

National Mining Association

Weekly Statistical Summary

October 19, 2018 Edition
(Data for Week Ending October 13, 2018)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 56, No. 41
Dated 10/19/18

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	10/13/18	10/14/17	% Chng	10/13/18	10/14/17	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,497	15,063	-3.8%	591,684	609,060	-2.9%
52 Weeks Ended	755,276	792,592	-4.7%			
AAR Coal Rail Cars Loaded:	86,312	86,292	0.0%	3,451,530	3,479,318	-0.8%
Coal Production Month Ended - Sep	Sep 18/17		% Chng	Jan - Sep 18/17		% Chng
	62,640	62,802	-0.3%	564,222	580,276	-2.8%
DOC Coal Trade (000 Tons)						
Exports:	Aug 18/17		% Chng	Jan - Aug 18/17		% Chng
Metallurgical	5,673	5,189	9.3%	42,255	35,032	20.6%
Steam *	4,363	3,376	29.2%	35,245	24,635	43.1%
Lignite	6	7	-14.3%	58	53	9.4%
Anthracite	15	7	114.3%	156	171	-8.8%
Total	10,057	8,579	17.2%	77,714	59,891	29.8%
Imports:	484	839	-42.3%	4,089	5,907	-30.8%
	Week Ended			Cumulative Week 1 to		
	10/13/18	10/14/17	% Chng	10/13/18	10/14/17	% Chng
EI Electric Total Output (Mil. Kwh)	74,100	74,900	-1.1%	3,301,522	3,177,695	3.9%
EI Coal Region Output (Mil. Kwh)	64,265	64,734	-0.7%	2,860,300	2,731,556	4.7%
AISI Raw Steel Output (000 Tons)	1,881	1,705	10.3%	74,201	70,836	4.8%

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)	
	10/12/18	10/05/18	% Chng	Wed.	10/10/18
Central App, 12,500 Btu, 1.2 SO ₂	\$76.60	\$76.60	0.0%	Henry Hub	3.37
Northern App, 13,000 Btu, < 3.0 SO ₂	60.00	60.00	0.0%	New York	2.93
Illinois Basin, 11,800, 5.0 SO ₂	37.70	37.70	0.0%	Chicago	3.37
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.05	12.05	0.0%	Cal.Comp.Avg.	3.44
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. r/ revised.

Sources: EIA; Edison Electric Institute; American Iron & Steel Institute; Association of American Railroads; Dept. of Commerce; SNL Energy; NGI's Daily Gas Price Index



