

National Mining Association

Weekly Statistical Summary

October 27, 2017 Edition
(Data for Week Ending October 21, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 42
Dated 10/27/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	10/21/17	10/15/16	% Chng	10/21/17	10/21/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,927	15,126	-1.3%	635,561	575,457	10.4%
52 Weeks Ended	802,010	727,684	10.2%			
AAR Coal Rail Cars Loaded:	86,311	87,729	-1.6%	3,576,847	3,227,460	10.8%
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%
EI Electric Total Output (Mil. Kwh)						
	Week Ended		% Chng	Cumulative Week 1 to		% Chng
	10/21/17	10/22/16		10/21/17	10/22/16	
EI Electric Total Output (Mil. Kwh)	69,651	72,602	-4.1%	3,247,346	3,294,461	-1.4%
EI Coal Region Output (Mil. Kwh)	59,493	62,476	-4.8%	2,791,049	2,842,083	-1.8%
AISI Raw Steel Output (000 Tons)	1,731	1,655	4.6%	73,020	70,355	3.8%

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)	
	10/20/17	10/13/17	% Chng	Wed.	10/18/17
Central App, 12,500 Btu, 1.2 SO ₂	\$55.50	\$55.50	0.0%	Henry Hub	2.81
Northern App, 13,000 Btu, < 3.0 SO ₂	45.40	45.40	0.0%	New York	2.79
Illinois Basin, 11,800, 5.0 SO ₂	32.60	32.60	0.0%	Chicago	2.74
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.75	11.75	0.0%	Cal.Comp.Avg.	2.85
Uinta Basin, 11,700 Btu, 0.8 SO ₂	41.10	41.10	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



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National Mining Association Web Site: [http:// www.nma.org](http://www.nma.org)

EIA Estimated Weekly U.S. Coal Production Overview

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	10/21/2017 (week 42)	10/14/2017 (week 41)	10/15/2016 (week 42)	10/21/2017	10/21/2016	% Change	10/21/2017	10/15/2016	% Change
Alabama	231	248	197	9,814	7,649	28.3	11,984	9,358	28.1
Alaska	13	13	16	686	770	-10.9	863	1,005	-14.1
Arizona	114	112	105	4,968	4,360	13.9	6,125	5,367	14.1
Arkansas	1	1	1	33	41	-18.4	43	54	-20.4
Colorado	330	338	305	12,859	9,554	34.6	16,212	11,887	36.4
Illinois	840	875	839	39,307	35,095	12.0	48,538	43,924	10.5
Indiana	573	564	554	25,723	23,166	11.0	31,820	28,481	11.7
Kansas	27	-100.0	.	71	.
Kentucky Total	784	785	849	35,583	34,300	3.7	44,923	43,883	2.4
Eastern (KY)	312	313	336	14,723	13,373	10.1	18,423	17,678	4.2
Western (KY)	473	472	513	20,860	20,927	-0.3	26,501	26,205	1.1
Louisiana	59	59	61	2,344	2,180	7.5	3,016	2,738	10.2
Maryland	37	38	37	1,474	1,239	19.0	1,884	1,548	21.7
Mississippi	60	60	57	2,542	2,293	10.9	3,170	2,739	15.7
Missouri	6	6	5	227	188	20.7	277	197	40.6
Montana	656	667	714	26,047	25,121	3.7	33,900	32,117	5.6
New Mexico	241	246	280	10,690	10,507	1.7	13,775	14,187	-2.9
North Dakota	533	531	566	23,261	22,398	3.9	29,491	27,454	7.4
Ohio	154	152	186	7,634	10,683	-28.5	9,682	13,474	-28.1
Oklahoma	10	10	12	459	532	-13.7	592	665	-11.0
Pennsylvania Total	988	997	975	41,807	36,027	16.0	52,538	43,973	19.5
Anthracite (PA)	31	33	32	1,468	1,338	9.7	1,824	1,744	4.6
Bituminous (PA)	957	964	943	40,339	34,689	16.3	50,715	42,229	20.1
Tennessee	9	9	11	424	536	-20.8	542	698	-22.3
Texas	685	689	765	30,027	31,269	-4.0	38,443	38,136	0.8
Utah	254	257	279	11,484	11,150	3.0	14,553	13,639	6.7
Virginia	262	259	260	11,892	10,734	10.8	14,750	13,154	12.1
West Virginia Total	1,695	1,715	1,602	75,454	63,626	18.6	93,086	79,354	17.3
Northern (WV)	906	893	874	39,970	34,692	15.2	49,585	43,499	14.0
Southern (WV)	788	821	729	35,484	28,934	22.6	43,501	35,855	21.3
Wyoming	6,392	6,295	6,450	260,821	232,011	12.4	331,803	299,584	10.8
Appalachian Total	3,688	3,731	3,605	163,222	143,867	13.5	202,889	179,235	13.2
Interior Total	2,706	2,734	2,806	121,523	115,718	5.0	152,400	143,210	6.4
Western Total	8,534	8,459	8,715	350,816	315,872	11.1	446,721	405,240	10.2
East of Mississippi River	5,633	5,701	5,567	251,655	225,349	11.7	312,918	280,583	11.5
West of Mississippi River	9,294	9,223	9,559	383,906	350,109	9.7	489,092	447,101	9.4
Bituminous and Lignite	14,896	14,891	15,094	634,093	574,119	10.4	800,186	725,940	10.2
Anthracite	31	33	32	1,468	1,338	9.7	1,824	1,744	4.6
U.S. Total	14,927	14,924	15,126	635,561	575,457	10.4	802,010	727,684	10.2
Railroad Cars Loaded	86,311	86,292	87,729	3,576,847	3,227,460	10.8	4,542,231	4,105,773	10.6

