

National Mining Association

Weekly Statistical Summary

July 28, 2017 Edition
(Data for Week Ending July 22, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 29
Dated 07/28/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	07/22/17	07/16/16	% Chng	07/22/17	07/22/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,469	14,374	7.6%	433,549	376,248	15.2%
52 Weeks Ended	797,950	765,313	4.3%			
AAR Coal Rail Cars Loaded:	88,304	84,272	4.8%	2,394,386	2,063,071	16.1%
DOC Coal Trade (000 Tons)						
Exports:						
	May 17/16		% Chng	Jan - May 17/16		% Chng
Metallurgical	4,563	3,275	39.3%	21,345	16,792	27.1%
Steam *	2,660	928	186.6%	15,303	5,903	159.2%
Lignite	6	5	20.0%	31	28	10.7%
Anthracite	17	4	325.0%	127	242	-47.5%
Total	7,246	4,212	72.0%	36,806	22,965	60.3%
Imports:						
	1,053	910	15.7%	3,461	4,348	-20.4%
Week Ended						
	07/22/17	07/23/16	% Chng	Cumulative Week 1 to		
				07/22/17	07/23/16	% Chng
EI Electric Total Output (Mil. Kwh)	94,541	95,441	-0.9%	2,206,256	2,214,476	-0.4%
EI Coal Region Output (Mil. Kwh)	82,237	83,364	-1.4%	1,894,326	1,907,751	-0.7%
AISI Raw Steel Output (000 Tons)	1,773	1,667	6.4%	50,339	49,126	2.5%

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)	
	07/21/17	07/14/17	% Chng	Wed.	07/19/17
Central App, 12,500 Btu, 1.2 SO ₂	\$52.70	\$52.75	-0.1%	Henry Hub	3.10
Northern App, 13,000 Btu, < 3.0 SO ₂	45.75	45.80	-0.1%	New York	3.23
Illinois Basin, 11,800, 5.0 SO ₂	30.70	30.70	0.0%	Chicago	3.01
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.28	11.65	-3.2%	Cal.Comp.Avg.	2.98
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		
	7/22/2017 (week 29)	7/15/2017 (week 28)	7/16/2016 (week 29)	7/22/2017	7/22/2016	% Change	7/22/2017	7/16/2016	% Change
Alabama	185	165	139	5,970	5,082	17.5	10,129	9,991	1.4
Alaska	14	14	13	521	578	-9.8	887	1,087	-18.4
Arizona	119	114	108	3,424	2,891	18.5	6,050	5,618	7.7
Arkansas	s	s	s	21	27	-22.7	25	66	-62.1
Colorado	267	284	225	7,616	6,232	22.2	14,209	13,626	4.3
Illinois	844	811	748	26,914	24,596	9.4	46,533	47,402	-1.8
Indiana	598	582	537	18,064	15,781	14.5	31,513	29,956	5.2
Kansas	.	.	.	29	27	8.9	29	116	-75.0
Kentucky Total	771	771	758	23,886	23,638	1.0	43,808	48,858	-10.3
Eastern (KY)	274	281	281	9,113	9,370	-2.7	16,811	20,689	-18.7
Western (KY)	496	490	477	14,772	14,269	3.5	26,997	28,169	-4.2
Louisiana	53	56	47	1,830	1,492	22.6	3,176	3,224	-1.5
Maryland	36	37	32	877	747	17.4	1,732	1,514	14.4
Mississippi	60	58	56	1,671	1,520	9.9	3,069	2,850	7.7
Missouri	7	6	5	165	124	33.5	279	170	64.1
Montana	686	670	685	16,962	15,674	8.2	34,216	34,149	0.2
New Mexico	212	192	213	6,933	7,388	-6.2	13,070	16,714	-21.8
North Dakota	591	572	515	17,081	15,202	12.4	30,445	27,943	9.0
Ohio	194	179	219	6,065	7,796	-22.2	11,037	14,897	-25.9
Oklahoma	11	11	10	321	363	-11.7	599	689	-13.1
Pennsylvania Total	1,003	1,012	842	28,825	24,072	19.7	51,352	46,037	11.5
Anthracite (PA)	30	28	27	1,005	922	9.1	1,739	1,934	-10.1
Bituminous (PA)	973	984	815	27,820	23,151	20.2	49,613	44,103	12.5
Tennessee	10	9	11	330	370	-10.7	595	776	-23.3
Texas	814	795	751	22,960	20,966	9.5	41,856	38,720	8.1
Utah	278	282	238	8,397	7,555	11.2	14,795	13,890	6.5
Virginia	291	285	248	8,486	7,281	16.6	14,750	13,276	11.1
West Virginia Total	1,762	1,701	1,530	50,982	42,632	19.6	89,733	81,897	9.6
Northern (WV)	997	964	866	28,172	22,817	23.5	49,608	43,416	14.3
Southern (WV)	765	738	664	22,810	19,815	15.1	40,125	38,482	4.3
Wyoming	6,665	6,648	6,444	175,217	144,215	21.5	334,063	311,846	7.1
Appalachian Total	3,755	3,669	3,301	110,649	97,349	13.7	196,139	189,077	3.7
Interior Total	2,884	2,809	2,631	86,747	79,165	9.6	154,077	151,362	1.8
Western Total	8,831	8,776	8,442	236,153	199,734	18.2	447,735	424,874	5.4
East of Mississippi River	5,753	5,610	5,119	172,070	153,514	12.1	304,251	297,455	2.3
West of Mississippi River	9,716	9,644	9,255	261,479	222,733	17.4	493,699	467,858	5.5
Bituminous and Lignite	15,440	15,226	14,347	432,544	375,326	15.2	796,211	763,380	4.3
Anthracite	30	28	27	1,005	922	9.1	1,739	1,934	-10.1
U.S. Total	15,469	15,254	14,374	433,549	376,248	15.2	797,950	765,313	4.3
Railroad Cars Loaded	88,304	86,548	84,272	2,394,386	2,063,071	16.1	4,518,415	4,295,482	5.2

