

National Mining Association

Weekly Statistical Summary

October 11, 2019 Edition
(Data for Week Ending October 5, 2019)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 57, No. 40
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PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	10/05/19	10/06/18	% Chng	10/05/19	10/06/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	13,156	15,198	-13.4%	547,238	574,717	-4.8%
52 Weeks Ended	726,710	755,350	-3.8%			
AAR Coal Rail Cars Loaded:	76,970	88,939	-13.5%	3,116,987	3,353,654	-7.1%
Coal Production Month Ended - Sep	September 19/18 57,860	% Chng 62,438	% Chng -7.3%	Jan - Sep 19/18 537,654	% Chng 563,304	% Chng -4.6%
DOC Coal Trade (000 Tons)						
Exports:	August 19/18			Jan - Aug 19/18		
			% Chng			% Chng
Metallurgical	5,022	5,673	-11.5%	37,683	42,255	-10.8%
Steam Bit. *	2,677	4,363	-38.6%	26,821	35,245	-23.9%
Lignite	5	6	-16.7%	60	58	3.4%
Anthracite	5	15	-66.7%	196	156	25.6%
Total	7,709	10,057	-23.3%	64,760	77,714	-16.7%
Imports:	519	484	7.2%	4,323	4,089	5.7%
	Week Ended			Cumulative Week 1 to		
	10/05/19	10/06/18	% Chng	10/05/19	10/06/18	% Chng
EI Electric Total Output (Mil. Kwh)	80,103	78,378	2.2%	3,169,187	3,227,421	-1.8%
EI Coal Region Output (Mil. Kwh)	70,562	68,247	3.4%	2,749,613	2,796,035	-1.7%
AISI Raw Steel Output (000 Tons)	1,804	1,877	-3.9%	74,257	72,063	3.0%

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)	
	10/04/19	09/27/19	% Chng	Wed.	10/02/19
Central App, 12,500 Btu, 1.2 SO ₂	\$65.55	\$63.60	3.1%	Henry Hub	2.30
Northern App, 13,000 Btu, < 3.0 SO ₂	56.25	54.55	3.1%	New York	1.50
Illinois Basin, 11,800, 5.0 SO ₂	39.00	39.00	0.0%	Chicago	1.91
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.10	12.15	-0.4%	Cal.Comp.Avg.	2.92
Uinta Basin, 11,700 Btu, 0.8 SO ₂	34.25	34.40	-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