THE AMERICAN RESOURCE

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		
	10/13/2018 (week 41)	10/6/2018 (week 40)	10/14/2017 (week 41)	10/13/2018	10/13/2017	% Change	10/13/2018	10/14/2017	% Change
Alabama	286	266	241	11,469	10,208	12.3	14,089	12,607	11.8
Alaska	20	20	20	720	734	-1.9	943	929	1.5
Arizona	139	137	140	5,064	4,687	8.1	6,581	5,967	10.3
Arkansas	.	s	.	17	43	-60.0	17	53	-67.9
Colorado	250	251	291	11,022	11,850	-7.0	14,181	15,545	-8.8
Illinois	916	903	890	38,753	38,522	0.6	48,419	48,708	-0.6
Indiana	620	664	596	26,636	24,926	6.9	33,104	31,654	4.6
Kentucky Total	713	748	775	31,292	33,292	-6.0	39,706	43,582	-8.9
Eastern (KY)	341	351	362	14,129	14,223	-0.7	18,061	18,306	-1.3
Western (KY)	372	397	413	17,162	19,070	-10.0	21,645	25,277	-14.4
Louisiana	23	19	38	982	1,661	-40.9	1,395	2,399	-41.9
Maryland	25	26	31	1,095	1,464	-25.2	1,436	1,916	-25.1
Mississippi	39	42	45	1,971	2,107	-6.5	2,462	2,797	-12.0
Missouri	5	5	5	202	193	4.9	253	248	2.0
Montana	808	822	756	30,423	26,918	13.0	38,639	35,583	8.6
New Mexico	148	170	215	6,743	11,483	-41.3	9,075	14,876	-39.0
North Dakota	587	596	583	23,179	22,380	3.6	29,511	29,251	0.9
Ohio	174	181	190	6,811	7,406	-8.0	8,869	9,664	-8.2
Oklahoma	12	12	11	546	437	24.9	669	584	14.6
Pennsylvania Total	904	939	946	39,245	38,737	1.3	49,517	50,566	-2.1
Anthracite (PA)	33	35	38	1,410	1,497	-5.8	1,820	1,890	-3.7
Bituminous (PA)	871	904	908	37,836	37,240	1.6	47,697	48,676	-2.0
Tennessee	4	4	5	182	371	-51.1	241	500	-51.8
Texas	613	561	767	22,306	27,949	-20.2	30,639	37,230	-17.7
Utah	300	298	321	11,017	10,803	2.0	14,498	14,193	2.1
Virginia	231	244	249	10,154	10,966	-7.4	12,858	14,116	-8.9
West Virginia Total	1,905	1,912	1,886	76,379	72,099	5.9	96,856	91,577	5.8
Northern (WV)	889	893	961	35,507	36,190	-1.9	45,946	46,803	-1.8
Southern (WV)	1,016	1,019	924	40,871	35,908	13.8	50,910	44,774	13.7
Wyoming	5,776	5,958	6,063	235,479	249,826	-5.7	301,319	328,046	-8.1
Appalachian Total	3,870	3,923	3,910	159,464	155,473	2.6	201,928	199,252	1.3
Interior Total	2,601	2,604	2,765	108,574	114,907	-5.5	138,601	148,950	-6.9
Western Total	8,026	8,252	8,388	323,646	338,680	-4.4	414,747	444,390	-6.7
East of Mississippi River	5,817	5,929	5,854	243,985	240,098	1.6	307,557	307,688	s
West of Mississippi River	8,680	8,850	9,210	347,699	368,962	-5.8	447,719	484,904	-7.7
Bituminous and Lignite	14,463	14,744	15,025	590,275	607,563	-2.8	753,456	790,702	-4.7
Anthracite	33	35	38	1,410	1,497	-5.8	1,820	1,890	-3.7
U.S. Total	14,497	14,780	15,063	591,684	609,060	-2.9	755,276	792,592	-4.7
Railroad Cars Loaded	86,312	88,939	86,292	3,451,530	3,479,318	-0.8	4,390,550	4,543,647	-3.4

Source: Energy Information Administration



Weekly Electric Output

Volume 86 No. 41

OUTPUT FOR WEEK ENDED - Oct 13, 2018

Oct 17, 2018

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Oct 13, 2018** was **74,100** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **183** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended October 13		52 Weeks Ended October 13	
	GWh Output	% Increase Over Corresponding Week of 2017	GWh Output	% Increase Over Corresponding Period of 2017
New England	2,154	-2.1	122,569	1.6
Mid-Atlantic	8,122	1.0	440,135	3.7
Central Industrial	12,195	5.9	685,018	4.1
West Central	5,835	1.7	337,459	3.8
Southeast	19,492	-3.4	1,050,443	3.9
South Central	13,731	-3.8	761,125	5.4
Rocky Mountain	4,890	-1.9	280,759	0.7
Pacific Northwest	2,637	-6.5	157,152	-1.4
Pacific Southwest	5,044	-2.0	279,109	-1.4
Total United States	74,100	-1.1	4,113,769	3.3

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2018	Week Ended	2017	% Inc. (18/17)	52 Weeks Ended	2018	% Inc. (18/17)
Sep 22	83,579	Sep 23	81,983	1.9	Sep 22	4,113,922	3.6
Sep 29	75,251	Sep 30	78,690	-4.4	Sep 29	4,110,483	3.4
Oct 06	78,378	Oct 07	74,293	5.5	Oct 06	4,114,569	3.5
Oct 13	74,100	Oct 14	74,900	-1.1	Oct 13	4,113,769	3.3
Oct 13	3,301,522	Oct 14	3,177,695	3.9	YEAR TO DATE, FIRST 41 WEEKS		

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

Week Ended	2018	Week Ended	2017	Week Ended	2016
Sep 22	196	Sep 23	197	Sep 24	197
Sep 29	180	Sep 30	193	Oct 01	180
Oct 06	194	Oct 07	187	Oct 08	185
Oct 13	183	Oct 14	191	Oct 15	179