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 42

OUTPUT FOR WEEK ENDED - Oct 21, 2017

Oct 25, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, Oct 21, 2017 was **69,651** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **179** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended October 21		52 Weeks Ended October 21	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,050	-4.7	120,501	-2.3
Mid-Atlantic	7,164	-6.7	423,984	-2.1
Central Industrial	11,061	-5.6	657,272	-2.4
West Central	5,845	-3.7	324,918	-1.4
Southeast	17,596	-4.3	1,009,738	-1.5
South Central	12,648	-6.4	721,402	1.5
Rocky Mountain	5,179	1.5	278,933	0.8
Pacific Northwest	2,811	4.3	159,445	4.6
Pacific Southwest	5,297	0.3	283,085	0.0
Total United States	69,651	-4.1	3,979,278	-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 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 14	74,900	Oct 15	70,015	7.0	Oct 14	3,982,230	-0.5
Oct 21	69,651	Oct 22	72,602	-4.1	Oct 21	3,979,278	-0.7
Oct 21	3,247,346	Oct 22	3,294,461	-1.4	YEAR TO DATE, FIRST 42 WEEKS		

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

Week Ended	2017	Week Ended	2016	Week Ended	2015
Sep 30	193	Oct 01	180	Oct 03	175
Oct 07	187	Oct 08	185	Oct 10	161
Oct 14	191	Oct 15	179	Oct 17	165
Oct 21	179	Oct 22	188	Oct 24	159

* 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		
	21-Oct 2017 GWh Output	22-Oct 2016 GWh Output	% Increase Over Corresponding Week of 2016	21-Oct 2017 GWh Output	22-Oct 2016 GWh Output	% Increase Over Corresponding Week of 2016	21-Oct 2017 GWh Output	22-Oct 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,050	2,152	-4.7%	97,434	100,903	-3.4%	120,501	123,401	-2.4%
Mid-Atlantic	7,164	7,678	-6.7%	344,685	356,783	-3.4%	423,984	432,973	-2.1%
Central Industrial	11,061	11,723	-5.6%	532,262	551,828	-3.5%	657,272	673,748	-2.4%
West Central	5,845	6,067	-3.7%	264,027	269,867	-2.2%	324,918	329,428	-1.4%
Southeast	17,596	18,387	-4.3%	825,812	848,035	-2.6%	1,009,738	1,024,697	-1.5%
South Central	12,648	13,519	-6.4%	597,627	592,560	0.9%	721,402	710,479	1.5%
Rocky Mountain	5,179	5,102	1.5%	226,636	223,010	1.6%	278,933	276,715	0.8%
Pacific Northwest	2,811	2,694	4.3%	126,355	119,131	6.1%	159,445	152,473	4.6%
Pacific Southwest	5,297	5,280	0.3%	232,509	232,343	0.1%	283,085	283,181	0.0%
Total United States ^{1/}	<u>69,651</u>	<u>72,602</u>	-4.1%	<u>3,247,347</u>	<u>3,294,460</u>	-1.4%	3,979,278	4,007,095	-0.7%
Coal Regions Only ^{2/}	59,493	62,476	-4.8%	2,791,049	2,842,083	-1.8%	3,416,247	3,448,040	-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 23, 2017