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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									
	Week Ended			Year to Date			52 Weeks Ended		
Coal-Producing Region & State (thousand short tons)	10/5/2019 (week 40)	9/28/2019 (week 39)	10/6/2018 (week 40)	10/5/2019	10/5/2018	% Change	10/5/2019	10/6/2018	% Change
Alabama	268	276	288	11,622	11,334	2.5	15,033	14,234	5.6
Alaska	19	17	22	726	627	15.7	997	873	14.2
Arizona	111	119	128	4,943	5,034	-1.8	6,443	6,706	-3.9
Colorado	228	241	266	9,822	10,880	-9.7	12,934	14,364	-10.0
Illinois	877	905	971	37,584	37,879	-0.8	49,060	48,561	1.0
Indiana	651	650	709	26,349	26,052	1.1	34,801	33,209	4.8
Kentucky Total	688	696	773	29,186	30,484	-4.3	38,341	39,774	-3.6
Eastern (KY)	261	276	324	11,511	13,211	-12.9	15,339	17,547	-12.6
Western (KY)	427	420	449	17,675	17,274	2.3	23,002	22,228	3.5
Louisiana	19	27	25	1,044	1,208	-13.6	1,316	1,662	-20.8
Maryland	25	22	27	1,039	968	7.4	1,366	1,343	1.7
Mississippi	49	58	54	2,248	2,311	-2.7	2,870	2,854	0.6
Missouri	4	4	5	160	197	-18.9	221	254	-13.0
Montana	620	681	846	24,966	28,349	-11.9	35,115	37,433	-6.2
New Mexico	309	264	305	11,527	7,044	63.6	15,234	9,632	58.2
North Dakota	494	517	581	20,506	22,770	-9.9	27,304	29,760	-8.3
Ohio	160	164	193	6,533	6,681	-2.2	8,819	8,955	-1.5
Oklahoma	7	12	9	289	628	-54.0	376	763	-50.7
Pennsylvania Total	893	912	988	38,673	38,046	1.6	50,465	49,394	2.2
Anthracite (PA)	39	40	40	1,724	1,414	21.9	2,201	1,868	17.8
Bituminous (PA)	853	873	948	36,949	36,632	0.9	48,264	47,526	1.6
Tennessee	5	5	4	234	180	30.2	286	245	16.7
Texas	368	386	453	16,759	19,526	-14.2	21,998	28,684	-23.3
Utah	272	252	271	11,524	10,389	10.9	14,718	14,226	3.5
Virginia	224	230	256	9,480	9,949	-4.7	12,510	12,935	-3.3
West Virginia Total	1,652	1,717	1,842	72,859	73,513	-0.9	94,617	96,116	-1.6
Northern (WV)	862	858	932	36,751	34,913	5.3	47,831	46,435	3.0
Southern (WV)	791	859	910	36,108	38,601	-6.5	46,786	49,681	-5.8
Wyoming	5,212	5,421	6,182	209,165	230,666	-9.3	281,885	303,371	-7.1
Appalachian Total	3,488	3,602	3,923	151,952	153,882	-1.3	198,435	200,769	-1.2
Interior Total	2,403	2,462	2,675	102,107	105,075	-2.8	133,644	138,215	-3.3
Western Total	7,265	7,513	8,600	293,179	315,759	-7.2	394,631	416,366	-5.2
East of Mississippi River	5,492	5,634	6,106	235,807	237,398	-0.7	308,168	307,620	0.2
West of Mississippi River	7,663	7,942	9,091	311,430	337,319	-7.7	418,542	447,729	-6.5
Bituminous and Lignite	13,116	13,537	15,158	545,513	573,303	-4.8	724,509	753,482	-3.8
Anthracite	39	40	40	1,724	1,414	21.9	2,201	1,868	17.8
U.S. Total	13,156	13,576	15,198	547,238	574,717	-4.8	726,710	755,350	-3.8
Railroad Cars Loaded	76,970	79,066	88,939	3,116,987	3,353,654	-7.1	4,168,313	4,390,530	-5.1

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 40

OUTPUT FOR WEEK ENDED - Oct 05, 2019

Oct 09, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Oct 05, 2019** was **80,103** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **205** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended October 05		52 Weeks Ended October 05	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,024	-1.4	117,821	-3.9
Mid-Atlantic	7,804	0.2	431,091	-2.0
Central Industrial	12,231	2.2	666,184	-2.7
West Central	6,124	4.3	330,928	-1.9
Southeast	22,574	3.4	1,036,860	-1.4
South Central	16,610	7.9	766,418	0.6
Rocky Mountain	5,219	-3.3	281,011	0.1
Pacific Northwest	2,721	2.3	156,891	-0.3
Pacific Southwest	4,796	-11.5	268,286	-3.9
Total United States	80,103	2.2	4,055,490	-1.4

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2019	Week Ended	2018	% Inc. (19/18)	52 Weeks Ended	2019	% Inc. (19/18)
Sep 14	84,144	Sep 15	79,597	5.7	Sep 14	4,052,476	-1.5
Sep 21	80,770	Sep 22	83,579	-3.4	Sep 21	4,049,667	-1.6
Sep 28	79,349	Sep 29	75,251	5.4	Sep 28	4,053,765	-1.4
Oct 05	80,103	Oct 06	78,378	2.2	Oct 05	4,055,490	-1.4
Oct 05	3,169,187	Oct 06	3,227,421	-1.8	YEAR TO DATE, FIRST 40 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2019	Week Ended	2018	Week Ended	2017
Sep 14	200	Sep 15	182	Sep 16	175
Sep 21	195	Sep 22	196	Sep 23	197
Sep 28	198	Sep 29	180	Sep 30	193
Oct 05	205	Oct 06	194	Oct 07	187

