

National Mining Association

Weekly Statistical Summary

September 29, 2017 Edition
(Data for Week Ending September 23, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 38
Dated 09/29/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	09/23/17	09/17/16	% Chng	09/23/17	09/23/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,682	15,414	-4.7%	578,344	513,099	12.7%
52 Weeks Ended	806,460	735,435	9.7%			
AAR Coal Rail Cars Loaded:	84,389	90,369	-6.6%	3,228,572	2,867,677	12.6%
Coal Production Month Ended - August	Aug 17/16		% Chng	Jan - Aug 17/16		% Chng
	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		
	09/23/17	09/24/16	% Chng	09/23/17	09/24/16	% Chng
EI Electric Total Output (Mil. Kwh)	81,983	81,953	0.0%	2,949,812	3,006,116	-1.9%
EI Coal Region Output (Mil. Kwh)	71,880	71,130	1.1%	2,534,339	2,594,833	-2.3%
AISI Raw Steel Output (000 Tons)	1,720	1,591	8.1%	66,098	63,799	3.6%

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	09/15/17	% Chng	Wed.	09/20/17
Central App, 12,500 Btu, 1.2 SO ₂	\$54.25	\$54.25	0.0%	Henry Hub	3.14
Northern App, 13,000 Btu, < 3.0 SO ₂	46.10	46.10	0.0%	New York	3.16
Illinois Basin, 11,800, 5.0 SO ₂	30.85	30.85	0.0%	Chicago	3.05
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.55	11.55	0.0%	Cal.Comp.Avg.	2.91
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



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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		
	9/23/2017 (week 38)	9/16/2017 (week 37)	9/17/2016 (week 38)	9/23/2017	9/23/2016	% Change	9/23/2017	9/17/2016	% Change
Alabama	175	167	149	7,619	6,403	19.0	10,462	9,020	16.0
Alaska	13	14	14	653	706	-7.6	891	1,036	-14.0
Arizona	113	116	116	4,526	3,921	15.4	6,125	5,408	13.3
Arkansas	s	s	s	24	29	-16.6	26	50	-48.0
Colorado	253	289	241	10,212	8,374	21.9	14,671	12,055	21.7
Illinois	801	825	802	34,769	31,713	9.6	47,301	44,673	5.9
Indiana	567	591	575	23,651	20,889	13.2	32,013	28,735	11.4
Kansas	.	.	.	29	27	8.9	29	87	-66.7
Kentucky Total	732	784	813	31,175	30,857	1.0	43,908	44,973	-2.4
Eastern (KY)	260	286	301	11,742	12,044	-2.5	16,776	18,387	-8.8
Western (KY)	471	498	512	19,433	18,813	3.3	27,131	26,586	2.0
Louisiana	51	57	51	2,346	1,942	20.8	3,244	2,811	15.4
Maryland	34	37	34	1,217	1,049	16.0	1,771	1,502	17.9
Mississippi	57	59	61	2,227	2,057	8.3	3,091	2,737	12.9
Missouri	6	6	5	227	169	34.6	297	186	59.7
Montana	651	680	735	23,317	22,195	5.1	34,076	32,497	4.9
New Mexico	201	195	229	8,824	9,418	-6.3	12,940	14,804	-12.6
North Dakota	561	581	553	22,575	20,108	12.3	31,053	27,497	12.9
Ohio	184	181	234	7,845	9,876	-20.6	10,746	13,896	-22.7
Oklahoma	10	11	11	423	461	-8.4	603	655	-7.9
Pennsylvania Total	952	1,029	903	38,348	32,086	19.5	52,893	44,037	20.1
Anthracite (PA)	28	28	29	1,279	1,176	8.7	1,759	1,767	-0.5
Bituminous (PA)	924	1,000	874	37,069	30,910	19.9	51,134	42,271	21.0
Tennessee	9	9	12	419	479	-12.6	575	713	-19.4
Texas	773	808	805	30,559	28,115	8.7	42,335	38,173	10.9
Utah	264	287	255	11,053	9,817	12.6	15,198	13,477	12.8
Virginia	276	289	266	11,213	9,642	16.3	15,126	13,151	15.0
West Virginia Total	1,672	1,729	1,641	67,348	57,199	17.7	91,592	80,038	14.4
Northern (WV)	946	979	929	37,431	31,061	20.5	50,657	43,620	16.1
Southern (WV)	726	750	712	29,917	26,138	14.5	40,935	36,419	12.4
Wyoming	6,326	6,757	6,910	237,746	205,564	15.7	335,495	303,224	10.6
Appalachian Total	3,563	3,728	3,540	145,752	128,779	13.2	199,941	180,745	10.6
Interior Total	2,737	2,855	2,822	113,687	104,216	9.1	156,070	144,692	7.9
Western Total	8,382	8,920	9,052	318,905	280,104	13.9	450,449	409,998	9.9
East of Mississippi River	5,460	5,701	5,490	225,831	202,252	11.7	309,477	283,476	9.2
West of Mississippi River	9,222	9,802	9,925	352,513	310,847	13.4	496,983	451,959	10.0
Bituminous and Lignite	14,654	15,474	15,386	577,065	511,923	12.7	804,701	733,668	9.7
Anthracite	28	28	29	1,279	1,176	8.7	1,759	1,767	-0.5
U.S. Total	14,682	15,503	15,414	578,344	513,099	12.7	806,460	735,435	9.7
Railroad Cars Loaded	84,389	89,069	90,369	3,228,572	2,867,677	12.6	4,551,309	4,147,044	9.7

