

National Mining Association

Weekly Statistical Summary

October 12, 2018 Edition
(Data for Week Ending October 6, 2018)

Prepared by
National Mining Association



Suite 500 East, 101 Constitution Avenue, NW
Washington, DC, 20001
Phone (202) 463-2600

Visit us at <http://www.nma.org>

NMA Weekly Statistical Summary

Vol. 56, No. 40
Dated 10/12/18

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	10/06/18	10/07/17	% Chng	10/06/18	10/07/17	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,771	15,271	-3.3%	577,179	593,561	-2.8%
52 Weeks Ended	755,751	792,672	-4.7%			
AAR Coal Rail Cars Loaded:	88,939	87,521	1.6%	3,365,219	3,392,863	-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			Jan - Aug 18/17		
			% Chng			% 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		
	10/06/18	10/07/17	% Chng	10/06/18	10/07/17	% Chng
EI Electric Total Output (Mil. Kwh)	78,378	74,293	5.5%	3,227,421	3,102,795	4.0%
EI Coal Region Output (Mil. Kwh)	68,247	64,291	6.2%	2,796,035	2,666,822	4.8%
AISI Raw Steel Output (000 Tons)	1,851	1,706	8.5%	72,320	69,131	4.6%

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)	
	10/05/18	09/28/18	% Chng	Wed.	10/03/18
Central App, 12,500 Btu, 1.2 SO ₂	\$76.60	\$74.30	3.1%	Henry Hub	3.26
Northern App, 13,000 Btu, < 3.0 SO ₂	60.00	58.20	3.1%	New York	3.29
Illinois Basin, 11,800, 5.0 SO ₂	37.70	35.95	4.9%	Chicago	3.18
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.05	12.10	-0.4%	Cal.Comp.Avg.	3.01
Uinta Basin, 11,700 Btu, 0.8 SO ₂	40.70	40.85	-0.4%		

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



EIA Estimated Weekly U.S. Coal Production Overview

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	10/6/2018 (week 40)	9/29/2018 (week 39)	10/7/2017 (week 40)	10/6/2018	10/6/2017	% Change	10/6/2018	10/7/2017	% Change
Alabama	268	265	245	11,184	9,812	14.0	14,046	12,414	13.1
Alaska	20	19	21	701	713	-1.8	943	925	1.9
Arizona	137	129	142	4,926	4,547	8.3	6,582	5,935	10.9
Arkansas	1	1	.	17	27	-35.5	17	37	-54.1
Colorado	251	267	295	10,772	11,558	-6.8	14,222	15,567	-8.6
Illinois	902	935	903	37,836	37,682	0.4	48,392	48,732	-0.7
Indiana	664	645	604	26,016	24,330	6.9	33,080	31,629	4.6
Kentucky Total	736	757	782	30,567	33,114	-7.7	39,708	44,278	-10.3
Eastern (KY)	339	351	363	13,776	14,437	-4.6	18,023	18,866	-4.5
Western (KY)	397	406	419	16,790	18,677	-10.1	21,685	25,412	-14.7
Louisiana	19	20	39	958	1,623	-40.9	1,409	2,424	-41.9
Maryland	25	28	28	1,069	1,332	-19.7	1,393	1,821	-23.5
Mississippi	42	42	46	1,931	2,061	-6.3	2,468	2,811	-12.2
Missouri	5	5	5	198	188	5.0	253	248	2.0
Montana	823	840	767	29,616	26,160	13.2	38,588	35,560	8.5
New Mexico	170	199	218	6,594	10,622	-37.9	9,142	14,303	-36.1
North Dakota	596	592	591	22,592	21,796	3.7	29,507	29,250	0.9
Ohio	181	181	192	6,636	7,225	-8.1	8,883	9,675	-8.2
Oklahoma	12	13	11	534	426	25.4	668	585	14.2
Pennsylvania Total	940	956	959	38,342	37,749	1.6	49,553	50,583	-2.0
Anthracite (PA)	36	35	38	1,377	1,430	-3.7	1,825	1,856	-1.7
Bituminous (PA)	904	921	920	36,966	36,320	1.8	47,727	48,727	-2.1
Tennessee	4	6	6	177	365	-51.5	242	506	-52.2
Texas	560	651	780	21,691	27,111	-20.0	30,816	37,180	-17.1
Utah	299	285	325	10,717	10,482	2.2	14,519	14,160	2.5
Virginia	244	249	253	9,924	10,693	-7.2	12,877	14,111	-8.7
West Virginia Total	1,910	1,902	1,912	74,472	70,192	6.1	96,832	91,322	6.0
Northern (WV)	894	884	975	34,619	35,268	-1.8	46,019	46,781	-1.6
Southern (WV)	1,016	1,018	937	39,853	34,924	14.1	50,813	44,541	14.1
Wyoming	5,962	6,187	6,149	229,707	243,752	-5.8	301,610	328,615	-8.2
Appalachian Total	3,912	3,939	3,957	155,582	151,806	2.5	201,849	199,297	1.3
Interior Total	2,603	2,718	2,806	105,972	112,125	-5.5	138,789	149,059	-6.9
Western Total	8,257	8,519	8,508	315,624	329,630	-4.2	415,113	444,316	-6.6
East of Mississippi River	5,918	5,967	5,928	238,157	234,557	1.5	307,474	307,881	-0.1
West of Mississippi River	8,853	9,209	9,343	339,022	359,005	-5.6	448,277	484,791	-7.5
Bituminous and Lignite	14,735	15,141	15,232	575,802	592,132	-2.8	753,925	790,816	-4.7
Anthracite	36	35	38	1,377	1,430	-3.7	1,825	1,856	-1.7
U.S. Total	14,771	15,176	15,271	577,179	593,561	-2.8	755,751	792,672	-4.7
Railroad Cars Loaded	88,939	89,445	87,521	3,365,219	3,392,863	-0.8	4,390,530	4,547,550	-3.5

