

# National Mining Association

## Weekly Statistical Summary

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April 7, 2017 Edition  
(Data for Week Ending April 1, 2017)

Prepared by  
National Mining Association



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# NMA Weekly Statistical Summary

Vol. 55, No. 13  
Dated 04/07/17

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	04/01/17	03/26/16	% Chng	04/01/17	04/01/16	% Chng
<b>EIA Coal Production (000 Tons):</b>						
Week Ended/Year to Date	14,493	12,235	18.5%	201,745	174,745	15.5%
52 Weeks Ended	765,224	828,897	-7.7%			
AAR Coal Rail Cars Loaded:	78,665	66,281	18.7%	1,095,079	947,180	15.6%
Coal Production Month Ended - Mar.	<b>Mar 17/16</b>		<b>% Chng</b>	<b>Jan - Mar 17/16</b>		<b>% Chng</b>
	64,799	55,265	17.3%	199,709	173,028	15.4%
<b>DOC Coal Trade (000 Tons)</b>						
<b>Exports:</b>	<b>February 17/16</b>			<b>Jan - Feb 17/16</b>		
			<b>% Chng</b>			<b>% Chng</b>
Metallurgical	3,776	3,495	8.0%	8,092	6,557	23.4%
Steam *	3,083	1,010	205.2%	6,137	2,311	165.6%
Lignite	9	6	50.0%	15	11	36.4%
Anthracite	47	5	840.0%	60	73	-17.8%
<b>Total</b>	6,915	4,516	53.1%	14,304	8,952	59.8%
<b>Imports:</b>	612	819	-25.3%	1,355	1,512	-10.4%
<b>Week Ended</b>						
	<b>04/01/17</b>	<b>04/02/16</b>	<b>% Chng</b>	<b>Cumulative Week 1 to</b>		
				<b>04/01/17</b>	<b>04/02/16</b>	<b>% Chng</b>
<b>EI Electric Total Output (Mil. Kwh)</b>	69,461	67,204	3.4%	961,063	964,773	-0.4%
<b>EI Coal Region Output (Mil. Kwh)</b>	59,394	57,409	3.5%	818,431	827,333	-1.1%
<b>AISI Raw Steel Output (000 Tons)</b>	1,692	1,685	0.4%	22,551	21,657	4.1%

## 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)	
	03/31/17	03/24/17	% Chng	Wed.	03/29/17
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$51.75	\$51.60	0.3%	Henry Hub	3.03
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	45.15	45.00	0.3%	New York	2.93
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	31.65	31.65	0.0%	Chicago	3.03
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	11.50	11.45	0.4%	Cal.Comp.Avg.	2.87
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	40.00	39.90	0.3%		

