

National Mining Association

Weekly Statistical Summary

October 13, 2017 Edition
(Data for Week Ending October 7, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 40
Dated 10/13/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	10/07/17	10/01/16	% Chng	10/07/17	10/07/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,162	15,708	-3.5%	605,735	544,301	11.3%
52 Weeks Ended	803,220	730,315	10.0%			
AAR Coal Rail Cars Loaded:	87,521	91,943	-4.8%	3,404,244	3,049,464	11.6%
DOC Coal Trade (000 Tons)						
Exports:						
	Aug 17/16		% Chng	Jan - Aug 17/16		% Chng
Metallurgical	5,189	3,823	35.7%	35,032	26,463	32.4%
Steam *	3,376	1,158	191.5%	24,635	9,865	149.7%
Lignite	7	6	16.7%	53	46	15.2%
Anthracite	7	21	-66.7%	171	314	-45.5%
Total	8,579	5,008	71.3%	59,891	36,688	63.2%
Imports:						
	839	943	-11.0%	5,907	6,922	-14.7%
Week Ended						
	10/07/17	10/08/16	% Chng	Cumulative Week 1 to		
				10/07/17	10/08/16	% Chng
EI Electric Total Output (Mil. Kwh)	74,293	72,741	2.1%	3,102,795	3,151,843	-1.6%
EI Coal Region Output (Mil. Kwh)	64,291	62,720	2.5%	2,666,822	2,719,654	-1.9%
AISI Raw Steel Output (000 Tons)	1,741	1,655	5.2%	69,545	67,045	3.7%

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)	
	10/06/17	09/29/17	% Chng	Wed.	10/04/17
Central App, 12,500 Btu, 1.2 SO ₂	\$55.50	\$56.25	-1.3%	Henry Hub	2.81
Northern App, 13,000 Btu, < 3.0 SO ₂	45.40	46.10	-1.5%	New York	2.78
Illinois Basin, 11,800, 5.0 SO ₂	32.60	30.85	5.7%	Chicago	2.71
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.75	11.55	1.7%	Cal.Comp.Avg.	2.74
Uinta Basin, 11,700 Btu, 0.8 SO ₂	41.10	40.70	1.0%		

