

National Mining Association

Weekly Statistical Summary

July 21, 2017 Edition
(Data for Week Ending July 15, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 28
Dated 07/21/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	07/15/17	07/09/16	% Chng	07/15/17	07/15/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,254	12,124	25.8%	418,079	361,962	15.5%
52 Weeks Ended	796,855	768,481	3.7%			
AAR Coal Rail Cars Loaded:	86,548	76,931	12.5%	2,306,082	1,979,317	16.5%
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%
EI Electric Total Output (Mil. Kwh)						
	Week Ended		% Chng	Cumulative Week 1 to		% Chng
	07/15/17	07/16/16		07/15/17	07/16/16	
EI Electric Total Output (Mil. Kwh)	90,927	91,030	-0.1%	2,111,715	2,119,035	-0.3%
EI Coal Region Output (Mil. Kwh)	78,760	79,365	-0.8%	1,812,089	1,824,387	-0.7%
AISI Raw Steel Output (000 Tons)	1,763	1,667	5.8%	48,566	47,459	2.3%

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)	
	07/14/17	07/07/17	% Chng	Wed.	07/12/17
Central App, 12,500 Btu, 1.2 SO ₂	\$52.75	\$52.75	0.0%	Henry Hub	2.98
Northern App, 13,000 Btu, < 3.0 SO ₂	45.80	45.80	0.0%	New York	3.05
Illinois Basin, 11,800, 5.0 SO ₂	30.70	30.70	0.0%	Chicago	2.86
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.65	11.65	0.0%	Cal.Comp.Avg.	2.99
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		
	7/15/2017 (week 28)	7/8/2017 (week 27)	7/9/2016 (week 28)	7/15/2017	7/15/2016	% Change	7/15/2017	7/9/2016	% Change
Alabama	165	154	117	5,786	4,944	17.0	10,083	10,094	-0.1
Alaska	14	12	11	508	565	-10.0	887	1,093	-18.8
Arizona	114	103	91	3,305	2,783	18.7	6,039	5,640	7.1
Arkansas	s	s	s	21	27	-23.3	25	67	-62.7
Colorado	284	240	190	7,349	6,008	22.3	14,167	13,792	2.7
Illinois	811	739	630	26,069	23,853	9.3	46,437	47,691	-2.6
Indiana	582	524	453	17,466	15,248	14.6	31,452	30,086	4.5
Kansas	.	.	.	29	27	8.9	29	119	-75.6
Kentucky Total	771	680	640	23,115	22,885	1.0	43,795	49,269	-11.1
Eastern (KY)	281	245	237	8,839	9,090	-2.8	16,817	20,932	-19.7
Western (KY)	490	435	403	14,276	13,794	3.5	26,978	28,337	-4.8
Louisiana	56	48	40	1,776	1,445	22.9	3,170	3,268	-3.0
Maryland	37	31	27	841	715	17.5	1,728	1,515	14.1
Mississippi	58	52	48	1,611	1,464	10.0	3,066	2,862	7.1
Missouri	6	6	4	159	119	33.2	278	168	65.5
Montana	670	584	578	16,277	14,993	8.6	34,215	34,324	-0.3
New Mexico	192	174	180	6,721	7,176	-6.3	13,072	16,916	-22.7
North Dakota	572	512	435	16,490	14,690	12.3	30,369	27,991	8.5
Ohio	179	170	184	5,871	7,579	-22.5	11,062	15,003	-26.3
Oklahoma	11	10	9	310	353	-12.2	598	692	-13.6
Pennsylvania Total	1,012	888	710	27,822	23,235	19.7	51,191	46,248	10.7
Anthracite (PA)	28	26	23	975	895	9.0	1,736	1,951	-11.0
Bituminous (PA)	984	862	687	26,847	22,340	20.2	49,455	44,297	11.6
Tennessee	9	8	10	321	359	-10.6	597	783	-23.8
Texas	795	708	633	22,146	20,219	9.5	41,792	38,778	7.8
Utah	282	249	200	8,119	7,319	10.9	14,754	13,934	5.9
Virginia	285	256	209	8,195	7,034	16.5	14,707	13,289	10.7
West Virginia Total	1,701	1,528	1,291	49,220	41,112	19.7	89,500	82,095	9.0
Northern (WV)	964	863	730	27,175	21,957	23.8	49,477	43,395	14.0
Southern (WV)	738	665	560	22,045	19,155	15.1	40,024	38,700	3.4
Wyoming	6,648	5,764	5,435	168,553	137,810	22.3	333,842	312,762	6.7
Appalachian Total	3,669	3,280	2,784	106,894	94,068	13.6	195,685	189,960	3.0
Interior Total	2,809	2,521	2,219	83,863	76,550	9.6	153,825	152,068	1.2
Western Total	8,776	7,638	7,120	227,322	191,345	18.8	447,345	426,452	4.9
East of Mississippi River	5,610	5,030	4,318	166,317	148,427	12.1	303,618	298,935	1.6
West of Mississippi River	9,644	8,410	7,806	251,763	213,535	17.9	493,237	469,545	5.0
Bituminous and Lignite	15,226	13,414	12,101	417,104	361,067	15.5	795,119	766,529	3.7
Anthracite	28	26	23	975	895	9.0	1,736	1,951	-11.0
U.S. Total	15,254	13,440	12,124	418,079	361,962	15.5	796,855	768,481	3.7
Railroad Cars Loaded	86,548	76,931	72,998	2,306,082	1,979,317	16.5	4,514,383	4,311,185	4.7