Source: Energy Information Administration



Weekly Electric Output

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OUTPUT FOR WEEK ENDED - Jul 22, 2017

Jul 26, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, Jul 22, 2017 was 94,541 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 186 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended July 22		52 Weeks Ended July 22	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,936	0.0	123,084	-0.3
Mid-Atlantic	10,708	1.6	433,674	1.1
Central Industrial	15,023	-3.7	669,068	0.4
West Central	7,917	-4.6	328,221	0.0
Southeast	24,211	-0.6	1,021,957	1.4
South Central	17,950	0.0	722,223	2.2
Rocky Mountain	6,428	-2.7	278,713	-0.1
Pacific Northwest	2,711	3.5	158,570	4.2
Pacific Southwest	6,657	2.1	282,664	-1.0
Total United States	94,541	-0.9	4,018,173	1.0

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
Jul 01	82,260	Jul 02	86,222	-4.6	Jul 01	4,019,701	1.3
Jul 08	87,622	Jul 09	88,147	-0.6	Jul 08	4,019,176	1.2
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 22	2,206,256	Jul 23	2,214,476	-0.4	YEAR TO DATE, FIRST 29 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Jul 01	172	Jul 02	178	Jul 04	194
Jul 08	188	Jul 09	174	Jul 11	209
Jul 15	188	Jul 16	169	Jul 18	209
Jul 22	186	Jul 23	178	Jul 25	216

* 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		
	22-Jul 2017 GWh Output	23-Jul 2016 GWh Output	% Increase Over Corresponding Week of 2016	22-Jul 2017 GWh Output	23-Jul 2016 GWh Output	% Increase Over Corresponding Week of 2016	22-Jul 2017 GWh Output	23-Jul 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,936	2,938	-0.1%	67,115	68,001	-1.3%	123,084	123,457	-0.3%
Mid-Atlantic	10,708	10,539	1.6%	236,078	238,488	-1.0%	433,674	429,160	1.1%
Central Industrial	15,023	15,603	-3.7%	369,020	376,789	-2.1%	669,068	666,262	0.4%
West Central	7,917	8,302	-4.6%	180,263	182,799	-1.4%	328,221	328,173	0.0%
Southeast	24,211	24,369	-0.6%	560,777	570,781	-1.8%	1,021,957	1,008,221	1.4%
South Central	17,950	17,944	0.0%	396,756	390,868	1.5%	722,223	706,939	2.2%
Rocky Mountain	6,428	6,607	-2.7%	151,432	148,026	2.3%	278,713	278,910	-0.1%
Pacific Northwest	2,711	2,618	3.6%	91,111	84,764	7.5%	158,570	152,204	4.2%
Pacific Southwest	6,657	6,521	2.1%	153,705	153,960	-0.2%	282,664	285,588	-1.0%
Total United States ^{1/}	<u>94,541</u>	<u>95,441</u>	-0.9%	<u>2,206,257</u>	<u>2,214,476</u>	<u>-0.4%</u>	4,018,174	3,978,914	1.0%
Coal Regions Only ^{2/}	82,237	83,364	-1.4%	1,894,326	1,907,751	-0.7%	3,453,856	3,417,665	1.1%