* 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		
	5-Oct 2019 GWh Output	5-Oct 2018 GWh Output	% Increase Over Corresponding Week of 2018	5-Oct 2019 GWh Output	5-Oct 2018 GWh Output	% Increase Over Corresponding Week of 2018	5-Oct 2019 GWh Output	5-Oct 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	2,024	2,053	-1.4%	90,824	95,214	-4.6%	117,821	122,615	-3.9%
Mid-Atlantic	7,804	7,787	0.2%	335,254	344,559	-2.7%	431,091	440,056	-2.0%
Central Industrial	12,231	11,971	2.2%	517,354	535,751	-3.4%	666,184	684,338	-2.7%
West Central	6,124	5,873	4.3%	256,896	263,863	-2.6%	330,928	337,359	-1.9%
Southeast	22,574	21,826	3.4%	811,076	826,119	-1.8%	1,036,860	1,051,130	-1.4%
South Central	16,610	15,391	7.9%	610,207	606,732	0.6%	766,418	761,669	0.6%
Rocky Mountain	5,219	5,399	-3.3%	218,826	219,011	-0.1%	281,011	280,856	0.1%
Pacific Northwest	2,721	2,661	2.3%	119,465	118,517	0.8%	156,891	157,335	-0.3%
Pacific Southwest	4,796	5,417	-11.5%	209,287	217,654	-3.8%	268,286	279,211	-3.9%
Total United States ^{1/}	<u>80,103</u>	<u>78,378</u>	2.2%	<u>3,169,189</u>	<u>3,227,420</u>	-1.8%	4,055,490	4,114,569	-1.4%
Coal Regions Only ^{2/}	70,562	68,247	3.4%	2,749,613	2,796,035	-1.7%	3,512,492	3,555,408	-1.2%

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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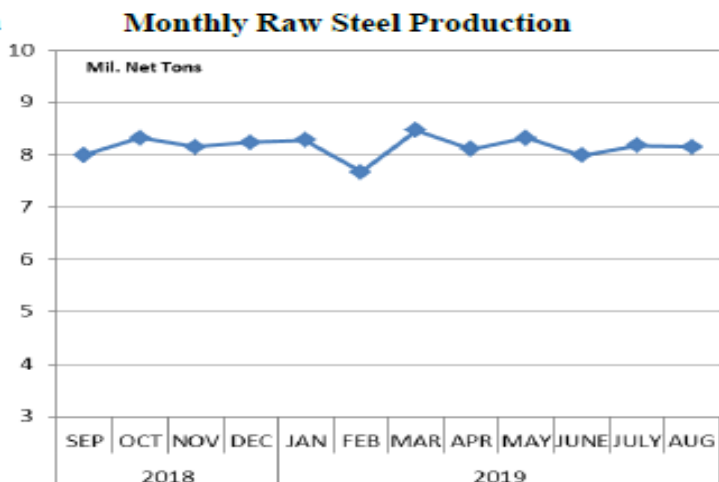
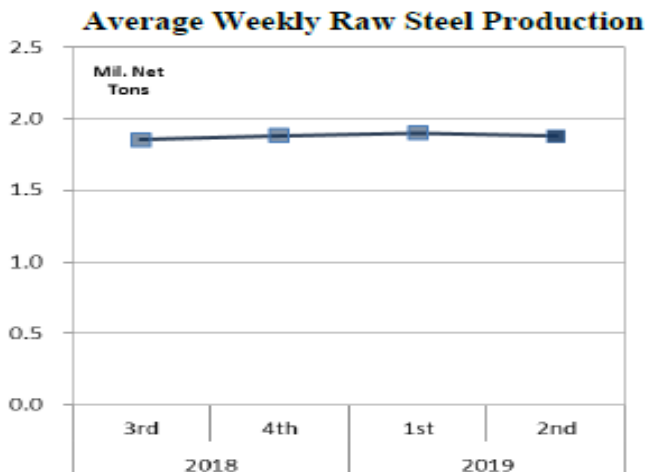
October 7, 2019