Source: Energy Information Administration



Weekly Electric Output

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OUTPUT FOR WEEK ENDED - Jul 15, 2017

Jul 19, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Jul 15, 2017 was **90,927** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **188** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended July 15		52 Weeks Ended July 15	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,556	-7.2	123,085	-0.2
Mid-Atlantic	9,920	-1.9	433,505	1.1
Central Industrial	14,115	-3.8	669,648	0.7
West Central	7,516	1.2	328,606	0.3
Southeast	23,331	0.8	1,022,115	1.5
South Central	17,260	-3.2	722,216	2.2
Rocky Mountain	6,618	6.9	278,892	0.3
Pacific Northwest	2,808	8.1	158,478	4.1
Pacific Southwest	6,803	7.8	282,528	-1.0
Total United States	90,927	-0.1	4,019,073	1.1

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
Jun 24	87,167	Jun 25	88,590	-1.6	Jun 24	4,023,664	1.6
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 15	2,111,715	Jul 16	2,119,035	-0.3	YEAR TO DATE, FIRST 28 WEEKS		

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

Week Ended	2017	Week Ended	2016	Week Ended	2015
Jun 24	188	Jun 25	178	Jun 27	209
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

* 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		
	15-Jul 2017 GWh Output	16-Jul 2016 GWh Output	% Increase Over Corresponding Week of 2016	15-Jul 2017 GWh Output	16-Jul 2016 GWh Output	% Increase Over Corresponding Week of 2016	15-Jul 2017 GWh Output	16-Jul 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,556	2,754	-7.2%	64,179	65,063	-1.4%	123,085	123,338	-0.2%
Mid-Atlantic	9,920	10,108	-1.9%	225,370	227,949	-1.1%	433,505	428,702	1.1%
Central Industrial	14,115	14,673	-3.8%	353,997	361,186	-2.0%	669,648	664,988	0.7%
West Central	7,516	7,429	1.2%	172,346	174,497	-1.2%	328,606	327,510	0.3%
Southeast	23,331	23,142	0.8%	536,566	546,412	-1.8%	1,022,115	1,007,263	1.5%
South Central	17,260	17,823	-3.2%	378,806	372,924	1.6%	722,216	706,404	2.2%
Rocky Mountain	6,618	6,190	6.9%	145,004	141,419	2.5%	278,892	278,183	0.3%
Pacific Northwest	2,808	2,599	8.0%	88,400	82,146	7.6%	158,478	152,287	4.1%
Pacific Southwest	6,803	6,312	7.8%	147,048	147,439	-0.3%	282,528	285,384	-1.0%
Total United States ^{1/}	<u>90,927</u>	<u>91,030</u>	-0.1%	<u>2,111,716</u>	<u>2,119,035</u>	<u>-0.3%</u>	4,019,073	3,974,059	1.1%
Coal Regions Only ^{2/}	78,760	79,365	-0.8%	1,812,089	1,824,387	-0.7%	3,454,982	3,413,050	1.2%