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 38

OUTPUT FOR WEEK ENDED - Sep 23, 2017

Sep 27, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Sep 23, 2017** was **81,983** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **197** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended September 23		52 Weeks Ended September 23	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,338	-3.9	120,114	-2.9
Mid-Atlantic	8,624	-0.6	422,012	-2.6
Central Industrial	14,110	5.7	655,335	-2.8
West Central	6,946	4.4	324,360	-1.5
Southeast	20,564	-0.9	1,006,684	-1.5
South Central	16,456	0.8	718,951	1.5
Rocky Mountain	5,180	-3.6	279,446	0.7
Pacific Northwest	2,526	-0.1	159,230	4.5
Pacific Southwest	5,239	-10.6	283,957	0.0
Total United States	81,983	0.0	3,970,089	-0.9

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
Sep 02	77,100	Sep 03	84,357	-8.6	Sep 02	3,985,341	-0.2
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 23	2,949,812	Sep 24	3,006,116	-1.9	YEAR TO DATE, FIRST 38 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Sep 02	159	Sep 03	180	Sep 05	217
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

* 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		
	23-Sep 2017 GWh Output	24-Sep 2016 GWh Output	% Increase Over Corresponding Week of 2016	23-Sep 2017 GWh Output	24-Sep 2016 GWh Output	% Increase Over Corresponding Week of 2016	23-Sep 2017 GWh Output	24-Sep 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,338	2,432	-3.9%	88,631	92,487	-4.2%	120,114	123,661	-2.9%
Mid-Atlantic	8,624	8,679	-0.6%	313,207	327,277	-4.3%	422,012	433,262	-2.6%
Central Industrial	14,110	13,355	5.7%	485,164	506,666	-4.2%	655,335	673,963	-2.8%
West Central	6,946	6,650	4.5%	240,075	246,473	-2.6%	324,360	329,387	-1.5%
Southeast	20,564	20,749	-0.9%	748,196	773,474	-3.3%	1,006,684	1,022,208	-1.5%
South Central	16,456	16,326	0.8%	541,400	538,785	0.5%	718,951	708,180	1.5%
Rocky Mountain	5,180	5,371	-3.6%	206,297	202,158	2.0%	279,446	277,506	0.7%
Pacific Northwest	2,526	2,529	-0.1%	115,536	108,528	6.5%	159,230	152,360	4.5%
Pacific Southwest	5,239	5,862	-10.6%	211,307	210,268	0.5%	283,957	284,098	0.0%
Total United States ^{1/}	81,983	81,953	0.0%	2,949,813	3,006,116	-1.9%	3,970,089	4,004,625	-0.9%
Coal Regions Only ^{2/}	71,880	71,130	1.1%	2,534,339	2,594,833	-2.3%	3,406,788	3,444,506	-1.1%

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 25, 2017

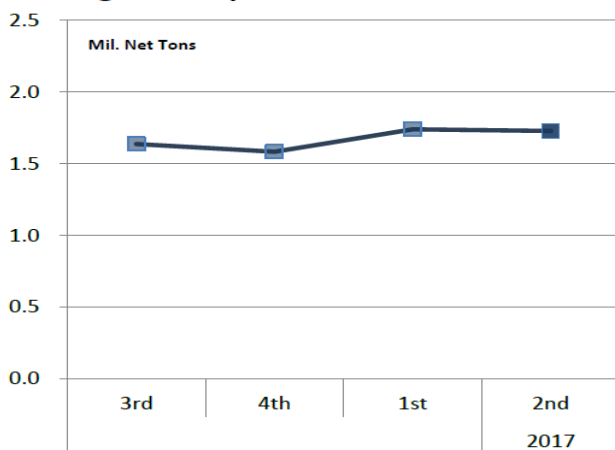
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 23</u>	<u>Week Ending Sep 16</u>	
<u>Week Ending</u>				North East	200	213
				Great Lakes	684	695
September 23, 2017	1,720	-1.4	73.8	Midwest	160	165
September 23, 2016	1,591	8.1	68.0	Southern	614	599
September 16, 2017	1,745	0.7	74.9	Western	62	73
				Total	1,720	1,745
<u>Year-to-Date +</u>						
September 23, 2017	66,098	3.6	74.6			
September 23, 2016	63,799	-	72.1			

