

National Mining Association

Weekly Statistical Summary

September 8, 2017 Edition
(Data for Week Ending September 2, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 35
Dated 09/08/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	09/02/17	08/27/16	% Chng	09/02/17	09/02/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	16,421	15,602	5.2%	532,477	468,234	13.7%
52 Weeks Ended	805,915	744,880	8.2%			
AAR Coal Rail Cars Loaded:	94,510	91,469	3.3%	2,962,626	2,602,363	13.8%
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		
	09/02/17	09/03/16	% Chng	09/02/17	09/03/16	% Chng
EI Electric Total Output (Mil. Kwh)	77,100	84,357	-8.6%	2,717,173	2,758,224	-1.5%
EI Coal Region Output (Mil. Kwh)	64,769	73,019	-11.3%	2,334,221	2,378,835	-1.9%
AISI Raw Steel Output (000 Tons)	1,747	1,609	8.6%	60,900	59,025	3.2%

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)	
	09/01/17	08/25/17	% Chng	Wed.	09/30/17
Central App, 12,500 Btu, 1.2 SO ₂	\$53.25	\$52.60	1.2%	Henry Hub	2.86
Northern App, 13,000 Btu, < 3.0 SO ₂	46.25	45.65	1.3%	New York	1.88
Illinois Basin, 11,800, 5.0 SO ₂	30.70	30.70	0.0%	Chicago	2.79
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.50	11.55	-0.4%	Cal.Comp.Avg.	3.39
Uinta Basin, 11,700 Btu, 0.8 SO ₂	40.55	40.70	-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		
	9/2/2017 (week 35)	8/26/2017 (week 34)	8/27/2016 (week 35)	9/2/2017	9/2/2016	% Change	9/2/2017	8/27/2016	% Change
Alabama	196	181	151	7,097	5,970	18.9	10,377	9,336	11.2
Alaska	14	15	15	611	664	-8.0	892	1,053	-15.3
Arizona	127	125	117	4,177	3,584	16.6	6,117	5,475	11.7
Arkansas	s	s	s	23	29	-18.4	26	55	-52.7
Colorado	283	312	244	9,389	7,672	22.4	14,558	12,566	15.9
Illinois	896	891	811	32,280	29,380	9.9	47,170	45,552	3.6
Indiana	634	639	582	21,881	19,215	13.9	31,935	29,123	9.7
Kansas	.	.	.	29	27	8.9	29	96	-69.8
Kentucky Total	818	846	823	28,865	28,491	1.3	43,989	46,232	-4.9
Eastern (KY)	291	309	305	10,909	11,167	-2.3	16,829	19,138	-12.1
Western (KY)	527	537	518	17,956	17,323	3.7	27,160	27,095	0.2
Louisiana	57	61	51	2,182	1,794	21.6	3,230	2,946	9.6
Maryland	38	40	34	1,109	950	16.7	1,764	1,505	17.2
Mississippi	64	64	61	2,051	1,881	9.0	3,092	2,773	11.5
Missouri	7	7	5	208	154	34.7	292	180	62.2
Montana	728	735	744	21,304	20,057	6.2	34,223	33,022	3.6
New Mexico	225	211	231	8,226	8,753	-6.0	13,013	15,428	-15.7
North Dakota	628	628	559	20,835	18,499	12.6	30,938	27,630	12.0
Ohio	206	196	237	7,281	9,194	-20.8	10,871	14,220	-23.6
Oklahoma	11	12	11	390	429	-9.0	603	666	-9.5
Pennsylvania Total	1,065	1,111	914	35,331	29,459	19.9	52,530	44,673	17.6
Anthracite (PA)	32	31	29	1,192	1,093	9.1	1,757	1,821	-3.5
Bituminous (PA)	1,033	1,080	885	34,139	28,366	20.3	50,773	42,852	18.5
Tennessee	10	10	12	391	444	-11.9	583	733	-20.5
Texas	865	873	815	28,152	25,771	9.2	42,296	38,332	10.3
Utah	295	310	258	10,212	9,075	12.5	15,106	13,606	11.0
Virginia	309	312	269	10,349	8,868	16.7	15,044	13,185	14.1
West Virginia Total	1,871	1,867	1,661	62,164	52,424	18.6	91,233	80,608	13.2
Northern (WV)	1,059	1,058	940	34,498	28,359	21.7	50,455	43,528	15.9
Southern (WV)	812	810	721	27,666	24,065	15.0	40,778	37,080	10.0
Wyoming	7,075	7,297	6,994	217,938	185,452	17.5	336,005	305,885	9.8
Appalachian Total	3,986	4,026	3,583	134,632	118,475	13.6	199,231	183,399	8.6
Interior Total	3,061	3,083	2,856	105,153	96,003	9.5	155,832	146,817	6.1
Western Total	9,375	9,634	9,163	292,691	253,756	15.3	450,852	414,665	8.7
East of Mississippi River	6,107	6,157	5,556	208,801	186,274	12.1	308,588	287,940	7.2
West of Mississippi River	10,315	10,587	10,045	323,676	281,960	14.8	497,327	456,940	8.8
Bituminous and Lignite	16,390	16,713	15,573	531,284	467,142	13.7	804,158	743,059	8.2
Anthracite	32	31	29	1,192	1,093	9.1	1,757	1,821	-3.5
U.S. Total	16,421	16,743	15,602	532,477	468,234	13.7	805,915	744,880	8.2
Railroad Cars Loaded	94,510	96,317	91,469	2,962,626	2,602,363	13.8	4,553,365	4,193,899	8.6