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



<b>EIA Estimated Weekly U.S. Coal Production Overview</b>									
<b>Coal-Producing Region &amp; State</b> (thousand short tons)	<b>Week Ended</b>			<b>Year to Date</b>			<b>52 Weeks Ended</b>		
	<b>4/1/2017</b> (week 13)	<b>3/25/2017</b> (week 12)	<b>3/26/2016</b> (week 13)	<b>4/1/2017</b>	<b>4/1/2016</b>	<b>% Change</b>	<b>4/1/2017</b>	<b>3/26/2016</b>	<b>% Change</b>
Alabama	177	175	173	2,346	2,470	-5.0	9,137	11,585	-21.1
Alaska	19	20	22	328	312	5.0	965	1,215	-20.6
Arizona	105	104	94	1,464	1,348	8.6	5,616	6,376	-11.9
Arkansas	1	1	1	13	11	10.7	33	81	-59.3
Colorado	224	210	176	2,694	2,515	7.1	12,960	16,144	-19.7
Illinois	918	912	801	12,737	11,441	11.3	45,717	50,678	-9.8
Indiana	602	591	511	8,358	7,298	14.5	30,246	32,008	-5.5
Kansas	3	3	2	34	27	27.8	35	173	-79.8
<b>Kentucky Total</b>	<b>802</b>	<b>820</b>	<b>802</b>	<b>11,494</b>	<b>11,452</b>	<b>0.4</b>	<b>43,464</b>	<b>55,877</b>	<b>-22.2</b>
Eastern (KY)	295	307	324	4,252	4,626	-8.1	16,770	24,879	-32.6
Western (KY)	507	513	478	7,242	6,827	6.1	26,694	30,998	-13.9
Louisiana	55	54	46	769	664	15.9	2,942	3,328	-11.6
Maryland	29	30	25	390	363	7.5	1,623	1,723	-5.8
Mississippi	57	58	54	825	777	6.2	2,961	3,121	-5.1
Missouri	6	4	3	68	42	60.6	262	138	89.9
Montana	579	592	525	8,038	7,495	7.2	33,301	38,354	-13.2
New Mexico	256	257	304	3,824	4,321	-11.5	13,075	20,014	-34.7
North Dakota	634	622	510	9,064	7,278	24.5	30,321	28,488	6.4
Ohio	262	269	275	4,052	3,929	3.1	12,924	15,929	-18.9
Oklahoma	13	13	12	195	169	15.3	668	743	-10.1
<b>Pennsylvania Total</b>	<b>992</b>	<b>945</b>	<b>731</b>	<b>13,058</b>	<b>10,453</b>	<b>24.9</b>	<b>49,093</b>	<b>47,490</b>	<b>3.4</b>
Anthracite (PA)	33	33	30	491	436	12.8	1,713	2,086	-17.9
Bituminous (PA)	959	912	700	12,566	10,017	25.4	47,380	45,405	4.3
Tennessee	13	14	16	222	233	-4.5	669	918	-27.1
Texas	900	895	701	13,472	10,011	34.6	43,243	37,645	14.9
Utah	311	302	238	4,383	3,400	28.9	14,929	14,130	5.7
Virginia	296	286	226	4,107	3,228	27.2	14,303	13,673	4.6
<b>West Virginia Total</b>	<b>1,672</b>	<b>1,653</b>	<b>1,362</b>	<b>23,034</b>	<b>19,462</b>	<b>18.4</b>	<b>84,748</b>	<b>87,488</b>	<b>-3.1</b>
Northern (WV)	949	937	727	13,247	10,392	27.5	46,956	44,629	5.2
Southern (WV)	722	716	635	9,787	9,070	7.9	37,792	42,859	-11.8
Wyoming	5,569	5,640	4,625	76,775	66,045	16.2	311,989	341,578	-8.7
<b>Appalachian Total</b>	<b>3,735</b>	<b>3,678</b>	<b>3,132</b>	<b>51,461</b>	<b>44,762</b>	<b>15.0</b>	<b>189,267</b>	<b>203,685</b>	<b>-7.1</b>
<b>Interior Total</b>	<b>3,061</b>	<b>3,043</b>	<b>2,609</b>	<b>43,713</b>	<b>37,267</b>	<b>17.3</b>	<b>152,800</b>	<b>158,913</b>	<b>-3.8</b>
<b>Western Total</b>	<b>7,697</b>	<b>7,747</b>	<b>6,493</b>	<b>106,571</b>	<b>92,715</b>	<b>14.9</b>	<b>423,157</b>	<b>466,299</b>	<b>-9.3</b>
<b>East of Mississippi River</b>	<b>5,817</b>	<b>5,751</b>	<b>4,976</b>	<b>80,623</b>	<b>71,106</b>	<b>13.4</b>	<b>294,884</b>	<b>320,489</b>	<b>-8.0</b>
<b>West of Mississippi River</b>	<b>8,675</b>	<b>8,717</b>	<b>7,258</b>	<b>121,122</b>	<b>103,639</b>	<b>16.9</b>	<b>470,340</b>	<b>508,408</b>	<b>-7.5</b>
<b>Bituminous and Lignite</b>	<b>14,460</b>	<b>14,436</b>	<b>12,204</b>	<b>201,254</b>	<b>174,309</b>	<b>15.5</b>	<b>763,510</b>	<b>826,811</b>	<b>-7.7</b>
<b>Anthracite</b>	<b>33</b>	<b>33</b>	<b>30</b>	<b>491</b>	<b>436</b>	<b>12.8</b>	<b>1,713</b>	<b>2,086</b>	<b>-17.9</b>
<b>U.S. Total</b>	<b>14,493</b>	<b>14,469</b>	<b>12,235</b>	<b>201,745</b>	<b>174,745</b>	<b>15.5</b>	<b>765,224</b>	<b>828,897</b>	<b>-7.7</b>
Railroad Cars Loaded	78,665	79,422	66,281	1,095,079	947,180	15.6	4,316,368	4,716,775	-8.5

