

National Mining Association

Weekly Statistical Summary

October 6, 2017 Edition
(Data for Week Ending September 30, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 39
Dated 10/06/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	09/30/17	09/24/16	% Chng	09/30/17	09/30/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,330	14,922	2.7%	593,675	528,682	12.3%
52 Weeks Ended	806,868	732,537	10.1%			
AAR Coal Rail Cars Loaded:	88,150	87,486	0.8%	3,316,722	2,959,040	12.1%
Coal Production Month Ended - September	Sep 17/16		% Chng	Jan - Sep 17/16		% Chng
	65,796	65,083	1.1%	593,675	528,682	12.3%
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			Cumulative Week 1 to		
	09/30/17	10/01/16	% Chng	09/30/17	10/01/16	% Chng
EI Electric Total Output (Mil. Kwh)	78,690	72,986	7.8%	3,028,502	3,079,102	-1.6%
EI Coal Region Output (Mil. Kwh)	68,192	62,101	9.8%	2,602,531	2,656,934	-2.0%
AISI Raw Steel Output (000 Tons)	1,706	1,591	7.2%	67,804	65,390	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)	
	09/22/17	09/29/17	% Chng	Wed.	09/27/17
Central App, 12,500 Btu, 1.2 SO ₂	\$54.25	\$56.25	-3.6%	Henry Hub	2.95
Northern App, 13,000 Btu, < 3.0 SO ₂	46.10	46.10	0.0%	New York	2.78
Illinois Basin, 11,800, 5.0 SO ₂	30.85	30.85	0.0%	Chicago	2.85
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.55	11.55	0.0%	Cal.Comp.Avg.	2.78
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



Weekly U.S. Coal Production Overview									
Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	9/30/2017 (week 39)	9/23/2017 (week 38)	9/24/2016 (week 39)	9/30/2017	9/30/2016	% Change	9/30/2017	9/24/2016	% Change
Alabama	175	175	144	7,795	6,554	18.9	10,493	8,919	17.6
Alaska	14	13	14	667	721	-7.5	891	1,031	-13.6
Arizona	117	113	112	4,643	4,039	15.0	6,130	5,388	13.8
Arkansas	s	s	s	25	30	-15.8	26	48	-45.8
Colorado	274	253	234	10,486	8,618	21.7	14,712	11,891	23.7
Illinois	843	801	776	35,612	32,523	9.5	47,368	44,396	6.7
Indiana	597	567	557	24,248	21,471	12.9	32,053	28,616	12.0
Kansas	.	.	.	29	27	8.9	29	83	-65.1
Kentucky Total	776	732	787	31,951	31,679	0.9	43,897	44,573	-1.5
Eastern (KY)	280	260	292	12,022	12,348	-2.6	16,765	18,146	-7.6
Western (KY)	496	471	496	19,929	19,331	3.1	27,132	26,427	2.7
Louisiana	55	51	49	2,401	1,993	20.5	3,250	2,767	17.5
Maryland	35	34	33	1,252	1,084	15.5	1,774	1,501	18.2
Mississippi	59	57	59	2,286	2,119	7.9	3,091	2,726	13.4
Missouri	7	6	5	234	174	34.4	298	187	59.4
Montana	666	651	711	23,983	22,938	4.6	34,031	32,335	5.2
New Mexico	198	201	221	9,023	9,650	-6.5	12,916	14,604	-11.6
North Dakota	584	561	535	23,159	20,666	12.1	31,103	27,460	13.3
Ohio	194	184	227	8,039	10,113	-20.5	10,713	13,793	-22.3
Oklahoma	11	10	11	434	473	-8.2	603	652	-7.5
Pennsylvania Total	1,013	952	874	39,361	32,999	19.3	53,032	43,841	21.0
Anthracite (PA)	29	28	28	1,308	1,205	8.6	1,761	1,749	0.7
Bituminous (PA)	984	924	846	38,053	31,794	19.7	51,271	42,092	21.8
Tennessee	9	9	12	428	492	-12.9	572	706	-19.0
Texas	807	773	780	31,366	28,929	8.4	42,363	38,131	11.1
Utah	284	264	247	11,337	10,074	12.5	15,236	13,437	13.4
Virginia	292	276	257	11,505	9,910	16.1	15,161	13,143	15.4
West Virginia Total	1,743	1,672	1,588	69,091	58,858	17.4	91,747	79,872	14.9
Northern (WV)	984	946	899	38,416	32,000	20.0	50,743	43,660	16.2
Southern (WV)	758	726	689	30,675	26,858	14.2	41,004	36,212	13.2
Wyoming	6,575	6,326	6,690	244,321	212,550	14.9	335,380	302,436	10.9
Appalachian Total	3,742	3,563	3,427	149,494	132,358	12.9	200,256	179,921	11.3
Interior Total	2,876	2,737	2,732	116,563	107,068	8.9	156,214	144,033	8.5
Western Total	8,712	8,382	8,764	327,618	289,256	13.3	450,398	408,583	10.2
East of Mississippi River	5,738	5,460	5,314	231,569	207,802	11.4	309,900	282,086	9.9
West of Mississippi River	9,593	9,222	9,608	362,106	320,881	12.8	496,968	450,451	10.3
Bituminous and Lignite	15,301	14,654	14,895	592,367	527,477	12.3	805,107	730,788	10.2
Anthracite	29	28	28	1,308	1,205	8.6	1,761	1,749	0.7
U.S. Total	15,330	14,682	14,922	593,675	528,682	12.3	806,868	732,537	10.1
Railroad Cars Loaded	88,150	84,389	87,486	3,316,722	2,959,040	12.1	4,551,973	4,132,969	10.1