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 35

OUTPUT FOR WEEK ENDED - Sep 02, 2017

Sep 07, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Sep 02, 2017** was **77,100** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **159** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended September 02		52 Weeks Ended September 02	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,150	-17.9	120,622	-2.5
Mid-Atlantic	7,473	-18.6	424,920	-1.7
Central Industrial	11,737	-13.8	658,705	-1.9
West Central	6,324	-8.6	324,672	-1.4
Southeast	18,940	-12.8	1,014,103	-0.2
South Central	14,046	-11.5	721,579	2.3
Rocky Mountain	6,249	9.6	278,688	0.0
Pacific Northwest	2,713	7.2	158,928	4.2
Pacific Southwest	7,468	20.6	283,125	-1.1
Total United States	77,100	-8.6	3,985,342	-0.2

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
Aug 12	84,069	Aug 13	93,832	-10.4	Aug 12	3,996,706	0.1
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 02	2,717,173	Sep 03	2,758,224	-1.5	YEAR TO DATE, FIRST 35 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Aug 12	166	Aug 13	189	Aug 15	203
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

* 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		
	2-Sep 2017 GWh Output	3-Sep 2016 GWh Output	% Increase Over Corresponding Week of 2016	2-Sep 2017 GWh Output	3-Sep 2016 GWh Output	% Increase Over Corresponding Week of 2016	2-Sep 2017 GWh Output	3-Sep 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,150	2,618	-17.9%	81,797	85,146	-3.9%	120,622	123,749	-2.5%
Mid-Atlantic	7,473	9,185	-18.6%	289,220	300,382	-3.7%	424,920	432,079	-1.7%
Central Industrial	11,737	13,616	-13.8%	447,798	465,930	-3.9%	658,705	671,439	-1.9%
West Central	6,324	6,917	-8.6%	220,607	226,693	-2.7%	324,672	329,119	-1.4%
Southeast	18,940	21,731	-12.8%	691,474	709,333	-2.5%	1,014,103	1,015,834	-0.2%
South Central	14,046	15,870	-11.5%	495,909	490,664	1.1%	721,579	705,293	2.3%
Rocky Mountain	6,249	5,700	9.6%	189,213	185,833	1.8%	278,688	278,581	0.0%
Pacific Northwest	2,713	2,530	7.2%	107,786	101,080	6.6%	158,928	152,499	4.2%
Pacific Southwest	7,468	6,190	20.6%	193,370	193,163	0.1%	283,125	286,323	-1.1%
Total United States ^{1/}	<u>77,100</u>	<u>84,357</u>	-8.6%	<u>2,717,174</u>	<u>2,758,224</u>	-1.5%	3,985,342	3,994,916	-0.2%
Coal Regions Only ^{2/}	64,769	73,019	-11.3%	2,334,221	2,378,835	-1.9%	3,422,667	3,432,345	-0.3%