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



Weekly U.S. Coal Production Overview									
	Week Ended			Year to Date			52 Weeks Ended		
Coal-Producing Region & State (thousand short tons)	10/7/2017 (week 40)	9/30/2017 (week 39)	10/1/2016 (week 40)	10/7/2017	10/7/2016	% Change	10/7/2017	10/1/2016	% Change
Alabama	226	175	158	9,328	6,754	38.1	11,868	8,849	34.1
Alaska	14	14	15	660	737	-10.5	869	1,023	-15.1
Arizona	121	117	117	4,743	4,147	14.4	6,112	5,378	13.6
Arkansas	s	s	s	32	30	7.1	33	47	-29.8
Colorado	339	274	255	12,192	8,932	36.5	16,163	11,797	37.0
Illinois	845	843	824	37,592	33,388	12.6	48,525	44,171	9.9
Indiana	603	597	585	24,587	22,042	11.5	31,808	28,542	11.4
Kansas	27	-100.0	.	80	.
Kentucky Total	809	776	836	34,017	32,558	4.5	45,127	44,246	2.0
Eastern (KY)	328	280	313	14,101	12,699	11.0	18,531	17,939	3.3
Western (KY)	482	496	523	19,916	19,859	0.3	26,596	26,307	1.1
Louisiana	64	55	53	2,225	2,056	8.2	3,021	2,739	10.3
Maryland	36	35	35	1,401	1,122	24.8	1,886	1,501	25.6
Mississippi	61	59	61	2,422	2,177	11.3	3,166	2,724	16.2
Missouri	6	7	5	216	179	20.7	275	190	44.7
Montana	626	666	747	24,724	23,674	4.4	34,025	32,226	5.6
New Mexico	248	198	241	10,202	9,939	2.7	13,856	14,420	-3.9
North Dakota	543	584	566	22,197	21,250	4.5	29,575	27,440	7.8
Ohio	151	194	233	7,328	10,306	-28.9	9,769	13,700	-28.7
Oklahoma	9	11	11	439	485	-9.6	597	649	-8.0
Pennsylvania Total	1,007	1,013	932	39,824	34,007	17.1	52,563	43,749	20.1
Anthracite (PA)	32	29	30	1,404	1,238	13.4	1,827	1,733	5.4
Bituminous (PA)	976	984	902	38,420	32,768	17.2	50,736	42,016	20.8
Tennessee	9	9	12	406	502	-19.1	538	700	-23.1
Texas	679	807	819	28,662	29,734	-3.6	38,839	38,127	1.9
Utah	262	284	263	10,977	10,362	5.9	14,612	13,409	9.0
Virginia	272	292	271	11,370	10,178	11.7	14,755	13,139	12.3
West Virginia Total	1,742	1,743	1,672	72,054	60,517	19.1	93,038	79,739	16.7
Northern (WV)	942	984	941	38,171	32,901	16.0	49,557	43,663	13.5
Southern (WV)	800	758	731	33,883	27,617	22.7	43,480	36,076	20.5
Wyoming	6,487	6,575	6,995	248,138	219,199	13.2	332,202	301,733	10.1
Appalachian Total	3,772	3,742	3,626	155,812	136,086	14.5	202,948	179,315	13.2
Interior Total	2,749	2,876	2,882	116,090	109,976	5.6	152,859	143,575	6.5
Western Total	8,641	8,712	9,200	333,833	298,239	11.9	447,413	407,426	9.8
East of Mississippi River	5,762	5,738	5,619	240,330	213,552	12.5	313,042	281,059	11.4
West of Mississippi River	9,400	9,593	10,089	365,405	330,749	10.5	490,178	449,257	9.1
Bituminous and Lignite	15,130	15,301	15,679	604,331	543,063	11.3	801,393	728,582	10.0
Anthracite	32	29	30	1,404	1,238	13.4	1,827	1,733	5.4
U.S. Total	15,162	15,330	15,708	605,735	544,301	11.3	803,220	730,315	10.0
Railroad Cars Loaded	87,521	88,150	91,943	3,404,244	3,049,464	11.6	4,547,552	4,122,308	10.3

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 40

OUTPUT FOR WEEK ENDED - Oct 07, 2017

Oct 11, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Oct 07, 2017 was 74,293 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 187 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended October 07		52 Weeks Ended October 07	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,101	0.1	120,475	-2.4
Mid-Atlantic	7,550	3.3	423,600	-2.1
Central Industrial	11,703	3.2	657,398	-2.4
West Central	6,031	3.7	325,116	-1.3
Southeast	19,247	-0.1	1,008,053	-1.5
South Central	14,529	4.8	721,173	1.7
Rocky Mountain	5,231	2.1	279,110	0.8
Pacific Northwest	2,635	0.6	159,212	4.5
Pacific Southwest	5,266	-0.7	283,208	-0.3
Total United States	74,293	2.1	3,977,344	-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)
Sep 16	75,251	Sep 17	80,570	-6.6	Sep 16	3,970,059	-0.7
Sep 23	81,983	Sep 24	81,953	0.0	Sep 23	3,970,089	-0.9
Sep 30	78,690	Oct 01	72,986	7.8	Sep 30	3,975,793	-0.7
Oct 07	74,293	Oct 08	72,741	2.1	Oct 07	3,977,345	-0.7
Oct 07	3,102,795	Oct 08	3,151,843	-1.6	YEAR TO DATE, FIRST 40 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Sep 16	175	Sep 17	191	Sep 19	179
Sep 23	197	Sep 24	197	Sep 26	178
Sep 30	193	Oct 01	180	Oct 03	175
Oct 07	187	Oct 08	185	Oct 10	161