Source: Energy Information Administration



Weekly Electric Output

Volume 86 No. 40

OUTPUT FOR WEEK ENDED - Oct 06, 2018

Oct 10, 2018

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Oct 06, 2018** was **78,378** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **194** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended October 06		52 Weeks Ended October 06	
	GWh Output	% Increase Over Corresponding Week of 2017	GWh Output	% Increase Over Corresponding Period of 2017
New England	2,053	-2.2	122,615	1.8
Mid-Atlantic	7,787	3.1	440,056	3.9
Central Industrial	11,971	2.3	684,338	4.1
West Central	5,873	-2.6	337,359	3.8
Southeast	21,826	13.4	1,051,130	4.3
South Central	15,391	5.9	761,669	5.6
Rocky Mountain	5,399	3.2	280,856	0.6
Pacific Northwest	2,661	1.0	157,335	-1.2
Pacific Southwest	5,417	2.9	279,211	-1.4
Total United States	78,378	5.5	4,114,569	3.5

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2018	Week Ended	2017	% Inc. (18/17)	52 Weeks Ended	2018	% Inc. (18/17)
Sep 15	79,597	Sep 16	75,251	5.8	Sep 15	4,112,327	3.6
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 06	3,227,421	Oct 07	3,102,795	4.0	YEAR TO DATE, FIRST 40 WEEKS		

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

Week Ended	2018	Week Ended	2017	Week Ended	2016
Sep 15	182	Sep 16	175	Sep 17	191
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