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 39

OUTPUT FOR WEEK ENDED - Sep 30, 2017

Oct 04, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Sep 30, 2017 was 78,690 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 193 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended September 30		52 Weeks Ended September 30	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,452	17.1	120,473	-2.4
Mid-Atlantic	8,721	18.2	423,356	-2.2
Central Industrial	12,819	15.3	657,037	-2.5
West Central	6,341	9.3	324,898	-1.3
Southeast	20,594	7.2	1,008,070	-1.4
South Central	14,775	11.8	720,514	1.8
Rocky Mountain	4,942	-8.2	279,003	0.7
Pacific Northwest	2,553	-1.3	159,197	4.5
Pacific Southwest	5,493	-11.5	283,245	-0.4
Total United States	78,690	7.8	3,975,793	-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 09	75,405	Sep 10	85,369	-11.7	Sep 09	3,975,377	-0.5
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
Sep 30	3,028,502	Oct 01	3,079,102	-1.6	YEAR TO DATE, FIRST 39 WEEKS		

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

Week Ended	2017	Week Ended	2016	Week Ended	2015
Sep 09	160	Sep 10	195	Sep 12	200
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

* 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		
	30-Sep 2017 GWh Output	1-Oct 2016 GWh Output	% Increase Over Corresponding Week of 2016	30-Sep 2017 GWh Output	1-Oct 2016 GWh Output	% Increase Over Corresponding Week of 2016	30-Sep 2017 GWh Output	1-Oct 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,452	2,093	17.2%	91,083	94,580	-3.7%	120,473	123,495	-2.4%
Mid-Atlantic	8,721	7,377	18.2%	321,928	334,654	-3.8%	423,356	432,777	-2.2%
Central Industrial	12,819	11,117	15.3%	497,983	517,783	-3.8%	657,037	673,769	-2.5%
West Central	6,341	5,804	9.3%	246,416	252,277	-2.3%	324,898	329,223	-1.3%
Southeast	20,594	19,207	7.2%	768,790	792,681	-3.0%	1,008,070	1,022,758	-1.4%
South Central	14,775	13,211	11.8%	556,175	551,996	0.8%	720,514	708,048	1.8%
Rocky Mountain	4,942	5,385	-8.2%	211,239	207,543	1.8%	279,003	277,101	0.7%
Pacific Northwest	2,553	2,586	-1.3%	118,089	111,114	6.3%	159,197	152,318	4.5%
Pacific Southwest	5,493	6,206	-11.5%	216,800	216,474	0.2%	283,245	284,427	-0.4%
Total United States ^{1/}	78,690	72,986	7.8%	3,028,503	3,079,102	-1.6%	3,975,793	4,003,916	-0.7%
Coal Regions Only ^{2/}	68,192	62,101	9.8%	2,602,531	2,656,934	-2.0%	3,412,878	3,443,676	-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 2, 2017