* 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		
	13-Oct 2018 GWh Output	14-Oct 2017 GWh Output	% Increase Over Corresponding Week of 2017	13-Oct 2018 GWh Output	14-Oct 2017 GWh Output	% Increase Over Corresponding Week of 2017	13-Oct 2018 GWh Output	14-Oct 2017 GWh Output	% Increase Over Corresponding Week of 2017
New England	2,154	2,200	-2.1%	97,368	95,384	2.1%	122,569	120,602	1.6%
Mid-Atlantic	8,122	8,043	1.0%	352,681	337,521	4.5%	440,135	424,499	3.7%
Central Industrial	12,195	11,515	5.9%	547,946	521,201	5.1%	685,018	657,934	4.1%
West Central	5,835	5,735	1.7%	269,698	258,182	4.5%	337,459	325,140	3.8%
Southeast	19,492	20,179	-3.4%	845,611	808,216	4.6%	1,050,443	1,010,528	3.9%
South Central	13,731	14,275	-3.8%	620,463	584,979	6.1%	761,125	722,274	5.4%
Rocky Mountain	4,890	4,987	-1.9%	223,901	221,457	1.1%	280,759	278,856	0.7%
Pacific Northwest	2,637	2,820	-6.5%	121,154	123,544	-1.9%	157,152	159,329	-1.4%
Pacific Southwest	5,044	5,146	-2.0%	222,698	227,212	-2.0%	279,109	283,068	-1.4%
Total United States ^{1/}	<u>74,100</u>	<u>74,900</u>	-1.1%	3,301,520	3,177,696	3.9%	4,113,769	3,982,230	3.3%
Coal Regions Only ^{2/}	64,265	64,734	-0.7%	2,860,300	2,731,556	4.7%	3,554,939	3,419,231	4.0%

Notes: EEl 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. EEl 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 (EEl), *Weekly Electric Output Report*.

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October 15, 2018

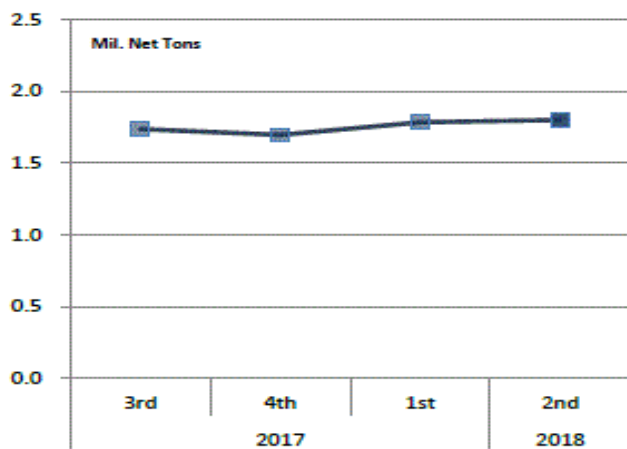
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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>Oct. 13</u>	<u>Oct. 6</u>	
<u>Week Ending</u>				North East	221	216
				Great Lakes	650	646
October 13, 2018	1,881	1.6	80.2	Midwest	211	196
October 13, 2017	1,705	10.3	73.2	Southern	725	720
October 6, 2018	1,851	-0.3	79.0	Western	74	73
				Total	1,881	1,851
<u>Year-to-Date +</u>						
October 13, 2018	74,201	4.8	77.6			
October 13, 2017	70,836	-	74.3			