* 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		
	6-Oct 2018 GWh Output	7-Oct 2017 GWh Output	% Increase Over Corresponding Week of 2017	6-Oct 2018 GWh Output	7-Oct 2017 GWh Output	% Increase Over Corresponding Week of 2017	6-Oct 2018 GWh Output	7-Oct 2017 GWh Output	% Increase Over Corresponding Week of 2017
New England	2,053	2,101	-2.3%	95,214	93,184	2.2%	122,615	120,475	1.8%
Mid-Atlantic	7,787	7,550	3.1%	344,559	329,478	4.6%	440,056	423,600	3.9%
Central Industrial	11,971	11,703	2.3%	535,751	509,686	5.1%	684,338	657,398	4.1%
West Central	5,873	6,031	-2.6%	263,863	252,447	4.5%	337,359	325,116	3.8%
Southeast	21,826	19,247	13.4%	826,119	788,037	4.8%	1,051,130	1,008,053	4.3%
South Central	15,391	14,529	5.9%	606,732	570,704	6.3%	761,669	721,173	5.6%
Rocky Mountain	5,399	5,231	3.2%	219,011	216,470	1.2%	280,856	279,110	0.6%
Pacific Northwest	2,661	2,635	1.0%	118,517	120,724	-1.8%	157,335	159,212	-1.2%
Pacific Southwest	5,417	5,266	2.9%	217,654	222,066	-2.0%	279,211	283,208	-1.4%
Total United States ^{1/}	<u>78,378</u>	<u>74,293</u>	5.5%	<u>3,227,420</u>	<u>3,102,796</u>	4.0%	4,114,569	3,977,345	3.5%
Coal Regions Only ^{2/}	68,247	64,291	6.2%	2,796,035	2,666,822	4.8%	3,555,408	3,414,450	4.1%

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*.

AMERICAN IRON AND STEEL INSTITUTE
 25 Massachusetts Avenue, NW, Suite 800
 Washington, D.C. 20001

October 8, 2018

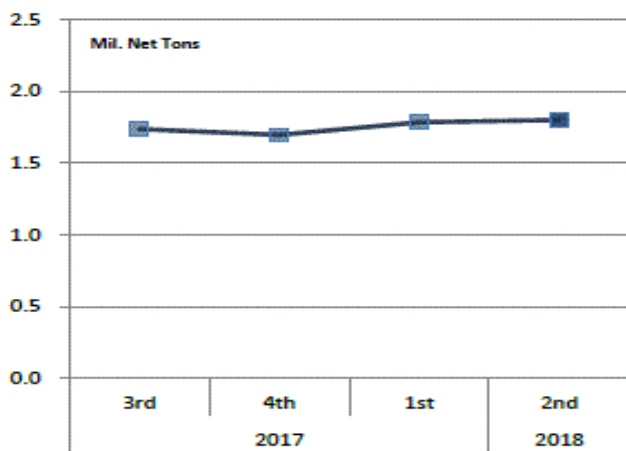
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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. 6</u>	<u>Sep. 29</u>	
<u>Week Ending</u>				North East	216	228
				Great Lakes	646	689
October 6, 2018	1,851	-0.3	79.0	Midwest	196	187
October 6, 2017	1,706	8.5	73.2	Southern	720	670
September 29, 2018	1,856	-0.4	79.2	Western	73	82
				Total	1,851	1,856
<u>Year-to-Date +</u>						
October 6, 2018	72,320	4.6	77.5			
October 6, 2017	69,131	-	74.4			

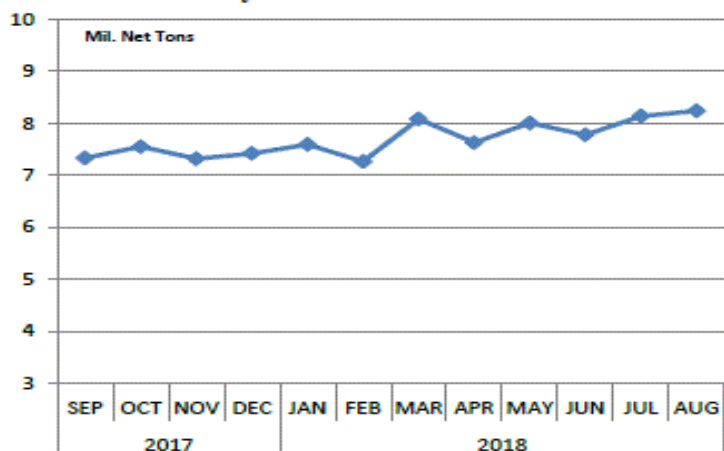
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 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 40, 2018 – Ended October 6, 2018