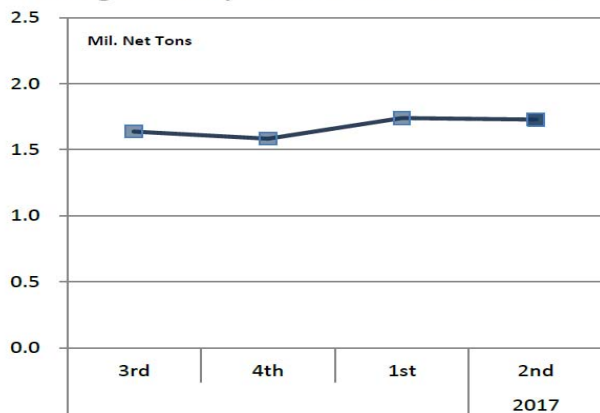
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 Sep 30</u>	<u>Week Ending Sep 23</u>	
<u>Week Ending</u>				North East	198	200
				Great Lakes	703	684
September 30, 2017	1,706	-0.8	73.2	Midwest	163	160
September 30, 2016	1,591	7.2	68.0	Southern	575	614
September 23, 2017	1,720	-1.4	73.8	Western	67	62
				Total	1,706	1,720
<u>Year-to-Date +</u>						
September 30, 2017	67,804	3.7	74.6			
September 30, 2016	65,390	-	72.1			

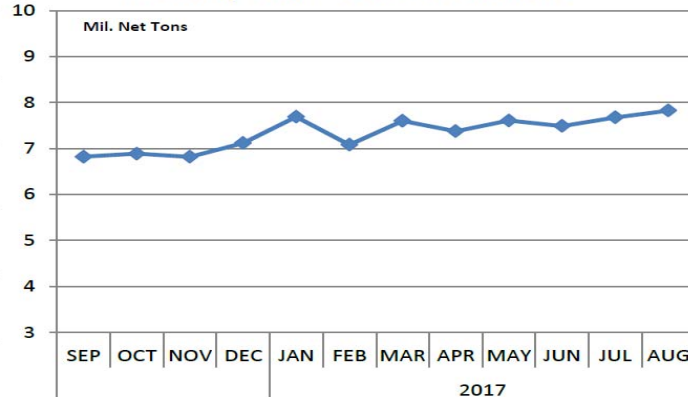
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

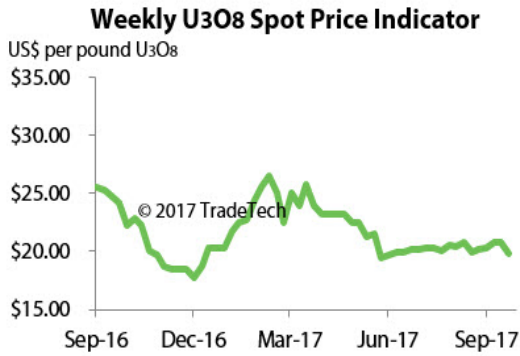
U.S. Rail Traffic¹
Week 38, 2017 – Ended September 23, 2017