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 5, 2017

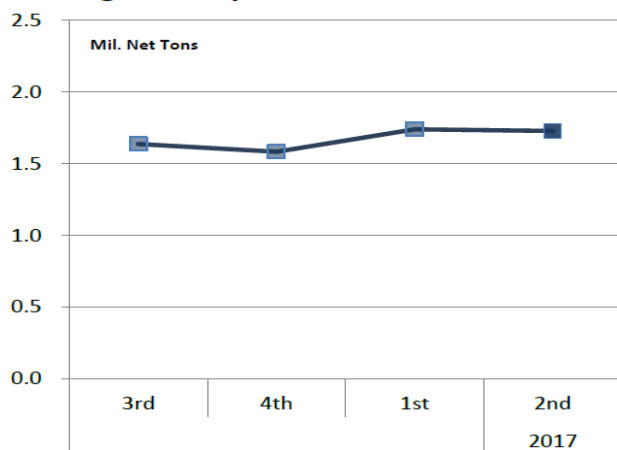
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 2</u>	<u>Aug 26</u>	
<u>Week Ending</u>				North East	213	197
				Great Lakes	676	662
September 2, 2017	1,747	0.4	74.9	Midwest	160	165
September 2, 2016	1,609	8.6	68.8	Southern	622	641
August 26, 2017	1,740	-1.3	74.6	Western	<u>76</u>	<u>75</u>
				Total	1,747	1,740
<u>Year-to-Date +</u>						
September 2, 2017	60,900	3.2	74.6			
September 2, 2016	59,025	-	72.1			

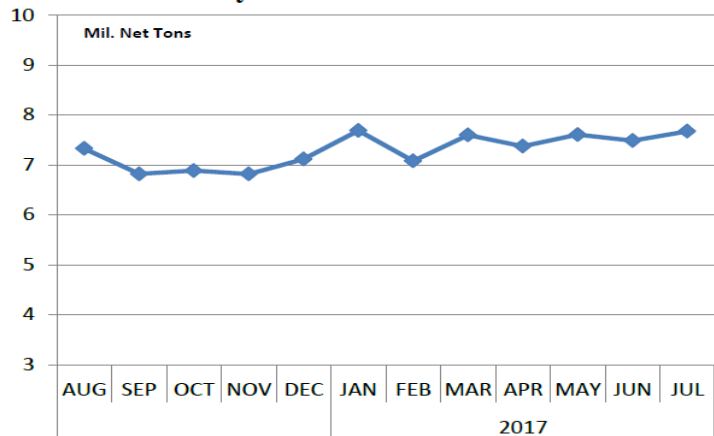
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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



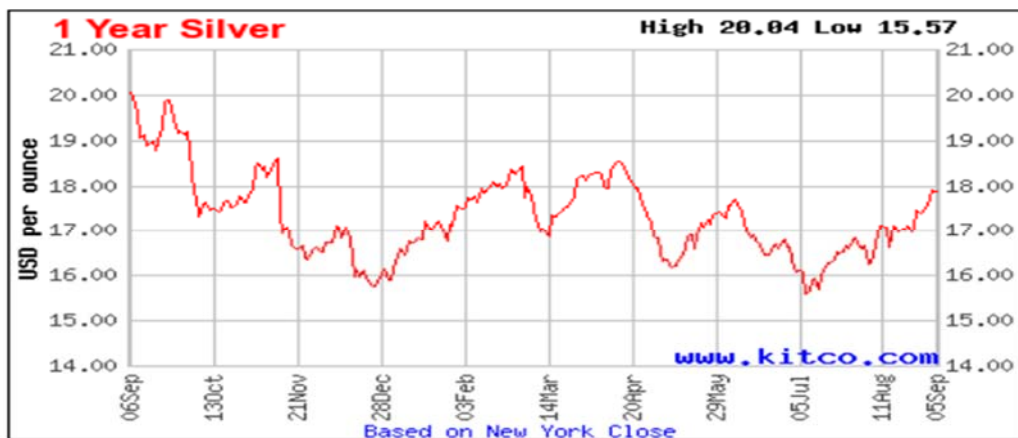
*Steel in the first solid state after melting suitable for further processing or sale, including ingots, steel for castings and strand or pressure cast blooms, slabs or other product forms. ** Based on tonnage capability to produce raw steel for a sustained full order book.