	This Week		Year-To-Date		
	Cars	vs 2017	Cumulative	Avg/wk ²	vs 2017
Total Carloads	269,634	0.7%	10,518,193	262,955	2.0%
Chemicals	31,352	0.7%	1,291,785	32,295	4.4%
Coal	88,939	1.4%	3,373,841	84,346	-0.9%
Farm Products excl. Grain, and Food	16,769	0.3%	648,403	16,210	2.6%
Forest Products	10,174	-0.3%	412,806	10,320	2.6%
Grain	22,641	-7.8%	920,039	23,001	4.0%
Metallic Ores and Metals	22,121	4.1%	933,886	23,347	3.2%
Motor Vehicles and Parts	17,652	2.6%	661,645	16,541	-0.6%
Nonmetallic Minerals	37,581	-4.0%	1,455,238	36,381	2.4%
Petroleum and Petroleum Products	12,545	25.9%	435,630	10,891	15.0%
Other	9,860	-1.5%	384,920	9,623	-0.4%
Total Intermodal Units	284,604	1.8%	11,116,608	277,915	5.9%
Total Traffic	554,238	1.2%	21,634,801	540,870	3.9%

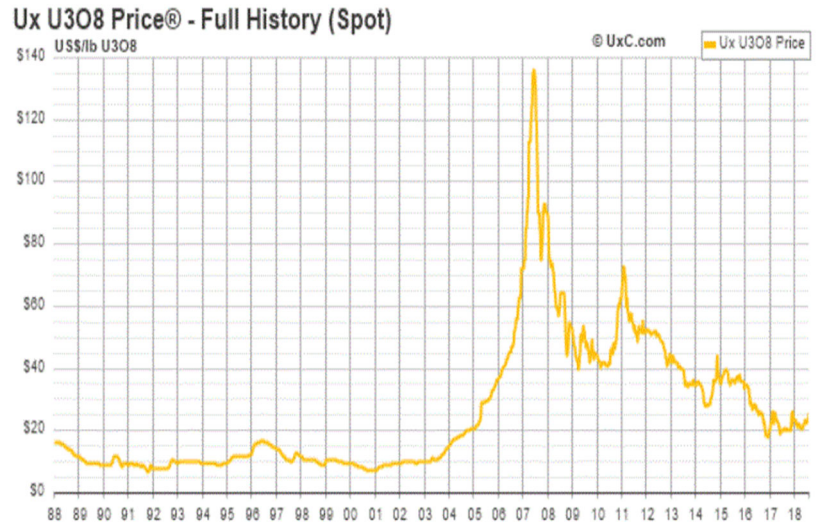
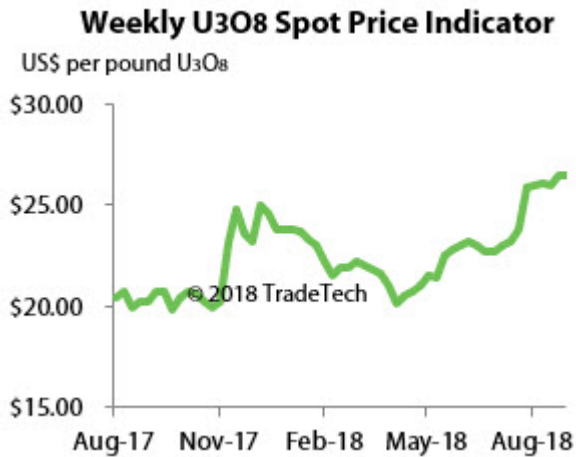
¹ Excludes U.S. operations of Canadian Pacific, CN and GMXT.