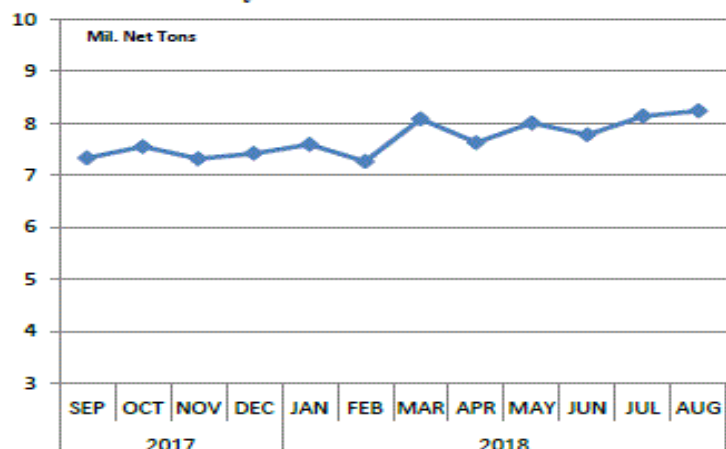
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 third quarter 2018 is approximately 30.8 million net tons vs. 30.6 million net tons for the same period last year, and 30.5 million tons for the second quarter of 2018.

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

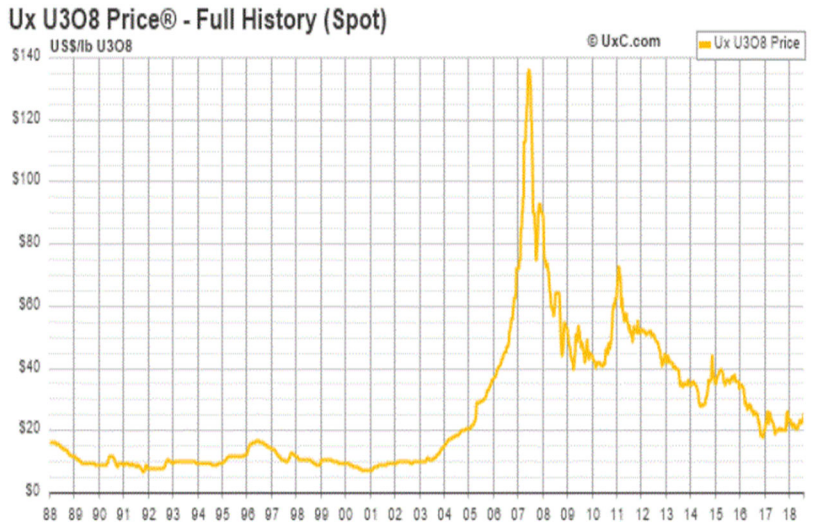
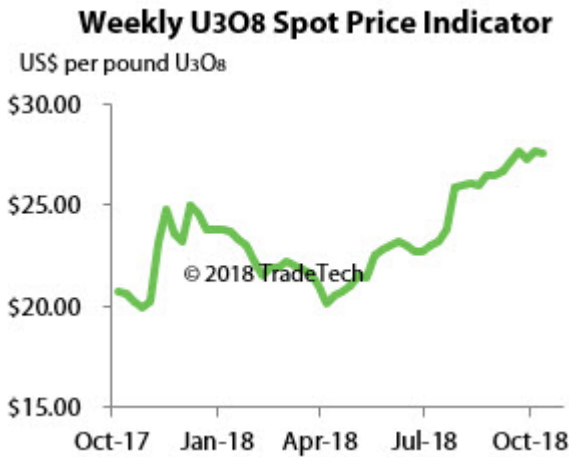
Week 41, 2018 – Ended October 13, 2018

	This Week		Year-To-Date		
	Cars	vs 2017	Cumulative	Avg/wk ²	vs 2017
Total Carloads	263,787	0.4%	10,781,980	262,975	1.9%
Chemicals	30,416	-1.7%	1,322,201	32,249	4.2%
Coal	86,312	0.2%	3,460,153	84,394	-0.9%
Farm Products excl. Grain, and Food	16,355	0.4%	664,758	16,214	2.5%
Forest Products	9,927	-0.3%	422,733	10,311	2.6%
Grain	22,205	0.5%	942,244	22,982	4.0%
Metallic Ores and Metals	23,128	3.7%	957,014	23,342	3.2%
Motor Vehicles and Parts	17,608	0.4%	679,253	16,567	-0.6%
Nonmetallic Minerals	35,721	-7.4%	1,490,959	36,365	2.2%
Petroleum and Petroleum Products	11,783	31.5%	447,413	10,913	15.4%
Other	10,332	3.9%	395,252	9,640	-0.3%
Total Intermodal Units	285,970	3.0%	11,402,578	278,112	5.8%
Total Traffic	549,757	1.7%	22,184,558	541,087	3.9%