Source: Energy Information Administration



# Weekly Electric Output

Volume 85 No. 13

**OUTPUT FOR WEEK ENDED - Apr 01, 2017**

**Apr 05, 2017**

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, **Apr 01, 2017** was **69,461** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **167** on the weekly electric output index.

**WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION**  
(48 CONTIGUOUS STATES)

	Week Ended April 01		52 Weeks Ended April 01	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,275	6.6	123,985	0.3
Mid-Atlantic	7,497	5.7	435,678	0.9
Central Industrial	11,803	1.6	674,074	2.1
West Central	5,604	0.0	330,073	1.2
Southeast	17,261	1.2	1,022,414	1.4
South Central	12,782	9.8	719,356	2.7
Rocky Mountain	4,447	1.0	276,778	-0.3
Pacific Northwest	3,125	8.7	156,926	2.4
Pacific Southwest	4,667	-2.5	283,398	-0.4
Total United States	69,461	3.4	4,022,683	1.4

**WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh**

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
Mar 11	71,563	Mar 12	68,466	4.5	Mar 11	4,011,702	1.0
Mar 18	74,521	Mar 19	68,254	9.2	Mar 18	4,017,969	1.2
Mar 25	70,146	Mar 26	67,689	3.6	Mar 25	4,020,426	1.3
Apr 01	69,461	Apr 02	67,204	3.4	Apr 01	4,022,683	1.4
<b>Apr 01</b>	<b>961,063</b>	<b>Apr 02</b>	<b>964,773</b>	<b>-0.4</b>	<b>YEAR TO DATE, FIRST 13 WEEKS</b>		

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

Week Ended	2017	Week Ended	2016	Week Ended	2015
Mar 11	156	Mar 12	175	Mar 14	160
Mar 18	173	Mar 19	175	Mar 21	161
Mar 25	163	Mar 26	168	Mar 28	165
Apr 01	167	Apr 02	169	Apr 04	160

\* 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		
	1-Apr 2017 GWh Output	2-Apr 2016 GWh Output	% Increase Over Corresponding Week of 2016	1-Apr 2017 GWh Output	2-Apr 2016 GWh Output	% Increase Over Corresponding Week of 2016	1-Apr 2017 GWh Output	2-Apr 2016 GWh Output	% Increase Over Corresponding Week of 2016
<b>New England</b>	2,275	2,134	6.6%	<b>30,898</b>	<b>30,883</b>	<b>0.0%</b>	123,985	123,671	0.3%
<b>Mid-Atlantic</b>	7,497	7,095	5.7%	<b>105,796</b>	<b>106,201</b>	<b>-0.4%</b>	435,678	431,720	0.9%
<b>Central Industrial</b>	11,803	11,614	1.6%	<b>167,052</b>	<b>169,812</b>	<b>-1.6%</b>	674,074	660,392	2.1%
<b>West Central</b>	5,604	5,602	0.0%	<b>78,718</b>	<b>79,400</b>	<b>-0.9%</b>	330,073	326,126	1.2%
<b>Southeast</b>	17,261	17,054	1.2%	<b>240,646</b>	<b>250,194</b>	<b>-3.8%</b>	1,022,414	1,008,428	1.4%
<b>South Central</b>	12,782	11,640	9.8%	<b>160,357</b>	<b>157,334</b>	<b>1.9%</b>	719,356	700,172	2.7%
<b>Rocky Mountain</b>	4,447	4,404	1.0%	<b>65,862</b>	<b>64,392</b>	<b>2.3%</b>	276,778	277,654	-0.3%
<b>Pacific Northwest</b>	3,125	2,875	8.7%	<b>47,047</b>	<b>42,346</b>	<b>11.1%</b>	156,926	153,201	2.4%
<b>Pacific Southwest</b>	4,667	4,786	-2.5%	<b>64,687</b>	<b>64,210</b>	<b>0.7%</b>	283,398	284,426	-0.4%
<b>Total United States <sup>1/</sup></b>	<u>69,461</u>	<u>67,204</u>	3.4%	<u><b>961,063</b></u>	<u><b>964,772</b></u>	<b>-0.4%</b>	4,022,682	3,965,790	1.4%
<b>Coal Regions Only <sup>2/</sup></b>	59,394	57,409	3.5%	<b>818,431</b>	<b>827,333</b>	<b>-1.1%</b>	3,458,373	3,404,492	1.6%