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

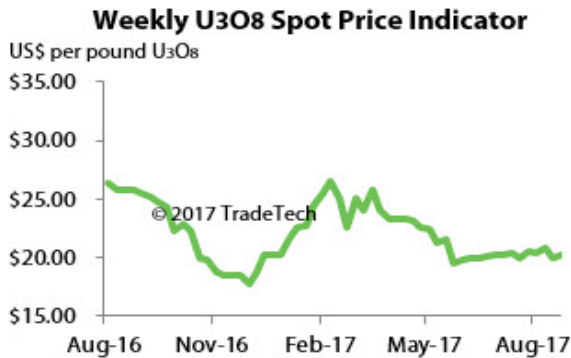


Source: Kitco website - www.kitco.com/connecting.html



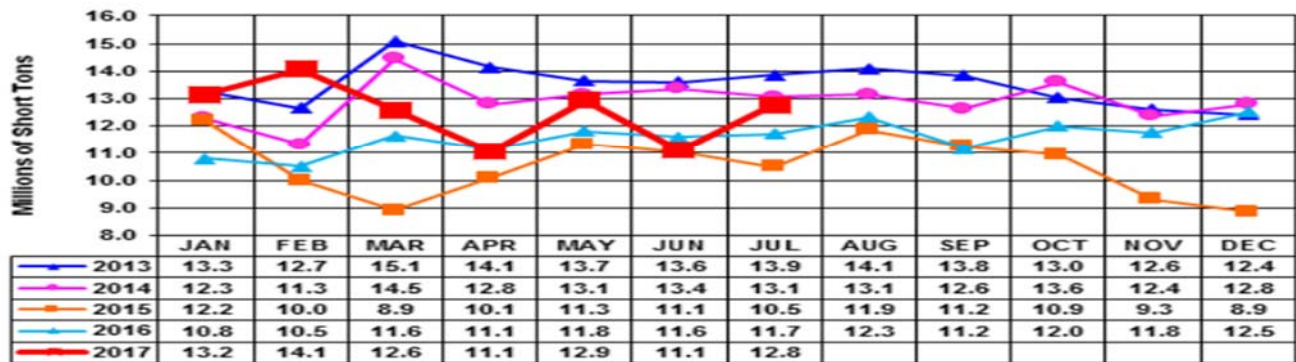
Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators



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

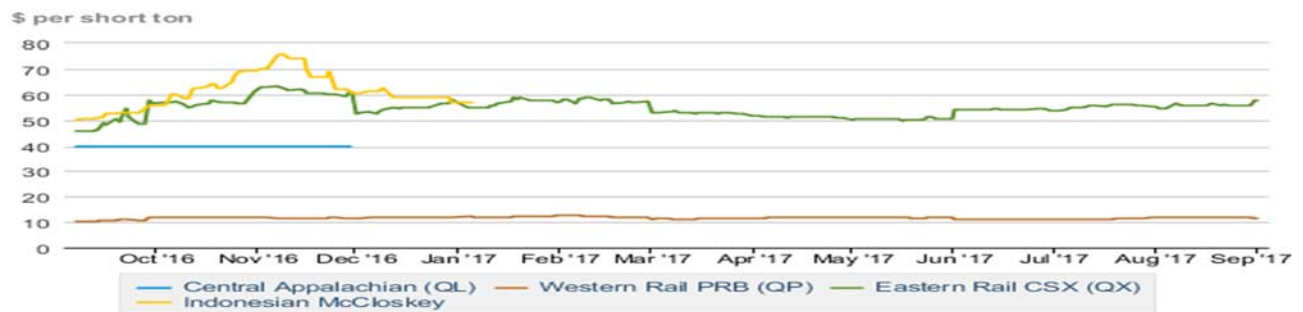
Coal and Coke Monthly Indicator for Internal U.S. Waterways



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.

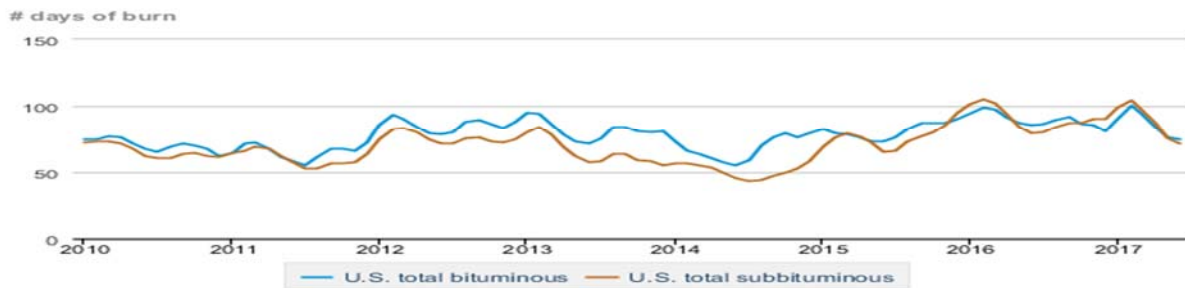
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	08/04/17	08/11/17	08/18/17	08/25/17	09/01/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$52.60	\$52.60	\$52.60	\$52.60	\$53.25	\$0.65
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.65	\$45.65	\$45.65	\$45.65	\$46.25	\$0.60
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	\$11.55	\$11.50	-\$0.05
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.70	\$40.70	\$40.70	\$40.70	\$40.55	-\$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 Aug 24)

