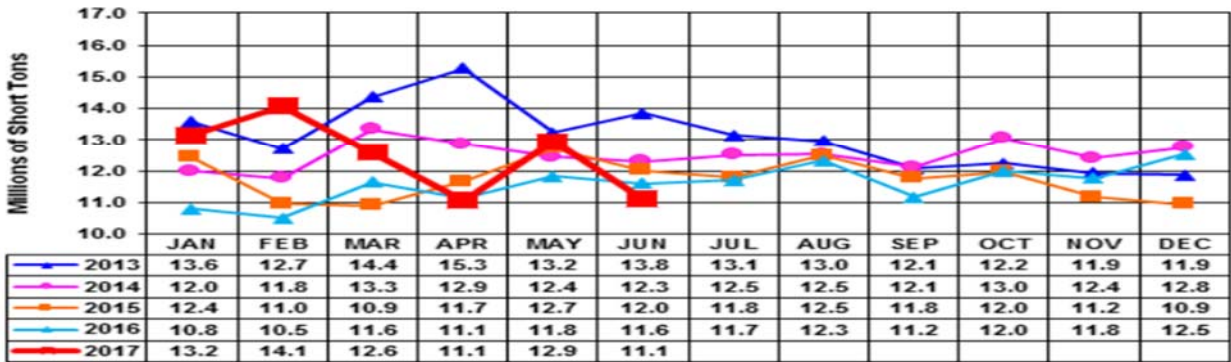
Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators



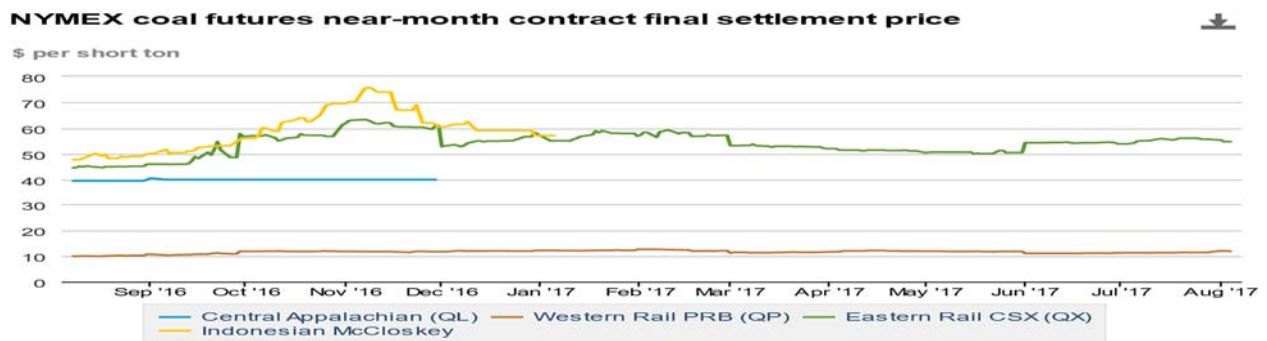
Sources: Trade Tech, Uranium Info Website – www.uranium.info ; Ux Consulting Co., LLC – <http://www.uxc.com>

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 change
	07/07/17	07/14/17	07/21/17	07/28/17	08/04/17	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$52.75	\$52.75	\$52.70	\$52.70	\$52.60	-\$0.10
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.80	\$45.80	\$45.75	\$45.75	\$45.65	-\$0.10
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	\$11.65	\$11.28	\$11.28	\$11.55	\$0.27
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.70	\$40.70	\$40.70	\$40.70	\$40.70	\$0.00

Source: With permission, [SNL Energy](#)

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 Jul 27)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	9	7	8	30	-15	-40
Middle Atlantic	1	-1	1	59	0	-29
E N Central	1	-2	1	63	5	-30
W N Central	0	-3	0	89	17	-13
South Atlantic	0	0	0	112	14	-6
E S Central	0	0	0	116	21	-7
W S Central	0	0	0	141	15	-4
Mountain	0	-3	0	85	5	-21
Pacific	0	-2	0	61	15	-14
United States	1	-1	1	85	10	-17

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

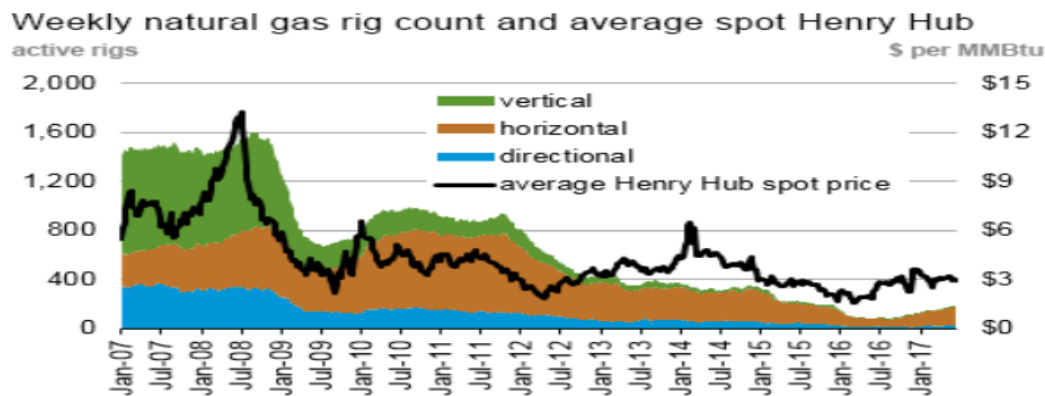
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2017-07-28	2017-07-21	change
East	651	626	25
Midwest	754	744	10
Mountain	200	197	3
Pacific	293	294	-1
South Central	1,112	1,129	-17
Total	3,010	2,990	20

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		
	July 2017	August 2017	change	July 2017	August 2017	change
Bakken	1,169	1,173	4	1,548	1,551	3
Eagle Ford	1,433	1,410	(23)	4,582	4,595	13
Haynesville	33	33	-	7,455	7,517	62
Marcellus	70	70	-	15,149	15,168	19
Niobrara	1,288	1,289	1	4,550	4,603	53
Permian	607	597	(10)	1,020	1,005	(15)
Utica	247	259	12	10,739	10,815	76
Total	720	713	(7)	3,584	3,604	20

Source: Energy Information Administration, *Drilling Productivity Report*