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.

<sup>1/</sup> Excludes Alaska and Hawaii

<sup>2/</sup> Excludes New England and Pacific regions

SOURCE: Edison Electric Institute (EEI), *Weekly Electric Output Report*.

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April 3, 2017

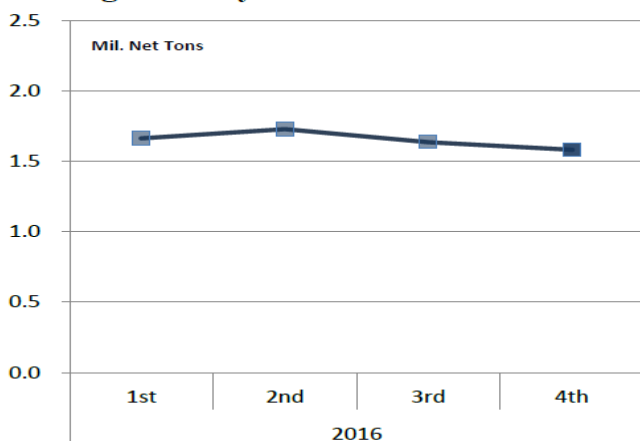
**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

<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>Apr. 1</u>	<u>Mar.25</u>	
<b><u>Week Ending</u></b>				North East	197	204
				Great Lakes	657	666
April 1, 2017	1,692	-1.9	71.4	Midwest	169	168
April 1, 2016	1,685	0.4	72.1	Southern	579	594
March 25, 2017	1,725	-1.3	72.8	Western	90	93
				<b>Total</b>	<b>1,692</b>	<b>1,725</b>
<b><u>Year-to-Date +</u></b>						
April 1, 2017	22,551	4.1	73.2			
April 1, 2016	21,657	-	71.3			

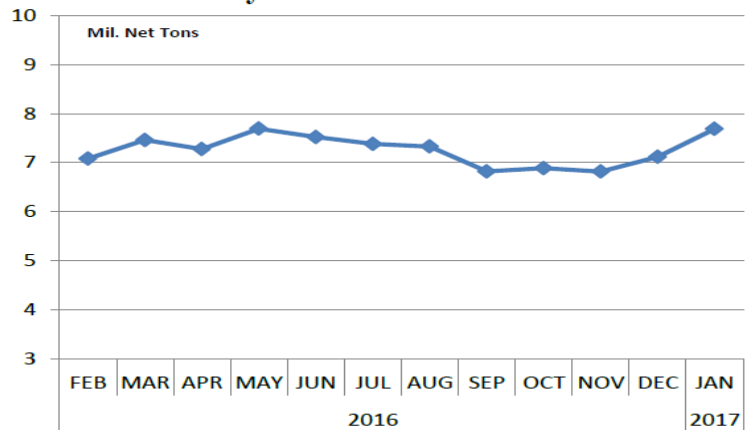
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 2016 is approximately 31.2 million net tons vs. 31.4 million net tons for the same period last year, and 30.7 million tons for the third quarter of 2016.