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

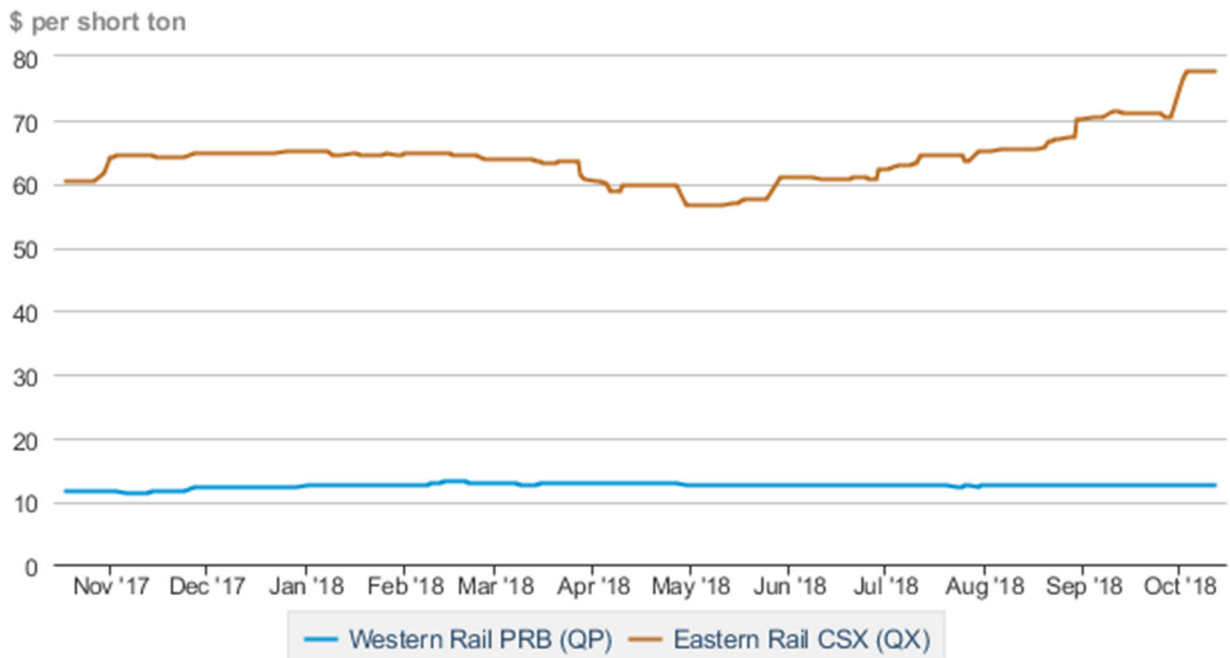
Trade Tech’s and UX’s Uranium Price Indicators

Ux U3O8 Price - Full History



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

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

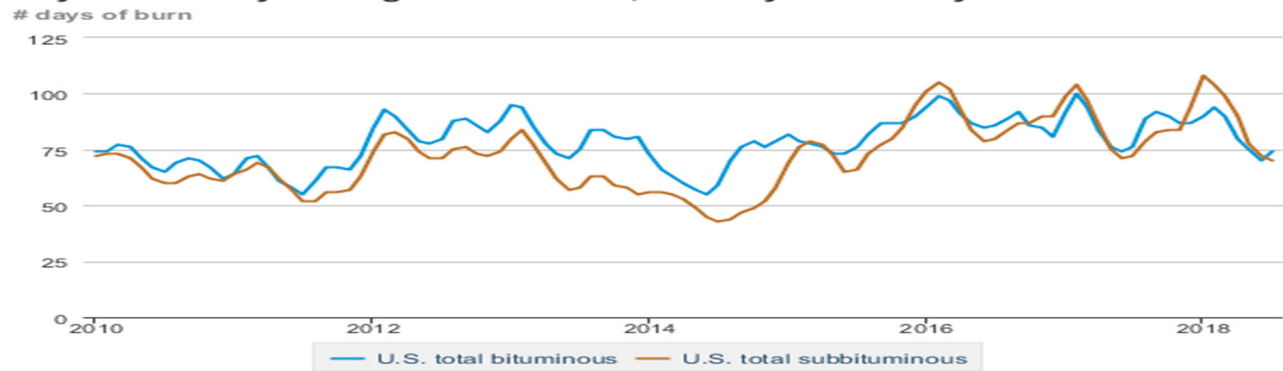
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Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	09/14/18	09/21/18	09/28/18	10/05/18	10/12/18	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$74.30	\$74.30	\$74.30	\$76.60	\$76.60	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$58.20	\$58.20	\$58.20	\$60.00	\$60.00	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$33.45	\$34.70	\$35.95	\$37.70	\$37.70	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.10	\$12.10	\$12.10	\$12.05	\$12.05	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.85	\$40.85	\$40.85	\$40.70	\$40.70	\$0.00