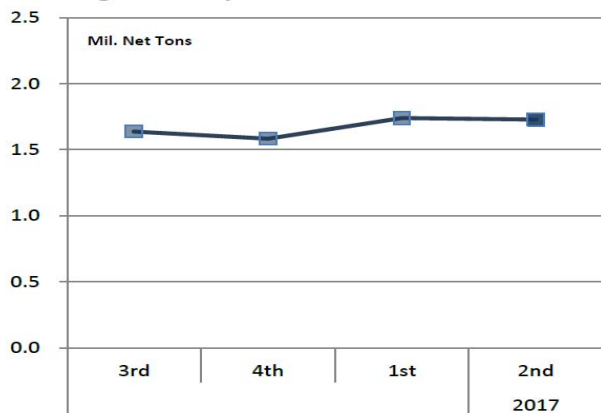
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 Oct 21</u>	<u>Oct 14</u>	
<u>Week Ending</u>				North East	189	181
				Great Lakes	644	641
October 21, 2017	1,731	-0.7	74.3	Midwest	152	162
October 21, 2016	1,655	4.6	70.8	Southern	671	686
October 14, 2017	1,744	0.2	74.8	Western	<u>75</u>	<u>74</u>
				Total	1,731	1,744
<u>Year-to-Date +</u>						
October 21, 2017	73,020	3.8	74.6			
October 21, 2016	70,355	-	72.2			

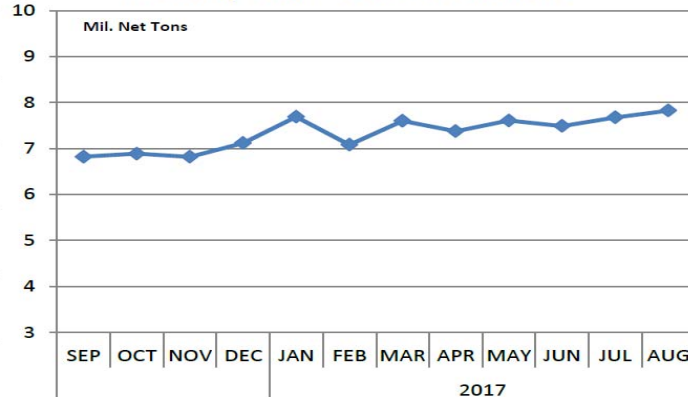
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 fourth 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 third 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 42, 2017 – Ended October 21, 2017

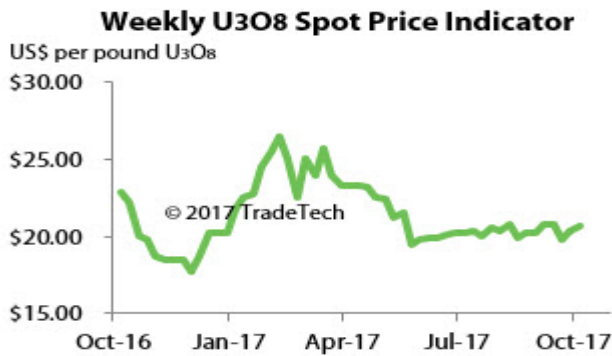
	This Week		Year-To-Date		
	Cars	vs 2016	Cumulative	Avg/wk ²	vs 2016
Total Carloads	268,943	0.2%	10,909,100	259,740	3.6%
Chemicals	30,818	7.3%	1,300,434	30,963	0.7%
Coal	86,311	-4.2%	3,576,845	85,163	11.0%
Farm Products excl. Grain, and Food	17,661	-0.4%	668,627	15,920	-1.6%
Forest Products	9,629	2.0%	421,807	10,043	-1.0%
Grain	24,018	-9.2%	930,378	22,152	-0.8%
Metallic Ores and Metals	22,059	15.4%	950,269	22,625	4.8%
Motor Vehicles and Parts	16,920	-8.6%	700,068	16,668	-7.4%
Nonmetallic Minerals	41,227	10.3%	1,555,183	37,028	8.4%
Petroleum and Petroleum Products	10,181	1.5%	397,906	9,474	-14.0%
Other	10,119	-6.7%	407,583	9,704	-2.0%
Total Intermodal Units	291,046	5.6%	11,293,191	268,886	3.7%
Total Traffic	559,989	3.0%	22,202,291	528,626	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.