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>

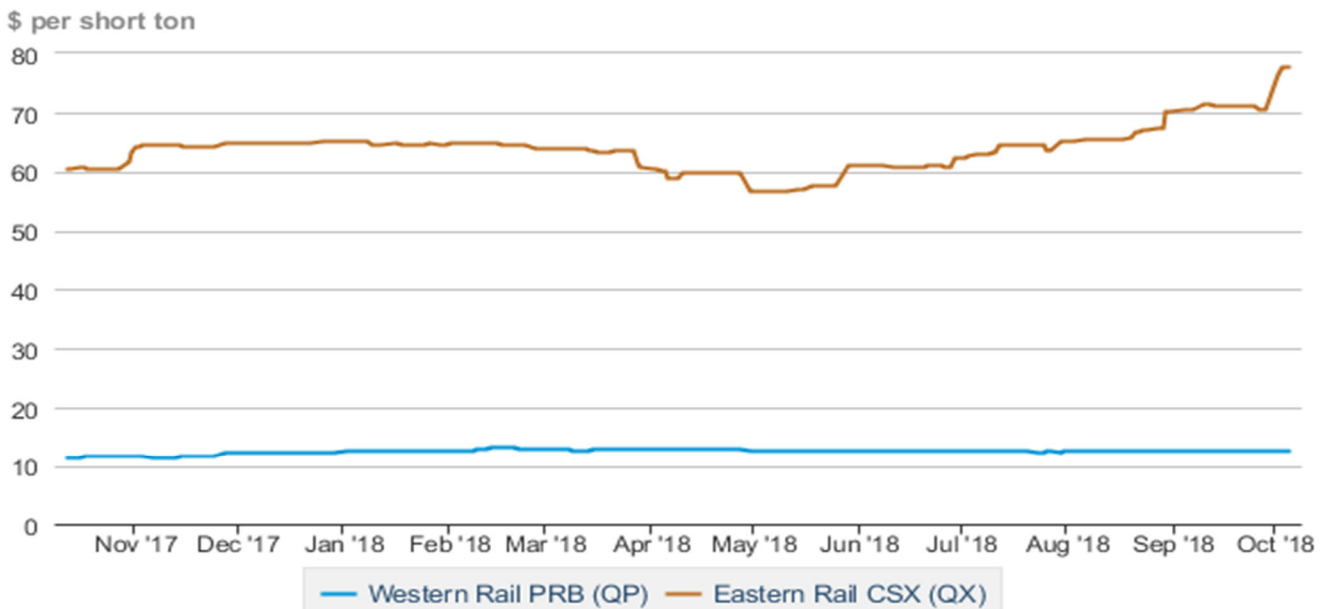
Trade Tech’s and UX’s Uranium Price Indicators

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.

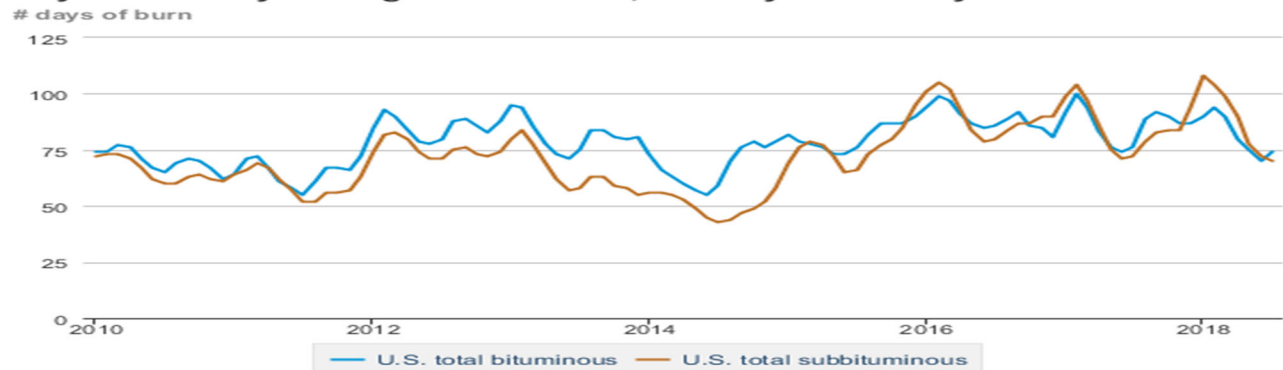
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago change
	09/07/18	09/14/18	09/21/18	09/28/18	10/05/18	
Central Appalachia <i>12,500 Btu, 1.2 SO₂</i>	\$75.45	\$74.30	\$74.30	\$74.30	\$76.60	\$2.30
Northern Appalachia <i>13,000 Btu, < 3.0 SO₂</i>	\$58.20	\$58.20	\$58.20	\$58.20	\$60.00	\$1.80
Illinois Basin <i>11,800 Btu, 5.0 SO₂</i>	\$32.70	\$33.45	\$34.70	\$35.95	\$37.70	\$1.75
Powder River Basin <i>8,800 Btu, 0.8 SO₂</i>	\$12.10	\$12.10	\$12.10	\$12.10	\$12.05	\$-0.05
Uinta Basin <i>11,700 Btu, 0.8 SO₂</i>	\$40.85	\$40.85	\$40.85	\$40.85	\$40.70	\$-0.15