**Average Weekly Raw Steel Production**



**Monthly Raw Steel Production**



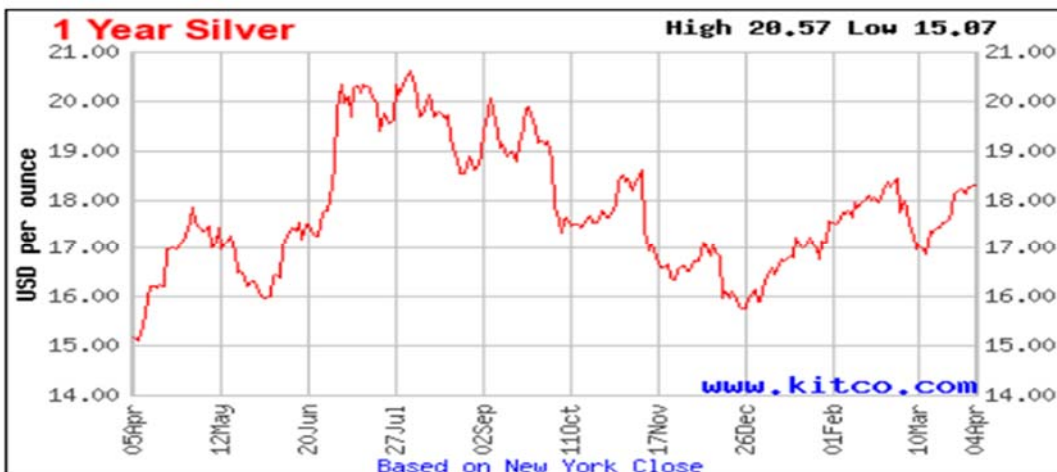
\*Steel in the first solid state after melting suitable for further processing or sale, including ingots, steel for castings and strand or pressure cast blooms, slabs or other product forms. \*\* Based on tonnage capability to produce raw steel for a sustained full order book.



Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)

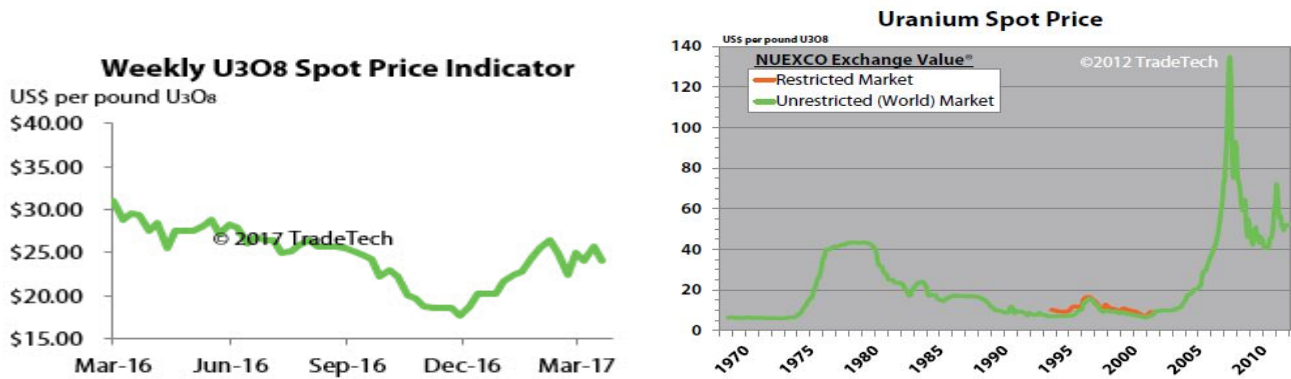


Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)