Source: Energy Information Administration (with permission from SNL), *Coal Market Report*

Days of burn by non-lignite coal rank, January 2009 - July 2018



 Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Oct 04)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	47	-20	-14	0	-1	-4
Middle Atlantic	20	-35	-26	4	0	2
E N Central	44	-14	7	12	7	4
W N Central	79	22	41	12	4	2
South Atlantic	0	-25	-20	76	34	26
E S Central	3	-20	-5	65	38	27
W S Central	1	-4	0	81	29	8
Mountain	37	-22	-33	31	6	12
Pacific	9	-10	-8	16	-2	3
United States	26	-14	-5	35	14	9

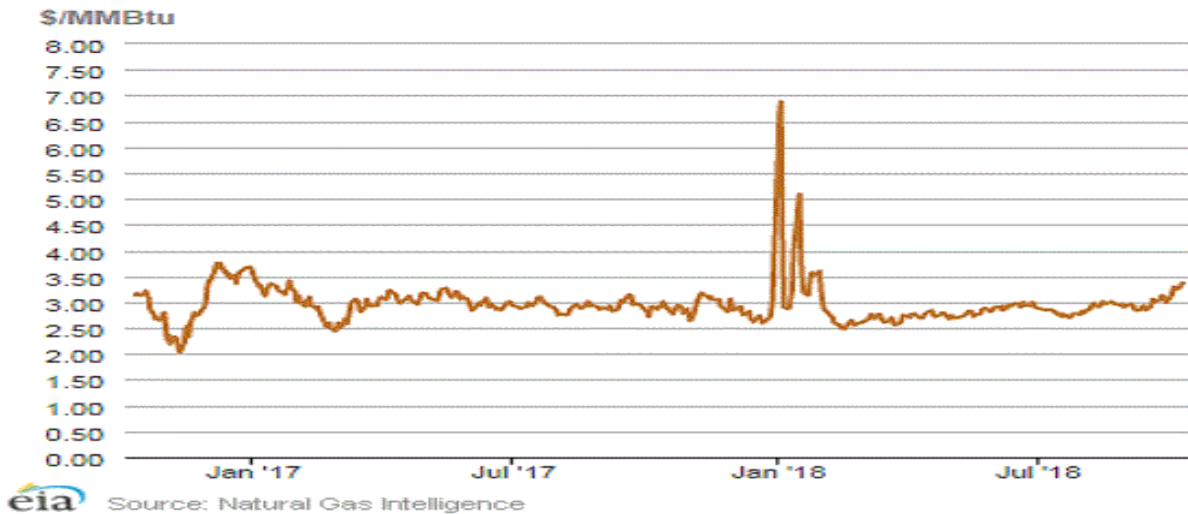
Note: HDD = heating degree day; CDD = cooling degree day

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

USGS Production of Selected Mineral Commodities	2018 Year to Date - 2nd Quarter	2017 Year to Date - 2nd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	417.0	419.0	0%
Cement (Mil. Mt.)	40.4	39.6	2%
Copper (000 Mt.)	599.0	649.0	-8%
Gold (Mt.)	104.0	119.0	-13%
Gypsum (Mil. Mt.)	8.4	8.2	2%
Iron Ore (Mil. Mt.)	24.0	22.3	8%
Lead (000 Mt.)	130.0	158.0	-18%
Molybdenum (000 Mt.)	20.7	19.3	7%
Phosphate rock (Mil. Mt.)	13.5	13.7	-1%
Sand & gravel, construction (Mil. Mt.)	435.0	401.0	8%
Silver (Mt.)	442.0	536.0	-18%
Soda ash (Mil. Mt.)	5.8	5.8	0%
Stone, crushed (Mil. Mt.)	650.0	624.0	4%
Zinc (000 Mt.)	383.0	336.0	14%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2018 data are preliminary estimates.