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 17, 2017

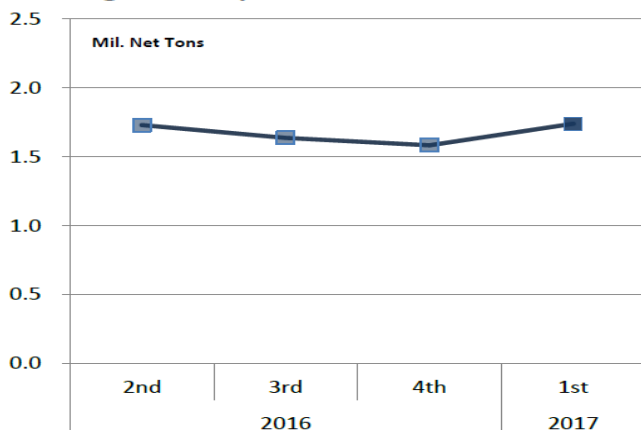
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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>July 15</u>	<u>Jul 8</u>	
<u>Week Ending</u>				North East	212	213
				Great Lakes	669	654
July 15, 2017	1,763	1.7	75.6	Midwest	168	163
July 15, 2016	1,667	5.8	71.3	Southern	639	630
July 8, 2017	1,733	0.9	74.3	Western	<u>75</u>	<u>73</u>
				Total	1,763	1,733
<u>Year-to-Date +</u>						
July 15, 2017	48,566	2.3	74.4			
July 15, 2016	47,459	-	72.4			

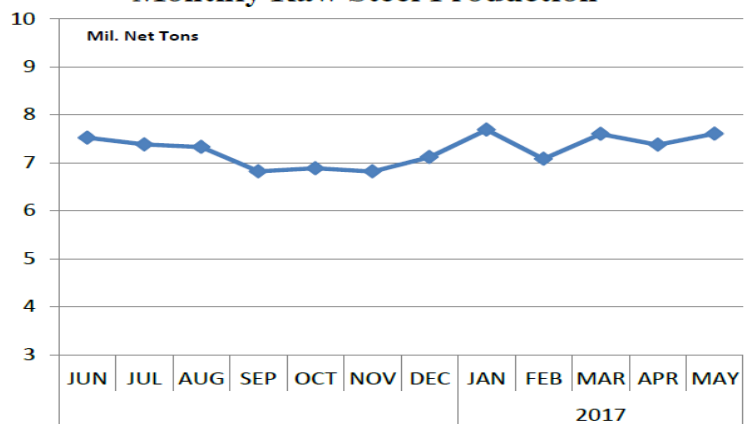
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