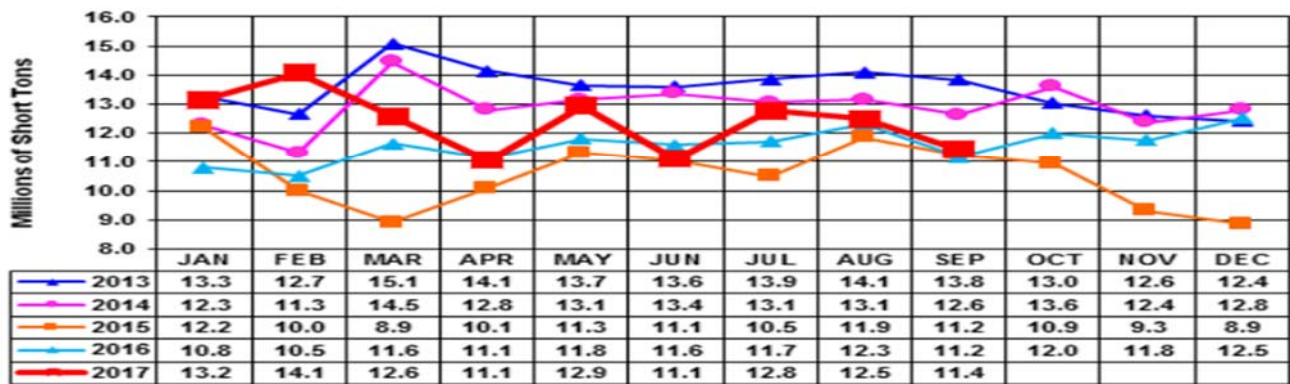
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

Trade Tech's Uranium Price Indicators



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

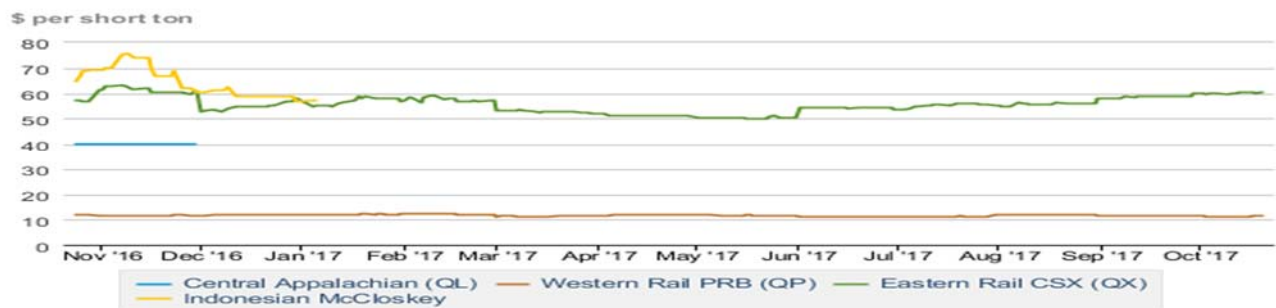
Coal and Coke Monthly Indicator for Internal U.S. Waterways



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.