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 Sep 27)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	37	-12	34	4	3	-37
Middle Atlantic	17	-21	17	9	3	-47
E N Central	33	-9	31	14	7	-61
W N Central	49	5	32	8	-3	-43
South Atlantic	2	-13	2	79	29	-4
E S Central	1	-13	1	72	36	-7
W S Central	4	0	3	71	6	-30
Mountain	35	-13	-36	41	11	26
Pacific	7	-9	-16	34	11	23
United States	20	-10	9	39	12	-21

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

Source: National Oceanic and Atmospheric Administration

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

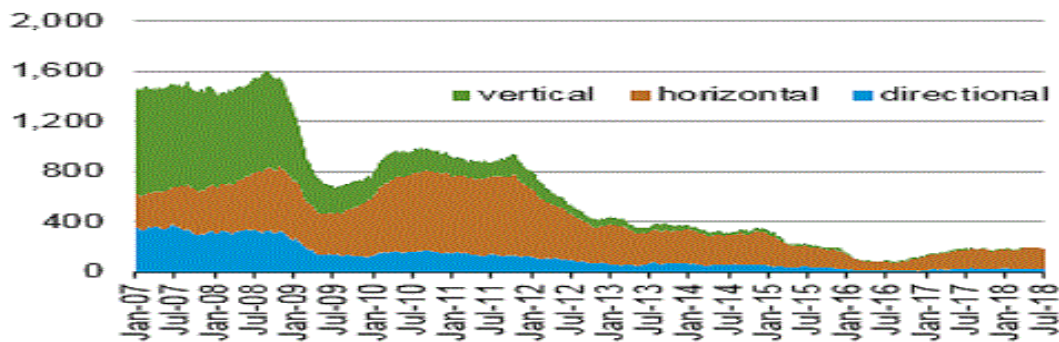
Region	Stocks billion cubic feet (Bcf)		
	2018-09-28	2018-09-21	change
East	763	729	34
Midwest	836	800	36
Mountain	177	173	4
Pacific	262	259	3
South Central	829	807	22
Total	2,866	2,768	98

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

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

EIA Natural Gas Rig Count

Weekly natural gas rig count
active rigs



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 2018	October 2018	change	September 2018	October 2018	change
Anadarko	408	411	3	2,881	2,904	23
Appalachia	145	146	1	16,131	16,282	151
Bakken	1,491	1,501	10	1,871	1,908	37
Eagle Ford	1,446	1,448	2	5,736	5,862	126
Haynesville	25	26	1	8,681	8,748	67
Niobrara	1,189	1,190	1	4,458	4,474	16
Permian	555	546	(9)	1,225	1,225	-
Total	646	641	(5)	3,736	3,733	(3)

Source: Energy Information Administration, *Drilling Productivity Report*