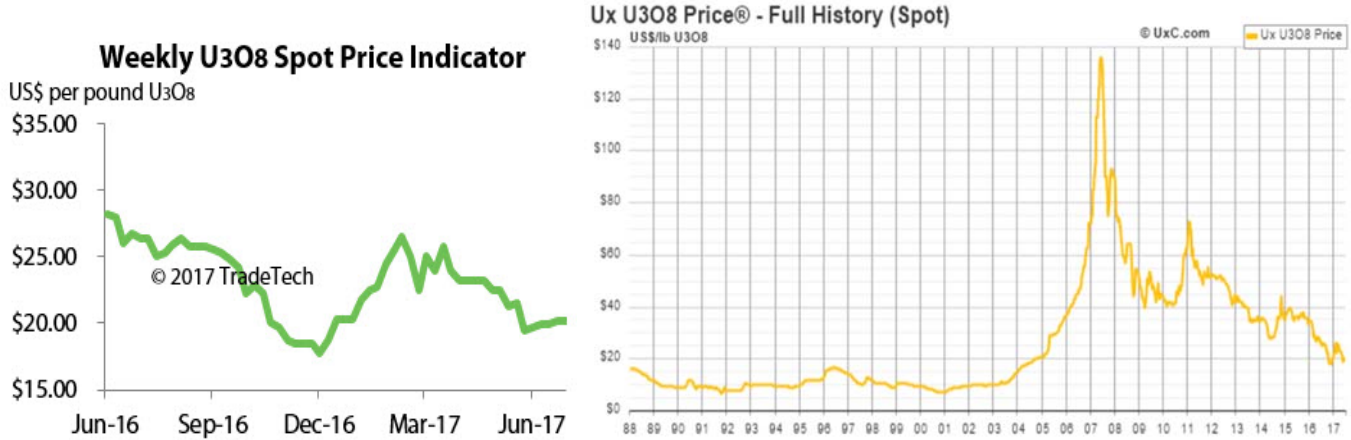


Source: Kitco website - www.kitco.com/connecting.html

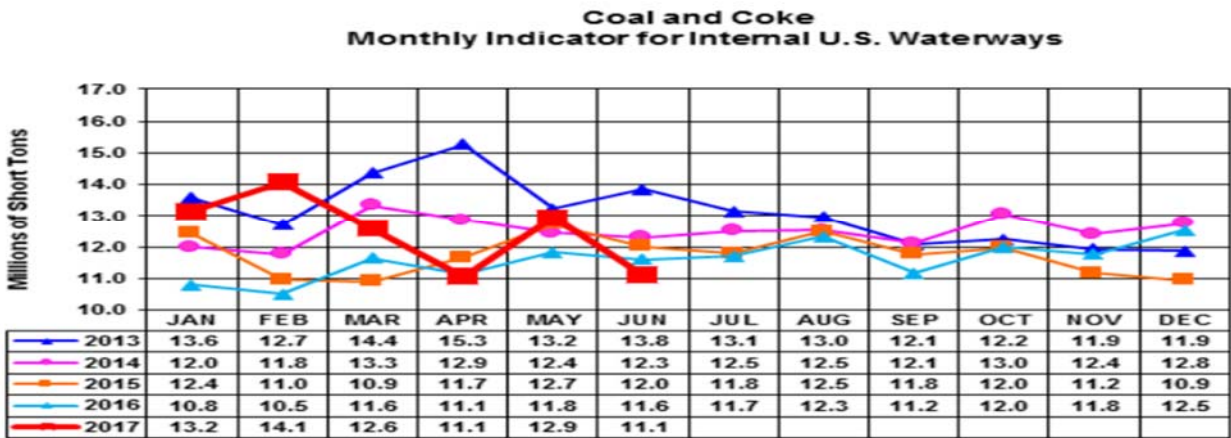


Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators

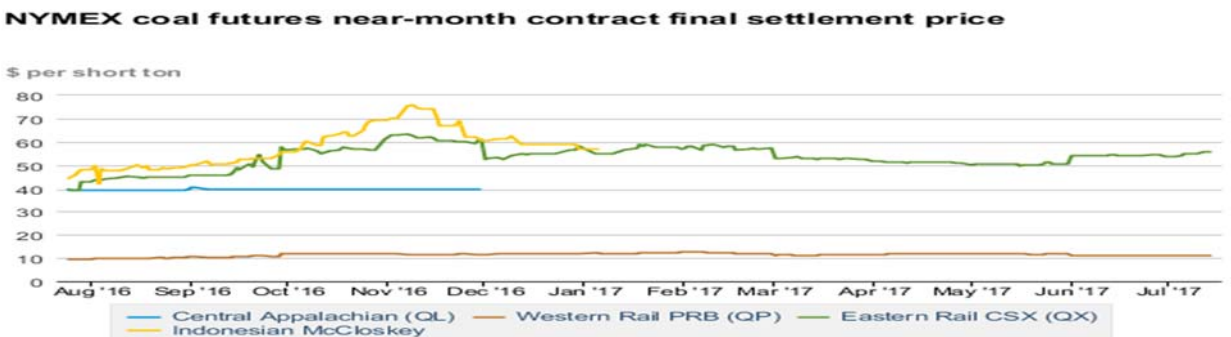


Sources: Trade Tech, Uranium Info Website – www.uranium.info ; Ux Consulting Co., LLC – <http://www.uxc.com>



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.