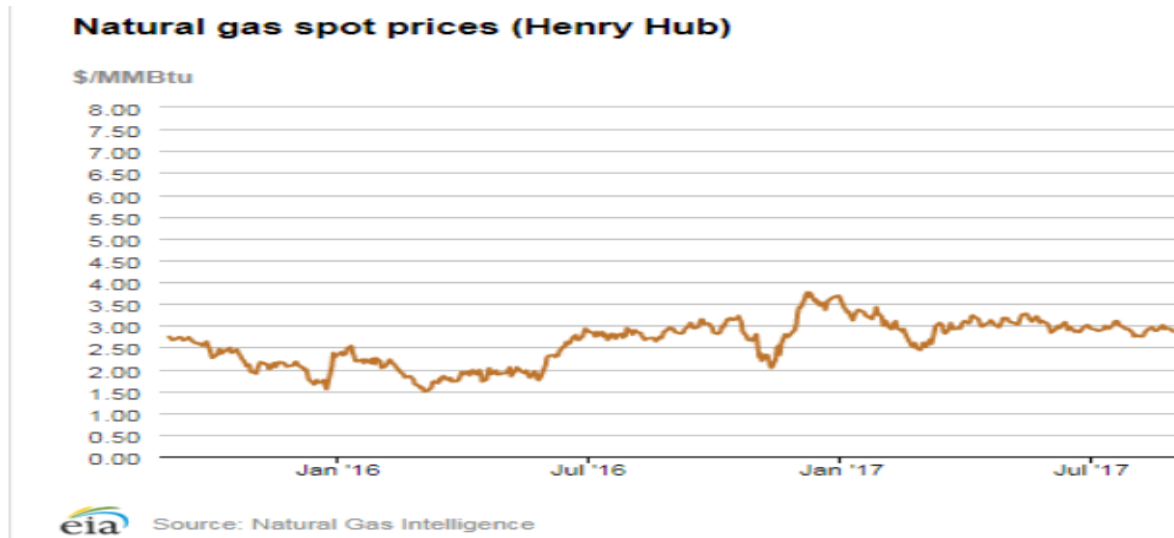
Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	1	-4	1	46	18	-12
Middle Atlantic	1	-2	1	58	17	-9
E N Central	7	0	4	42	2	-10
W N Central	8	0	4	45	-9	-5
South Atlantic	0	-1	0	109	23	-3
E S Central	0	0	0	96	14	6
W S Central	0	0	0	128	11	24
Mountain	0	-10	-3	72	5	-3
Pacific	0	-4	0	49	7	-17
United States	3	-2	1	73	10	-4

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*

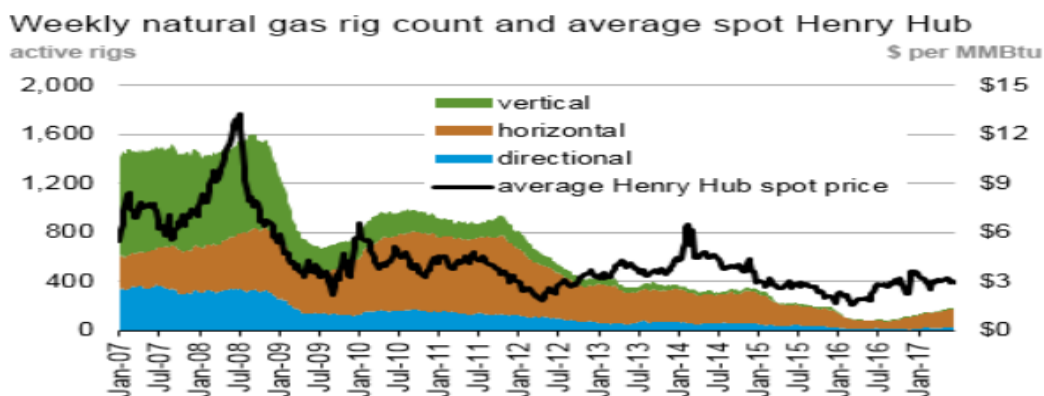
EIA Working Natural Gas Underground Storage

Working gas in underground storage			
Region	Stocks billion cubic feet (Bcf)		
	2017-08-25	2017-08-18	change
East	749	728	21
Midwest	840	821	19
Mountain	205	206	-1
Pacific	301	296	5
South Central	1,060	1,074	-14
Total	3,155	3,125	30

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		
	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*