Natural gas spot prices (Henry Hub)



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

Coal stocks and average number of days of burn for non-lignite coal by region (electric power sector)

Zone	Coal	July 2018		July 2017			June 2018		
		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	2,921	81	3,915	72	-25.4%	3,408	85	-14.3%
	Subbituminous	172	197	129	166	33.6%	147	213	17.5%
South	Bituminous	19,630	66	28,498	75	-31.1%	21,552	62	-8.9%
	Subbituminous	5,481	52	5,709	55	-4.0%	6,246	55	-12.2%
Midwest	Bituminous	10,225	76	13,750	76	-25.6%	10,802	73	-5.3%
	Subbituminous	28,934	81	38,044	73	-23.9%	31,471	79	-8.1%
West	Bituminous	5,024	97	5,576	82	-9.9%	5,317	99	-5.5%
	Subbituminous	22,274	65	28,437	74	-21.7%	24,946	69	-10.7%
U.S. Total	Bituminous	37,801	74	51,738	76	-26.9%	41,080	70	-8.0%
	Subbituminous	56,861	70	72,319	72	-21.4%	62,809	72	-9.5%

Source: Energy Information Administration, *Electricity Monthly Update*

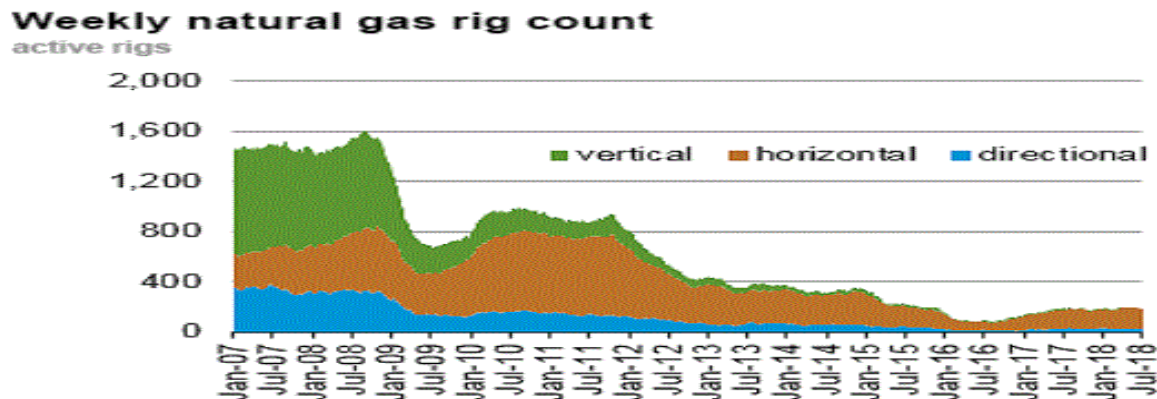
EIA Working Natural Gas Underground Storage

Working gas in underground storage			
Region	Stocks billion cubic feet (Bcf)		
	2018-10-05	2018-09-28	change
East	790	763	27
Midwest	871	836	35
Mountain	180	177	3
Pacific	262	262	0
South Central	854	829	25
Total	2,956	2,866	90

Source: Form EIA-912, "Weekly Underground Natural Gas Storage Report"

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

EIA Natural Gas Rig Count



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 2018	November 2018	change	October 2018	November 2018	change
Anadarko	407	410	3	2,891	2,914	23
Appalachia	145	146	1	16,697	16,907	210
Bakken	1,523	1,538	15	1,940	1,984	44
Eagle Ford	1,445	1,452	7	5,864	5,993	129
Haynesville	26	26	-	8,661	8,715	54
Niobrara	1,191	1,193	2	4,431	4,443	12
Permian	552	595	43	1,230	1,230	-
Total	643	668	25	3,747	3,791	44

Source: Energy Information Administration, *Drilling Productivity Report*