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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July 24, 2017

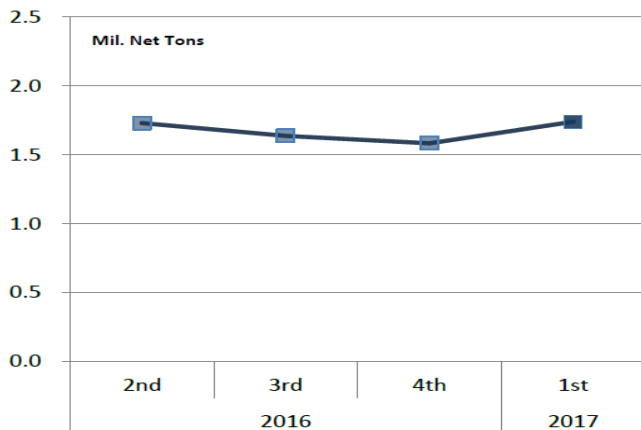
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 July 22</u>	<u>Jul 15</u>	
<u>Week Ending</u>				North East	214	212
				Great Lakes	677	669
July 22, 2017	1,773	0.6	76.1	Midwest	166	168
July 22, 2016	1,667	6.4	71.3	Southern	637	639
July 15, 2017	1,763	1.7	75.6	Western	<u>79</u>	<u>75</u>
				Total	1,773	1,763
<u>Year-to-Date +</u>						
July 22, 2017	50,339	2.5	74.5			
July 22, 2016	49,126	-	72.4			

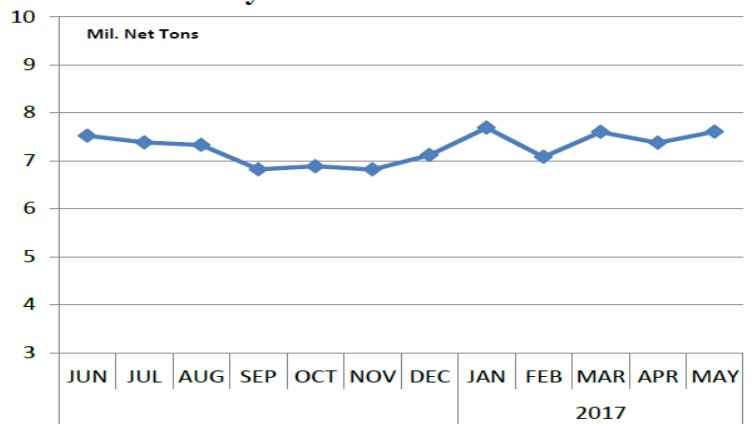
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 second quarter 2017 is approximately 30.3 million net tons vs. 30.4 million net tons for the same period last year, and 30.0 million tons for the first 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