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 5</u>	<u>Sep 28</u>	
<u>Week Ending</u>				North East	211	205
				Great Lakes	659	666
October 5, 2019	1,804	-1.2	78.0	Midwest	196	201
October 5, 2018	1,877	-3.9	80.1	Southern	663	683
September 28, 2019	1,825	0.9	78.4	Western	<u>75</u>	<u>70</u>
				Total	1,804	1,825
<u>Year-to-Date +</u>						
October 5, 2019	74,257	3.0	80.4			
October 5, 2018	72,063	-	77.5			

*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 2019 is approximately 30.4 million net tons vs. 30.8 million net tons for the same period last year, and 30.6 million tons for the second quarter of 2019.



*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, 2019 – Ended October 5, 2019

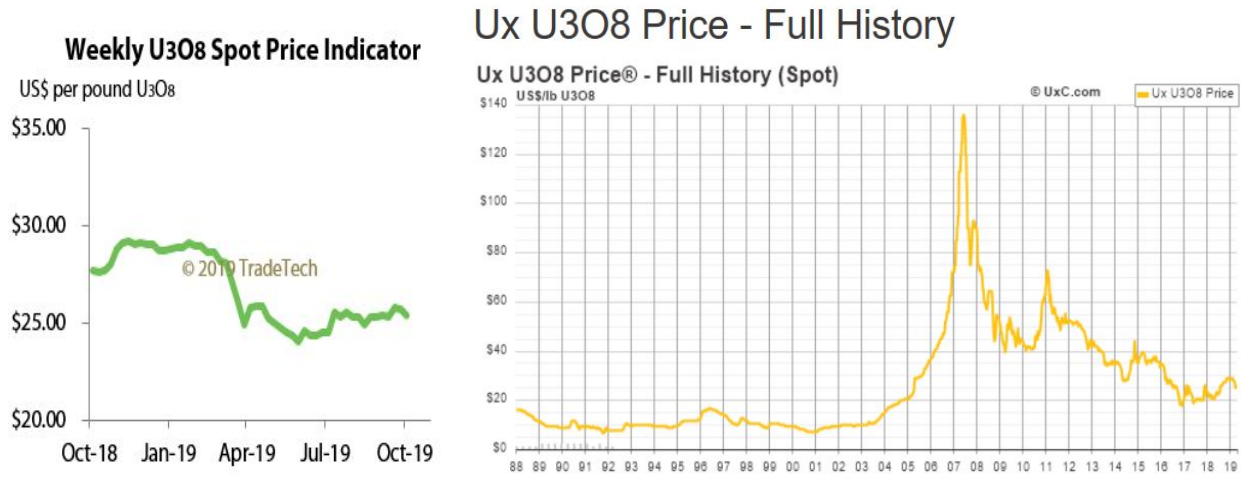
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	247,028	-8.5%	10,111,274	252,782	-3.9%
Chemicals	32,610	4.0%	1,290,834	32,271	-0.1%
Coal	76,970	-13.6%	3,136,641	78,416	-7.0%
Farm Products excl. Grain, and Food	16,094	-4.6%	621,649	15,541	-4.1%
Forest Products	9,734	-4.4%	395,360	9,884	-4.2%
Grain	19,698	-13.2%	863,608	21,590	-6.2%
Metallic Ores and Metals	18,898	-14.8%	879,902	21,998	-5.8%
Motor Vehicles and Parts	15,752	-10.8%	646,430	16,161	-2.3%
Nonmetallic Minerals	34,975	-6.9%	1,388,261	34,707	-4.6%
Petroleum and Petroleum Products	12,592	0.5%	505,692	12,642	16.1%
Other	9,705	-0.6%	382,897	9,572	-0.5%
Total Intermodal Units	268,033	-5.8%	10,657,959	266,449	-4.1%
Total Traffic	515,061	-7.1%	20,769,233	519,231	-4.0%

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.