* 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		
	7-Oct 2017 GWh Output	8-Oct 2016 GWh Output	% Increase Over Corresponding Week of 2016	7-Oct 2017 GWh Output	8-Oct 2016 GWh Output	% Increase Over Corresponding Week of 2016	7-Oct 2017 GWh Output	8-Oct 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,101	2,098	0.1%	93,184	96,678	-3.6%	120,475	123,471	-2.4%
Mid-Atlantic	7,550	7,307	3.3%	329,478	341,961	-3.7%	423,600	432,811	-2.1%
Central Industrial	11,703	11,343	3.2%	509,686	529,126	-3.7%	657,398	673,813	-2.4%
West Central	6,031	5,813	3.8%	252,447	258,090	-2.2%	325,116	329,273	-1.3%
Southeast	19,247	19,263	-0.1%	788,037	811,944	-2.9%	1,008,053	1,023,709	-1.5%
South Central	14,529	13,870	4.8%	570,704	565,866	0.9%	721,173	709,191	1.7%
Rocky Mountain	5,231	5,124	2.1%	216,470	212,667	1.8%	279,110	276,881	0.8%
Pacific Northwest	2,635	2,620	0.6%	120,724	113,734	6.1%	159,212	152,345	4.5%
Pacific Southwest	5,266	5,303	-0.7%	222,066	221,777	0.1%	283,208	284,062	-0.3%
Total United States ^{1/}	74,293	72,741	2.1%	3,102,796	3,151,843	-1.6%	3,977,345	4,005,556	-0.7%
Coal Regions Only ^{2/}	64,291	62,720	2.5%	2,666,822	2,719,654	-1.9%	3,414,450	3,445,678	-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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October 9, 2017

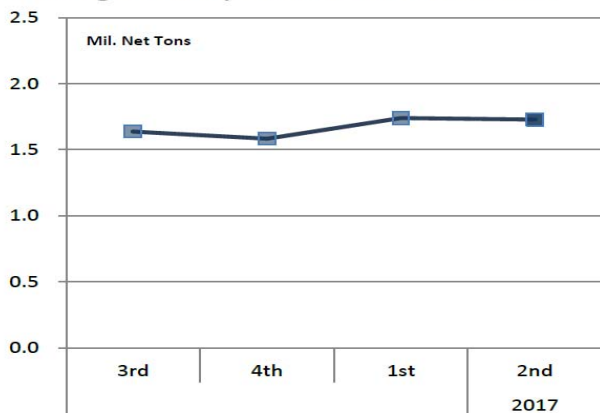
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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>Oct 7</u>	<u>Sep 30</u>	
<u>Week Ending</u>				North East	197	198
				Great Lakes	707	703
October 7, 2017	1,741	2.1	74.7	Midwest	168	163
October 7, 2016	1,655	5.2	70.8	Southern	594	575
September 30, 2017	1,706	-0.8	73.2	Western	<u>75</u>	<u>67</u>
				Total	1,741	1,706
<u>Year-to-Date +</u>						
October 7, 2017	69,545	3.7	74.6			
October 7, 2016	67,045	-	72.2			

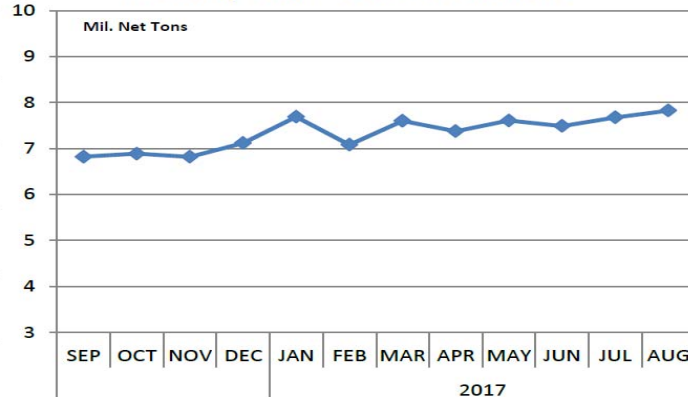
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

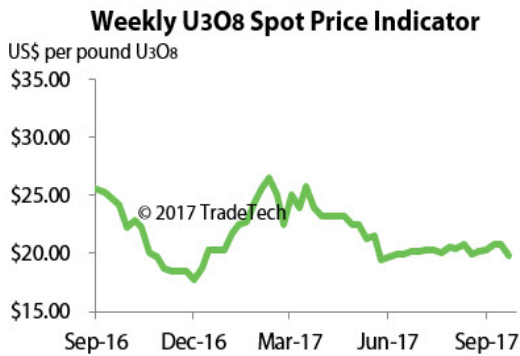
U.S. Rail Traffic¹
 Week 39, 2017 – Ended September 30, 2017