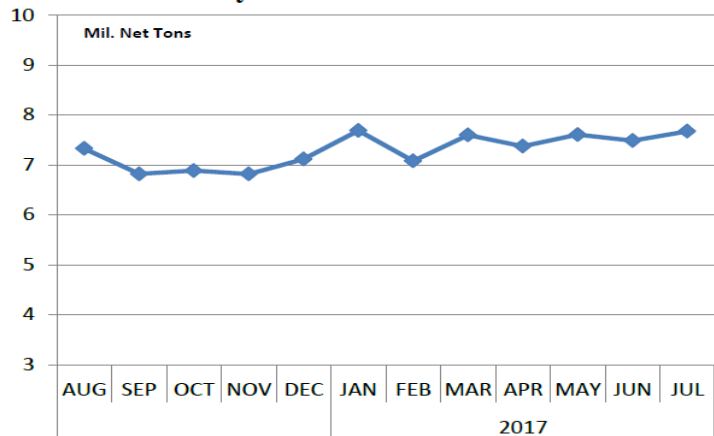
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 37, 2017 – Ended September 16, 2017

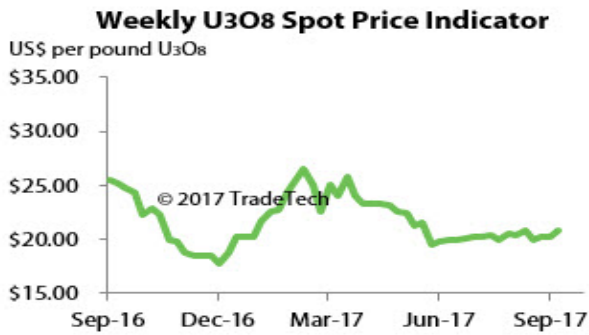
	This Week		Year-To-Date		
	Cars	vs 2016	Cumulative	Avg/wk ²	vs 2016
Total Carloads	260,771	-3.6%	9,570,798	258,670	4.1%
Chemicals	30,467	-0.8%	1,145,141	30,950	0.1%
Coal	89,069	-1.4%	3,144,182	84,978	13.3%
Farm Products excl. Grain, and Food	14,625	-11.7%	585,433	15,823	-1.7%
Forest Products	9,692	-3.2%	370,845	10,023	-1.9%
Grain	20,856	-7.4%	816,447	22,066	1.5%
Metallic Ores and Metals	24,696	15.4%	835,257	22,575	4.0%
Motor Vehicles and Parts	16,605	-11.1%	613,107	16,570	-7.3%
Nonmetallic Minerals	36,510	-2.4%	1,351,859	36,537	7.8%
Petroleum and Petroleum Products	9,083	-21.9%	350,314	9,468	-15.0%
Other	9,168	-17.4%	358,213	9,681	-2.0%
Total Intermodal Units	270,003	0.9%	9,860,655	266,504	3.4%
Total Traffic	530,774	-1.4%	19,431,453	525,174	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.

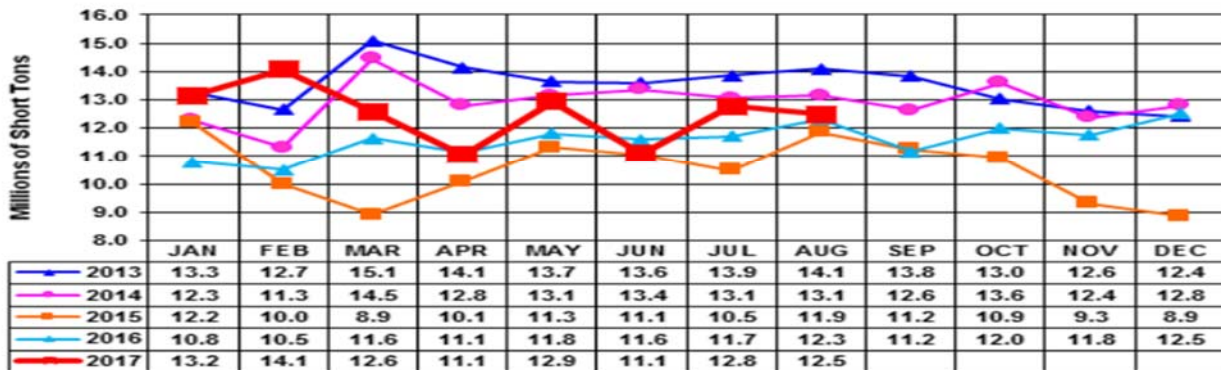
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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