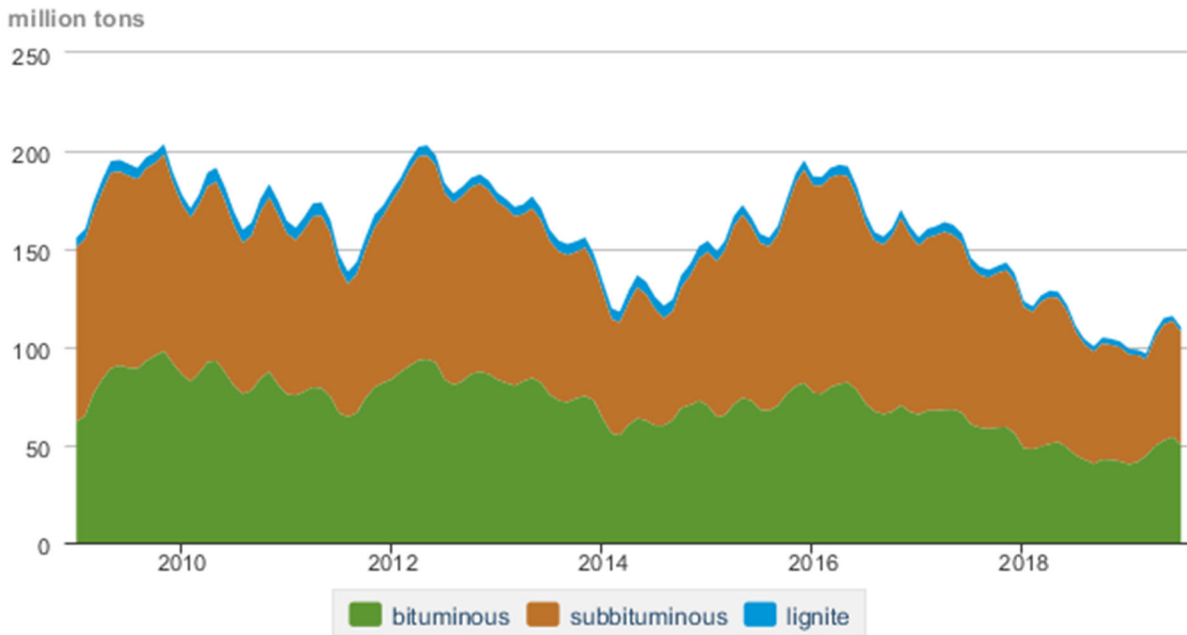
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

Trade Tech's and UX's Uranium Price Indicators



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

Coal stocks by type, January 2009 - July 2019



eia Source: U.S. Energy Information Administration

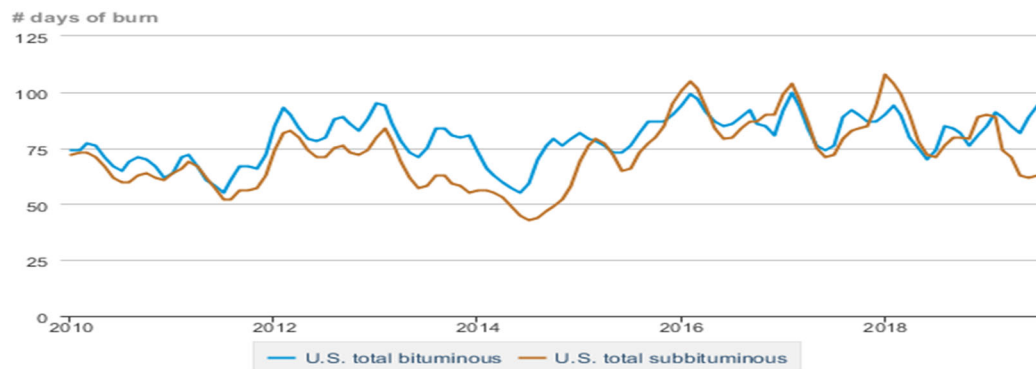
Source: Energy Information Administration