	This Week		Year-To-Date		
	Cars	vs 2016	Cumulative	Avg/wk ²	vs 2016
Total Carloads	263,200	-2.0%	9,833,998	258,789	4.0%
Chemicals	30,669	1.6%	1,175,810	30,942	0.2%
Coal	84,389	-3.6%	3,228,571	84,962	12.8%
Farm Products excl. Grain, and Food	15,853	1.4%	601,286	15,823	-1.6%
Forest Products	10,124	1.9%	380,969	10,026	-1.8%
Grain	19,612	-22.0%	836,059	22,002	0.8%
Metallic Ores and Metals	25,392	11.1%	860,649	22,649	4.2%
Motor Vehicles and Parts	17,848	-5.3%	630,955	16,604	-7.3%
Nonmetallic Minerals	40,718	8.4%	1,392,577	36,647	7.9%
Petroleum and Petroleum Products	9,188	-11.5%	359,502	9,461	-14.9%
Other	9,407	-10.5%	367,620	9,674	-2.3%
Total Intermodal Units	285,004	5.1%	10,145,659	266,991	3.4%
Total Traffic	548,204	1.6%	19,979,657	525,780	3.7%

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.

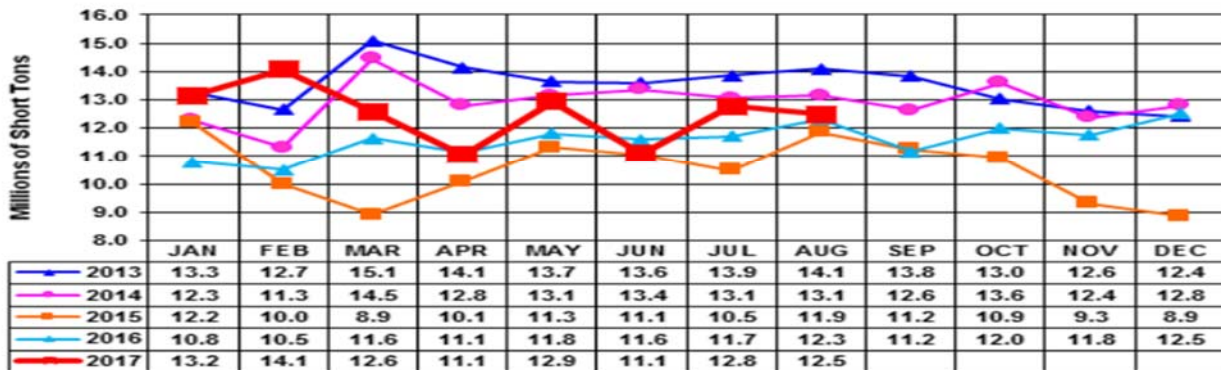
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

Trade Tech's Uranium Price Indicators



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

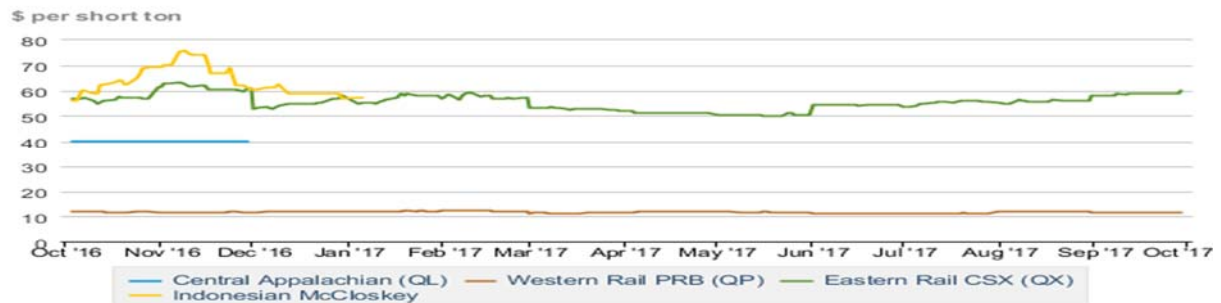
Coal and Coke Monthly Indicator for Internal U.S. Waterways



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.