	This Week		Year-To-Date		
	Cars	vs 2016	Cumulative	Avg/wk ²	vs 2016
Total Carloads	272,662	-1.6%	10,106,660	259,145	3.8%
Chemicals	31,655	1.5%	1,207,465	30,961	0.2%
Coal	88,150	-4.1%	3,316,721	85,044	12.3%
Farm Products excl. Grain, and Food	16,559	-4.9%	617,845	15,842	-1.7%
Forest Products	11,054	5.3%	392,023	10,052	-1.6%
Grain	23,630	-14.5%	859,689	22,043	0.3%
Metallic Ores and Metals	23,956	6.1%	884,605	22,682	4.2%
Motor Vehicles and Parts	17,461	-11.6%	648,416	16,626	-7.4%
Nonmetallic Minerals	40,970	13.1%	1,433,547	36,758	8.0%
Petroleum and Petroleum Products	9,309	-9.8%	368,811	9,457	-14.8%
Other	9,918	3.7%	377,538	9,680	-2.1%
Total Intermodal Units	286,893	5.5%	10,432,552	267,501	3.5%
Total Traffic	559,555	1.9%	20,539,212	526,646	3.6%

¹ Excludes U.S. operations of CN and Canadian Pacific.
² Average per week figures may not sum to totals as a result of independent rounding.

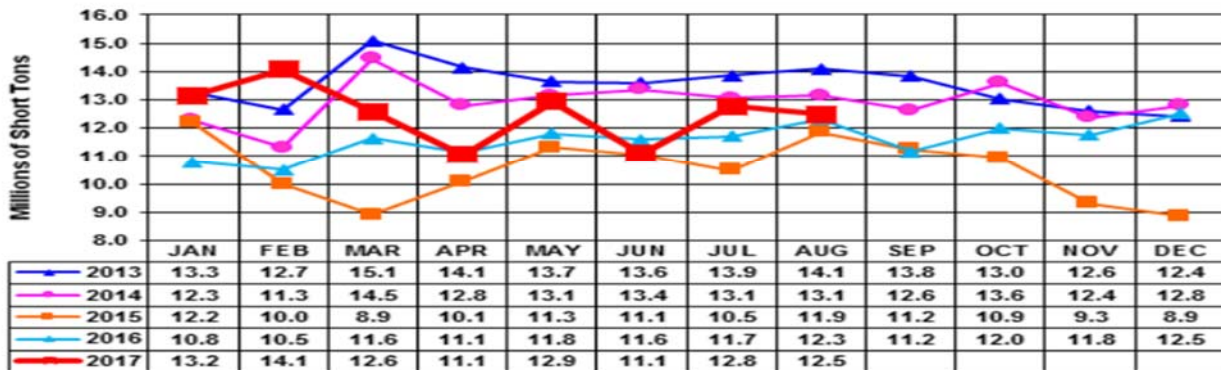
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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.

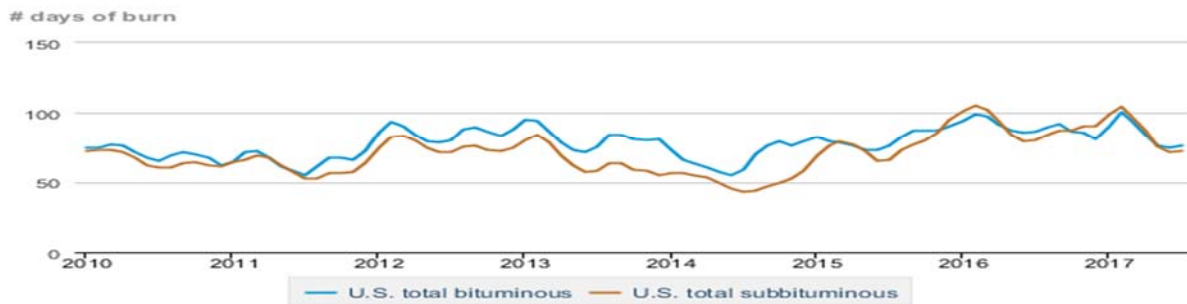
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago change
	09/08/17	09/15/17	09/22/17	09/29/17	10/06/17	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$53.25	\$54.25	\$54.25	\$56.25	\$55.50	-\$0.75
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$46.25	\$46.10	\$46.10	\$46.10	\$45.40	-\$0.70
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$30.70	\$30.85	\$30.85	\$30.85	\$32.60	\$1.75
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.50	\$11.55	\$11.55	\$11.55	\$11.75	\$0.20
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.55	\$40.70	\$40.70	\$40.70	\$41.10	\$0.40