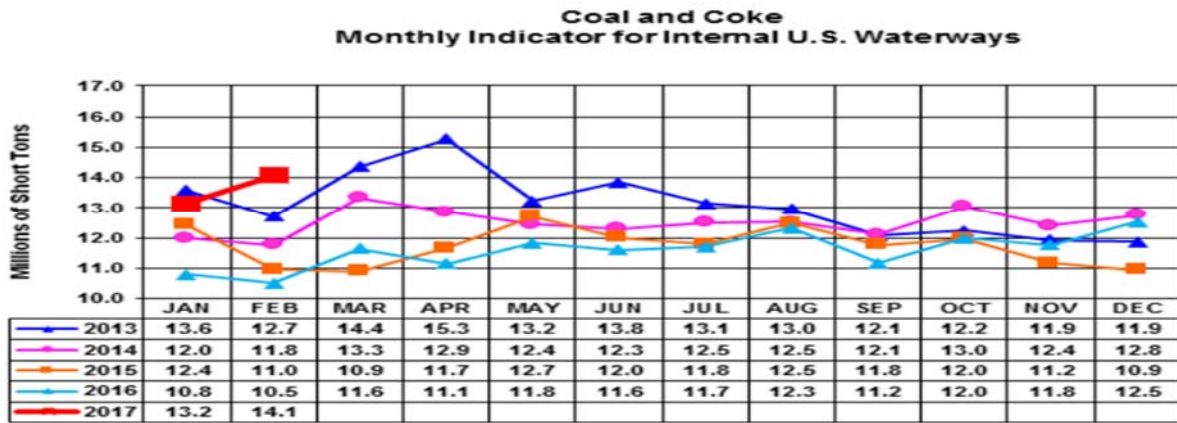


Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)

### Trade Tech's Uranium Price Indicators



Source: Trade Tech, Uranium Info Website – [www.uranium.info](http://www.uranium.info)



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.

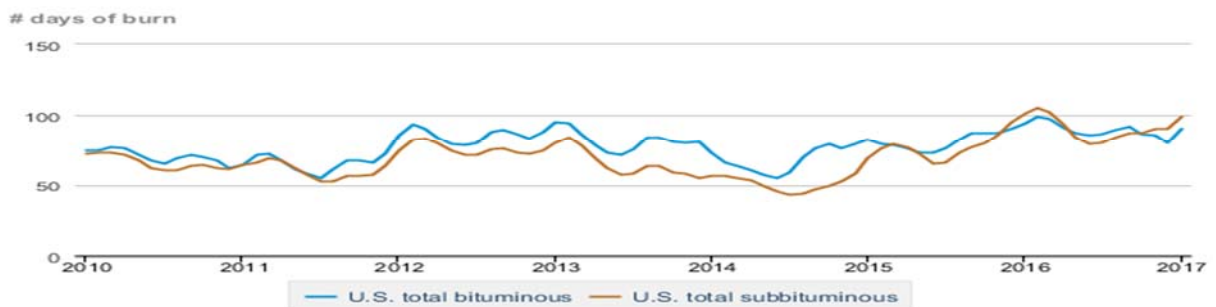
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

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

	Week ending					Week ago
	03/03/17	03/10/17	03/17/17	03/24/17	03/31/17	change
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$51.60	\$51.60	\$51.60	\$51.60	\$51.75	\$0.15
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$46.25	\$45.00	\$45.00	\$45.00	\$45.15	\$0.15
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$31.65	\$31.65	\$31.65	\$31.65	\$31.65	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$11.50	\$11.45	\$11.45	\$11.45	\$11.50	\$0.05
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$40.10	\$39.90	\$39.90	\$39.90	\$40.00	\$0.10

Source: Energy Information Administration (with permission from SNL), *Coal News and Markets Report*

### Days of burn by non-lignite coal rank, January 2009 - January 2017



 Source: U.S. Energy Information Administration

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

### Temperature – heating & cooling degree days (week ending Mar 23)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	224	33	51	0	0	0
Middle Atlantic	204	28	48	0	0	0
E N Central	191	6	34	0	0	0
W N Central	138	-46	-33	0	-1	0
South Atlantic	114	12	28	7	-5	-9
E S Central	80	-17	-12	3	-2	1
W S Central	7	-49	-57	40	27	29
Mountain	68	-83	-66	12	10	5
Pacific	61	-25	9	0	-1	0
United States	127	-12	7	7	2	2