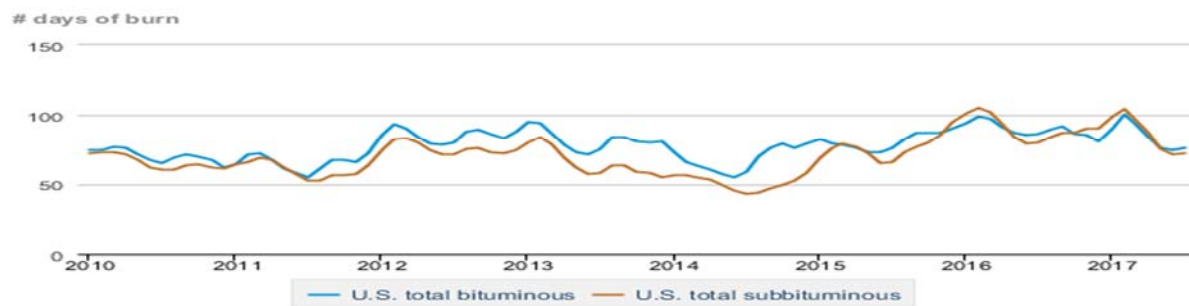
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	09/22/17	09/29/17	10/06/17	10/13/17	10/20/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$54.25	\$56.25	\$55.50	\$55.50	\$55.50	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$46.10	\$46.10	\$45.40	\$45.40	\$45.40	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$30.85	\$30.85	\$32.60	\$32.60	\$32.60	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.55	\$11.55	\$11.75	\$11.75	\$11.75	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.70	\$40.70	\$41.10	\$41.10	\$41.10	\$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 Oct 12)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	20	-66	-12	12	12	12
Middle Atlantic	9	-65	-30	25	23	25
E N Central	31	-47	-1	10	7	0
W N Central	69	-6	13	6	2	2
South Atlantic	1	-36	-11	81	48	35
E S Central	4	-33	-4	54	37	15
W S Central	8	-3	5	62	23	-2
Mountain	86	12	23	14	-3	-2
Pacific	20	-6	8	10	-2	-6
United States	26	-29	-2	34	18	10

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

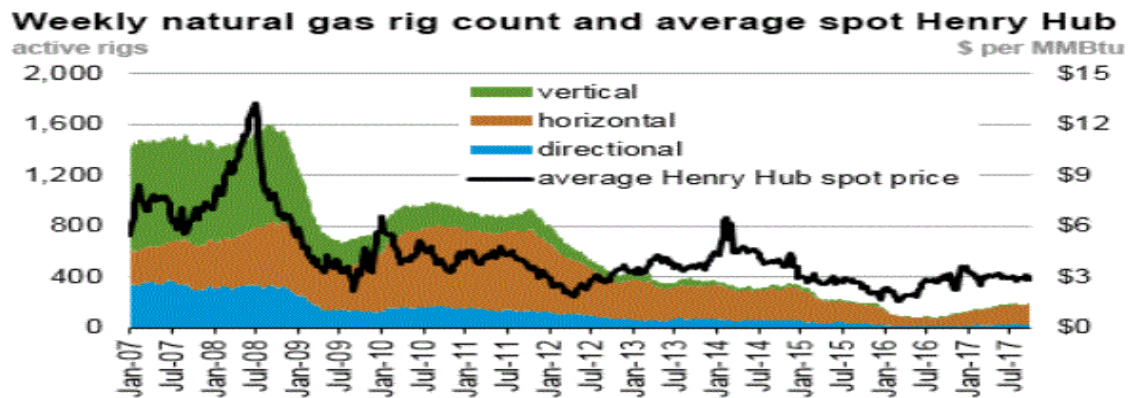
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2017-10-13	2017-10-06	change
East	902	884	18
Midwest	1,054	1,024	30
Mountain	224	223	1
Pacific	316	315	1
South Central	1,150	1,149	1
Total	3,646	3,595	51

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		
	October 2017	November 2017	change	October 2017	November 2017	change
Anadarko	376	380	4	2,521	2,530	9
Appalachia	134	135	1	14,204	14,179	(25)
Bakken	1,226	1,246	20	1,561	1,565	4
Eagle Ford	1,069	1,090	21	4,116	4,311	195
Haynesville	33	34	1	7,735	7,718	(17)
Niobrara	1,077	1,084	7	4,250	4,259	9
Permian	572	568	(4)	998	998	-
Total	593	589	(4)	3,414	3,449	35

Source: Energy Information Administration, *Drilling Productivity Report*