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

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



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Sep 28)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	3	-48	-11	41	40	23
Middle Atlantic	1	-40	-12	51	45	31
E N Central	7	-37	-4	63	57	33
W N Central	22	-24	3	41	31	4
South Atlantic	0	-16	0	84	35	0
E S Central	0	-16	0	76	42	-10
W S Central	1	-3	1	93	30	-2
Mountain	75	26	45	12	-17	-13
Pacific	17	1	11	16	-6	-23
United States	12	-19	3	56	30	6

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)



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	July 2017		July 2016		% Change of Stocks	June 2017		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	3,915	72	6,341	115	-38.3%	4,506	72	-13.1%
	Subbituminous	129	166	163	134	-20.9%	136	193	-5.5%
South	Bituminous	28,498	75	30,410	79	-6.3%	31,009	71	-8.1%
	Subbituminous	5,709	55	6,510	69	-12.3%	6,216	58	-8.2%
Midwest	Bituminous	13,750	76	17,322	92	-20.6%	15,249	79	-9.8%
	Subbituminous	38,044	73	42,815	78	-11.1%	40,987	72	-7.2%
West	Bituminous	5,576	82	5,689	75	-2.0%	5,779	83	-3.5%
	Subbituminous	28,432	74	33,520	85	-15.2%	30,245	73	-6.0%
U.S. Total	Bituminous	51,738	76	59,762	86	-13.4%	56,543	74	-8.5%
	Subbituminous	72,313	72	83,007	80	-12.9%	77,585	71	-6.8%

Source: Energy Information Administration, *Electricity Monthly Update*

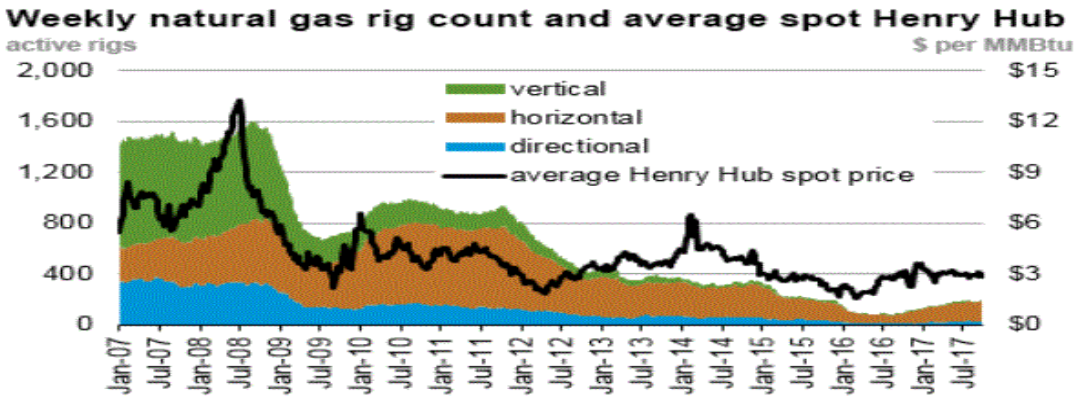
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2017-09-29	2017-09-22	change
East	861	848	13
Midwest	989	964	25
Mountain	220	217	3
Pacific	311	307	4
South Central	1,127	1,130	-3
Total	3,508	3,466	42

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		
	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*