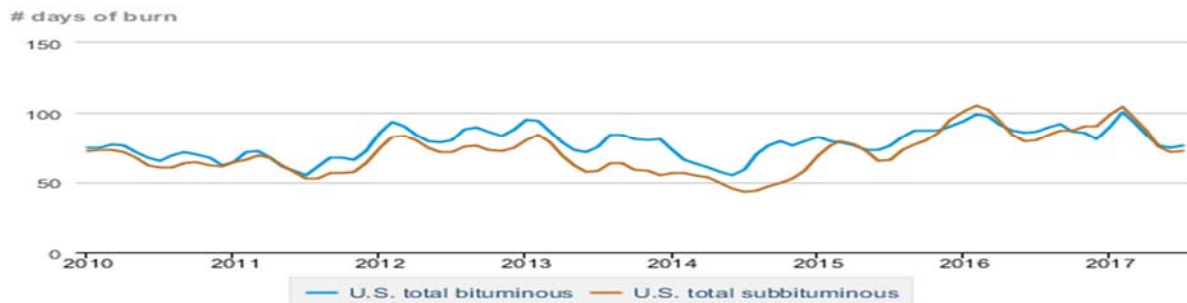
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices *dollars per short ton*

	Week ending					Week ago
	09/01/17	09/08/17	09/15/17	09/22/17	09/29/17	change
Central Appalachia <i>12,500 Btu, 1.2 SO₂</i>	\$53.25	\$53.25	\$54.25	\$54.25	\$56.25	\$2.00
Northern Appalachia <i>13,000 Btu, < 3.0 SO₂</i>	\$46.25	\$46.25	\$46.10	\$46.10	\$46.10	\$0.00
Illinois Basin <i>11,800 Btu, 5.0 SO₂</i>	\$30.70	\$30.70	\$30.85	\$30.85	\$30.85	\$0.00
Powder River Basin <i>8,800 Btu, 0.8 SO₂</i>	\$11.50	\$11.50	\$11.55	\$11.55	\$11.55	\$0.00
Uinta Basin <i>11,700 Btu, 0.8 SO₂</i>	\$40.55	\$40.55	\$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 - July 2017



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Sep 21)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	2	-34	-2	30	28	0
Middle Atlantic	1	-26	-1	42	32	9
E N Central	3	-27	0	46	35	8
W N Central	14	-21	3	44	28	5
South Atlantic	0	-8	0	78	21	-15
E S Central	0	-8	0	73	28	-19
W S Central	0	-2	0	113	37	-5
Mountain	36	-3	17	32	-4	-9
Pacific	13	1	9	6	-23	-32
United States	7	-15	3	53	20	-7

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: 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

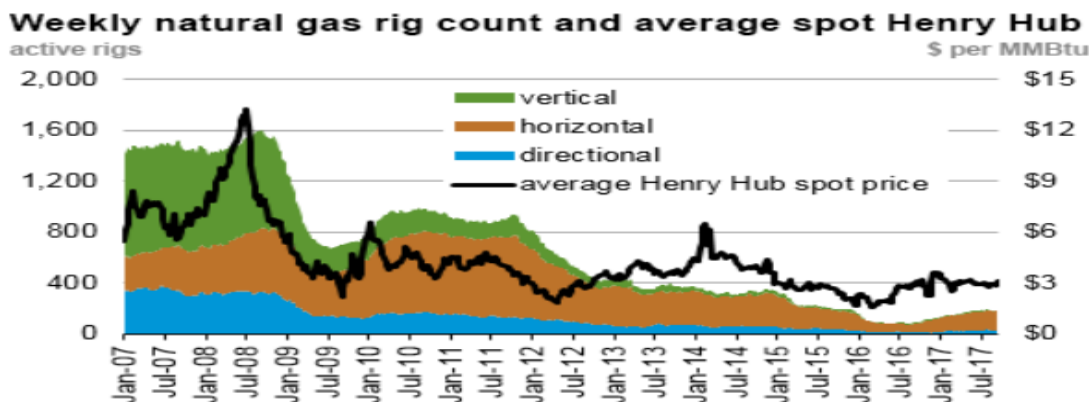
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2017-09-22	2017-09-15	change
East	848	833	15
Midwest	964	938	26
Mountain	217	212	5
Pacific	307	300	7
South Central	1,130	1,125	5
Total	3,466	3,408	58

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		
	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*