Source: The New York Mercantile Exchange (NYMEX), Daily Energy Bulletin.

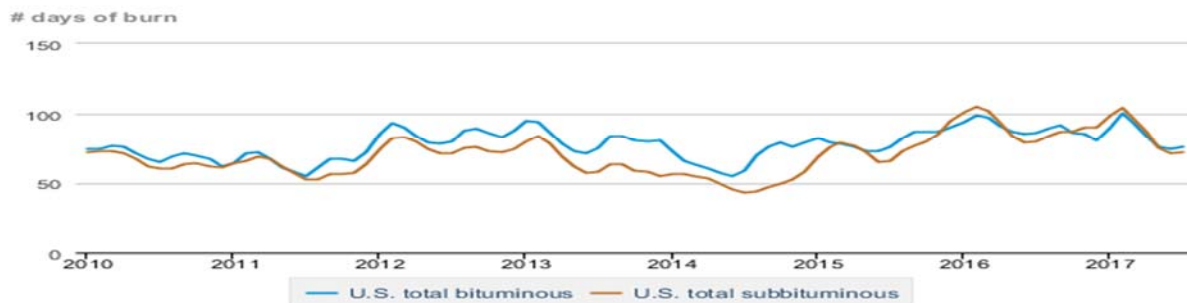
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	08/25/17	09/01/17	09/08/17	09/15/17	09/22/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$52.60	\$53.25	\$53.25	\$54.25	\$54.25	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.65	\$46.25	\$46.25	\$46.10	\$46.10	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$30.70	\$30.70	\$30.70	\$30.85	\$30.85	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.55	\$11.50	\$11.50	\$11.55	\$11.55	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.70	\$40.55	\$40.55	\$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 14)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	22	0	20	6	0	-50
Middle Atlantic	23	9	23	6	-11	-59
E N Central	36	17	32	2	-15	-46
W N Central	12	-13	0	29	4	-11
South Atlantic	18	15	18	47	-20	-58
E S Central	20	17	20	23	-33	-69
W S Central	2	0	2	56	-33	-54
Mountain	2	-28	-14	66	22	13
Pacific	2	-8	-3	47	14	14
United States	17	3	13	31	-10	-37

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*

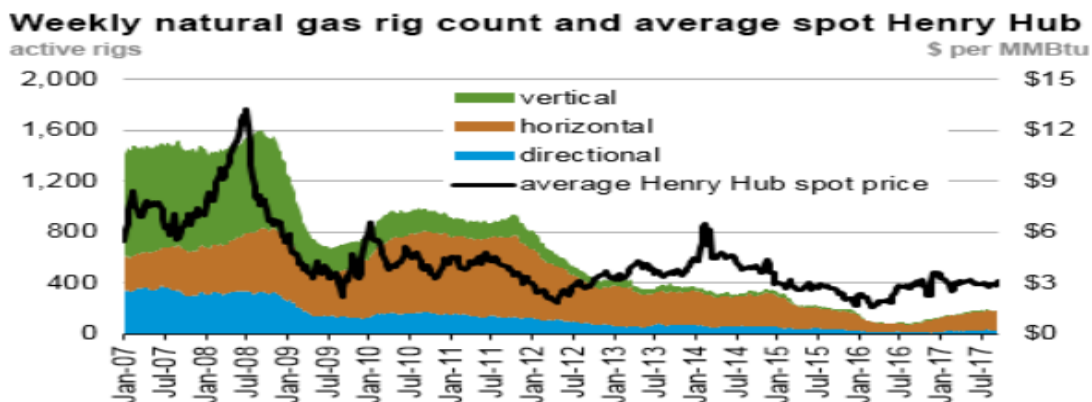
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2017-09-15	2017-09-08	change
East	833	809	24
Midwest	938	906	32
Mountain	212	208	4
Pacific	300	296	4
South Central	1,125	1,092	33
Total	3,408	3,311	97

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*