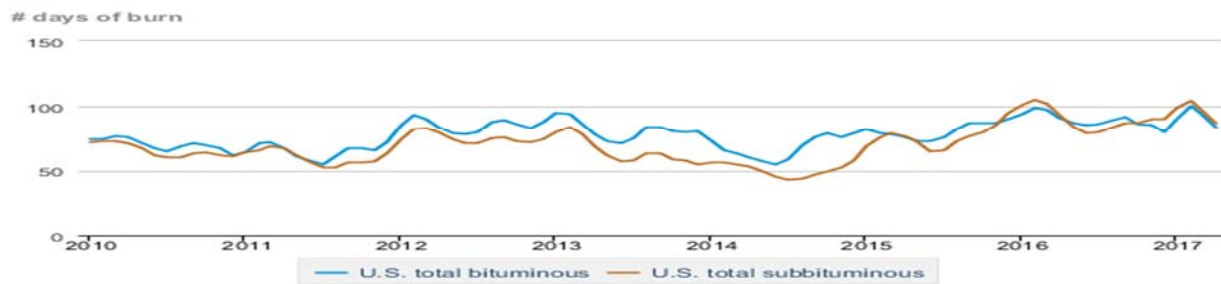
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	06/16/17	06/23/17	06/30/17	07/07/17	07/14/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$52.35	\$52.55	\$52.55	\$52.75	\$52.75	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.50	\$45.65	\$45.65	\$45.80	\$45.80	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$30.95	\$30.95	\$30.95	\$30.70	\$30.70	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.55	\$11.55	\$11.55	\$11.65	\$11.65	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.35	\$40.35	\$40.35	\$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 - April 2017



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Jul 06)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	1	-1	-1	51	19	12
Middle Atlantic	0	-1	-3	66	18	21
E N Central	1	-1	-12	56	6	33
W N Central	1	-2	-6	62	-2	17
South Atlantic	0	0	0	107	15	9
E S Central	0	0	0	93	5	0
W S Central	0	0	0	123	5	-8
Mountain	1	-8	1	93	21	12
Pacific	0	-6	-1	53	17	4
United States	0	-2	-4	79	12	12

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	April 2017		April 2016			March 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	4,712	81	7,662	117	-38.5%	4,583	84	2.8%
	Subbituminous	145	226	171	184	-15.3%	145	251	0.0%
South	Bituminous	32,491	82	37,153	88	-12.5%	31,894	93	1.9%
	Subbituminous	6,518	71	7,838	86	-16.8%	6,222	80	4.8%
Midwest	Bituminous	15,362	89	18,387	95	-16.4%	15,271	97	0.6%
	Subbituminous	43,658	88	46,733	86	-6.6%	43,570	98	0.2%
West	Bituminous	5,924	90	5,587	76	6.0%	5,937	100	-0.2%
	Subbituminous	32,205	89	41,393	103	-22.2%	31,500	100	2.2%
U.S. Total	Bituminous	58,489	84	68,788	91	-15.0%	57,685	94	1.4%
	Subbituminous	82,525	87	96,135	93	-14.2%	81,438	97	1.3%

Source: Energy Information Administration, *Electricity Monthly Update*

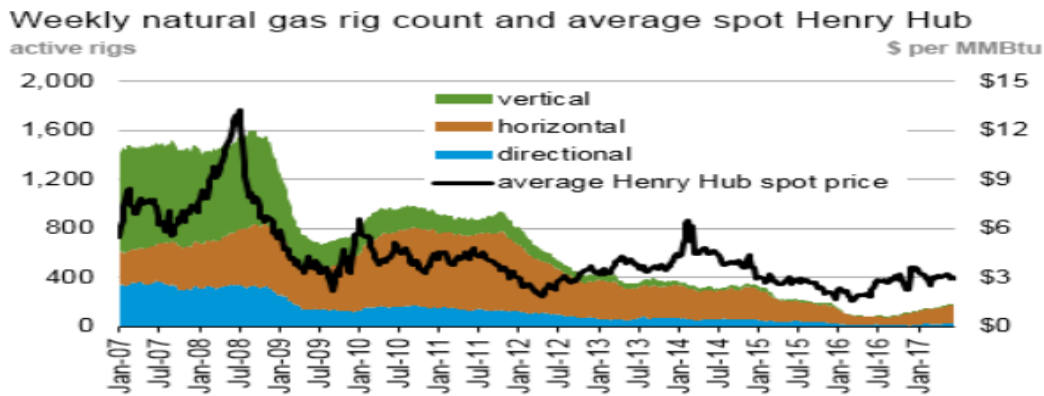
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2017-07-07	2017-06-30	change
East	588	564	24
Midwest	719	699	20
Mountain	193	187	6
Pacific	292	287	5
South Central	1,153	1,151	2
Total	2,945	2,888	57

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*