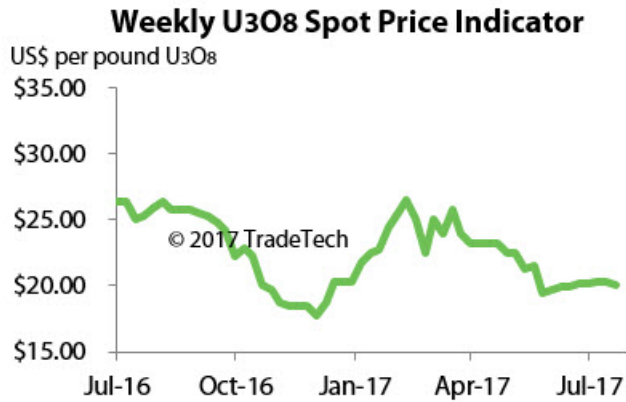


Source: Kitco website - www.kitco.com/connecting.html



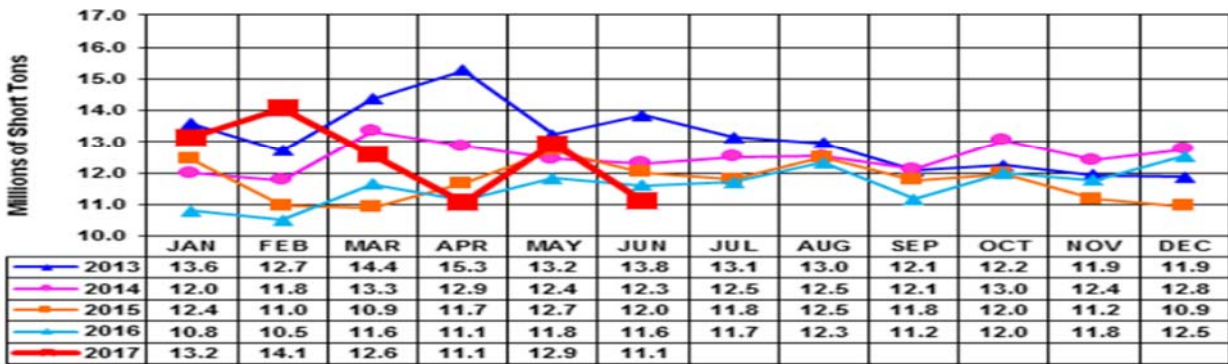
Source: Kitco website - www.kitco.com/connecting.html

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
	06/23/17	06/30/17	07/07/17	07/14/17	07/21/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$52.55	\$52.55	\$52.75	\$52.75	\$52.70	-\$0.05
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.65	\$45.65	\$45.80	\$45.80	\$45.75	-\$0.05
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$30.95	\$30.95	\$30.70	\$30.70	\$30.70	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.55	\$11.55	\$11.65	\$11.65	\$11.28	-\$0.37
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.35	\$40.35	\$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 Jul 13)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	1	0	-5	48	9	15
Middle Atlantic	0	0	0	66	12	-1
E N Central	2	1	1	61	7	-7
W N Central	1	-2	1	80	11	7
South Atlantic	0	0	0	108	12	-8
E S Central	0	0	0	97	5	-8
W S Central	0	0	0	126	4	-16
Mountain	0	-6	-3	102	26	20
Pacific	0	-5	-3	78	38	41
United States	1	-1	0	86	14	4

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)



eia 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*

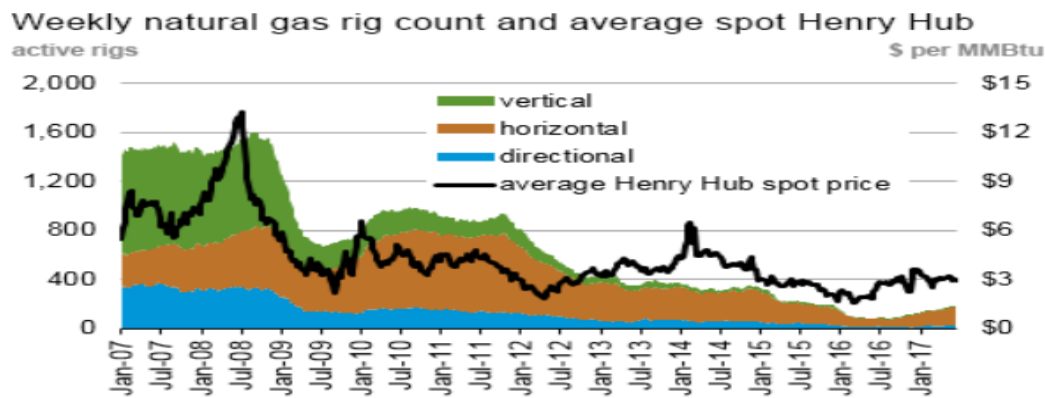
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2017-07-14	2017-07-07	change
	East	609	588
Midwest	733	719	14
Mountain	194	193	1
Pacific	292	292	0
South Central	1,145	1,153	-8
Total	2,973	2,945	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		
	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*