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	2016 Year to Date - 4th Quarter	2015 Year to Date - 4th Quarter	Percent Change
Aluminum, secondary (000 Mt.)	896.0	916.0	-2%
Cement (Mil. Mt.)	82.7	81.9	1%
Copper (000 Mt.)	1,430.0	1,410.0	1%
Gold (Mt.)	236.0	214.0	10%
Gypsum (Mil. Mt.)	16.4	15.0	9%
Iron Ore (Mil. Mt.)	39.9	43.1	-7%
Lead (000 Mt.)	330.0	358.0	-8%
Molybdenum (000 Mt.)	35.8	50.6	-29%
Phosphate rock (Mil. Mt.)	27.3	27.4	0%
Sand & gravel, construction (Mil. Mt.)	959.0	937.0	2%
Silver (Mt.)	1,150.0	1,090.0	6%
Soda ash (Mil. Mt.)	11.8	11.6	2%
Stone, crushed (Mil. Mt.)	1,370.0	1,330.0	3%
Zinc (000 Mt.)	772.0	797.0	-3%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2016 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	January 2017		January 2016			December 2016		
		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	5,181	75	7,967	100	-35.0%	5,484	66	-5.5%
	Subbituminous	96	30	652	220	-85.3%	98	36	-2.4%
South	Bituminous	29,594	90	35,366	97	-16.3%	29,868	77	-0.9%
	Subbituminous	5,760	76	7,792	98	-26.1%	5,978	68	-3.6%
Midwest	Bituminous	15,035	91	17,447	92	-13.8%	16,279	87	-7.6%
	Subbituminous	41,909	96	46,617	87	-10.1%	44,048	87	-4.9%
West	Bituminous	5,583	103	4,912	79	13.7%	5,868	98	-4.9%
	Subbituminous	29,650	107	40,971	121	-27.6%	31,244	100	-5.1%
U.S. Total	Bituminous	55,394	90	65,692	94	-15.7%	57,499	80	-3.7%
	Subbituminous	77,415	99	96,032	101	-19.4%	81,369	90	-4.9%

Source: Energy Information Administration, *Electricity Monthly Update*

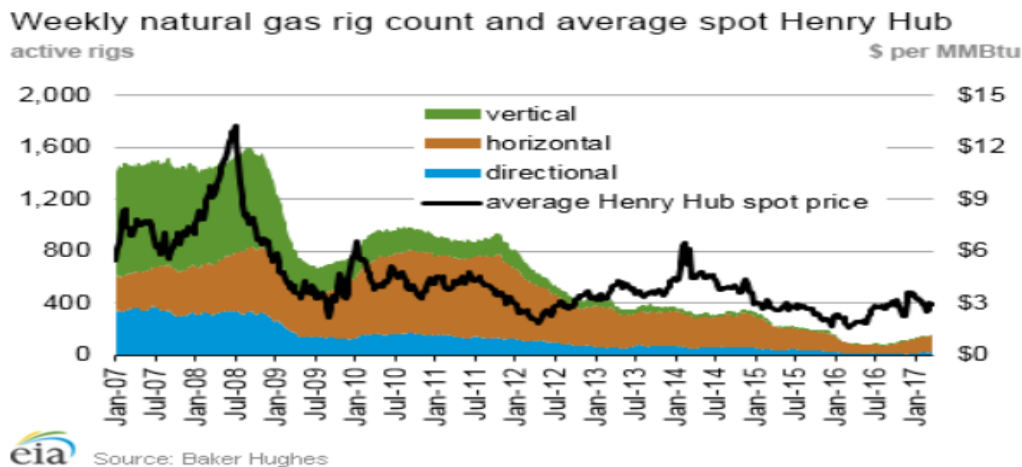
### EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2017-03-24	2017-03-17	change
East	278	309	-31
Midwest	486	506	-20
Mountain	141	137	4
Pacific	212	208	4
South Central	932	932	0
<b>Total</b>	<b>2,049</b>	<b>2,092</b>	<b>-43</b>

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Natural Gas Weekly Update*

### EIA Natural Gas Rig Count and Price Trend



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		
	March 2017	April 2017	change	March 2017	April 2017	change
Bakken	994	1,001	7	1,427	1,447	20
Eagle Ford	1,440	1,442	2	4,527	4,542	15
Haynesville	32	32	-	7,159	7,215	56
Marcellus	69	70	1	13,049	13,233	184
Niobrara	1,294	1,300	6	4,285	4,406	121
Permian	660	662	2	1,111	1,113	2
Utica	192	207	15	10,373	10,473	100
Rig-weighted average	711	720	9	3,513	3,516	3

Source: Energy Information Administration, *Drilling Productivity Report*