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	09/06/19	09/13/19	09/20/19	09/27/19	10/04/19	change
Central Appalachia <i>12,500 Btu, 1.2 SO₂</i>	\$62.15	\$62.80	\$62.80	\$63.60	\$65.55	\$1.95
Northern Appalachia <i>13,000 Btu, < 3.0 SO₂</i>	\$51.35	\$52.90	\$52.90	\$54.55	\$56.25	\$1.70
Illinois Basin <i>11,800 Btu, 5.0 SO₂</i>	\$39.10	\$39.00	\$39.00	\$39.00	\$39.00	\$0.00
Powder River Basin <i>8,800 Btu, 0.8 SO₂</i>	\$12.25	\$12.20	\$12.20	\$12.15	\$12.10	\$-0.05
Uinta Basin <i>11,700 Btu, 0.8 SO₂</i>	\$34.70	\$34.55	\$34.55	\$34.40	\$34.25	\$-0.15

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

Days of burn by non-lignite coal rank, January 2009 - July 2019



 Source: U.S. Energy Information Administration

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

Region	Temperature – heating & cooling degree days (week ending Sep 26)					
	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	15	-32	-23	12	11	8
Middle Atlantic	7	-30	-8	18	11	7
E N Central	9	-31	-15	33	26	8
W N Central	15	-27	-27	34	22	16
South Atlantic	1	-12	0	70	19	-12
E S Central	1	-13	1	70	33	-11
W S Central	0	-4	-2	114	47	32
Mountain	29	-17	-3	26	-5	-15
Pacific	6	-9	-2	31	7	0
United States	8	-20	-9	47	19	4

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	2019 Year to Date - 1st Quarter	2018 Year to Date - 1st Quarter	Percent Change
Aluminum, secondary (000 Mt.)	209.0	209.0	0%
Cement (Mil. Mt.)	17.0	16.8	1%
Copper (000 Mt.)	299.0	287.0	4%
Gold (Mt.)	53.2	51.7	3%
Gypsum (Mil. Mt.)	4.2	3.8	11%
Iron Ore (Mil. Mt.)	10.8	11.6	-7%
Lead (000 Mt.)	W	W	N/A
Molybdenum (000 Mt.)	10.5	10.7	-2%
Phosphate rock (Mil. Mt.)	5.3	6.5	-18%
Sand & gravel, construction (Mil. Mt.)	168.0	163.0	3%
Silver (Mt.)	237.0	212.0	12%
Soda ash (Mil. Mt.)	2.9	3.0	-3%
Stone, crushed (Mil. Mt.)	281.0	250.0	12%
Zinc (000 Mt.)	166.0	174.0	-5%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2019 data are preliminary estimates. W - withheld, N/A - not available

Natural gas spot prices (Henry Hub)

dollars per million British thermal units



 Source: Natural Gas Intelligence

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

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 2019		July 2018			June 2019		
		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	3,762	181	2,921	81	28.8%	4,129	196	-8.9%
	Subbituminous	163	206	172	197	-5.2%	163	227	0.0%
South	Bituminous	22,398	95	19,630	67	14.1%	23,997	88	-6.7%
	Subbituminous	4,194	42	5,481	52	-23.5%	4,739	45	-11.5%
Midwest	Bituminous	10,054	79	10,225	76	-1.7%	11,195	81	-10.2%
	Subbituminous	21,355	76	28,934	81	-26.2%	22,647	73	-5.7%
West	Bituminous	3,875	79	5,024	97	-22.9%	3,776	71	2.6%
	Subbituminous	20,283	59	22,585	66	-10.2%	19,618	58	3.4%
U.S. Total	Bituminous	40,089	94	37,801	74	6.1%	43,097	89	-7.0%
	Subbituminous	45,996	63	57,172	71	-19.5%	47,167	62	-2.5%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

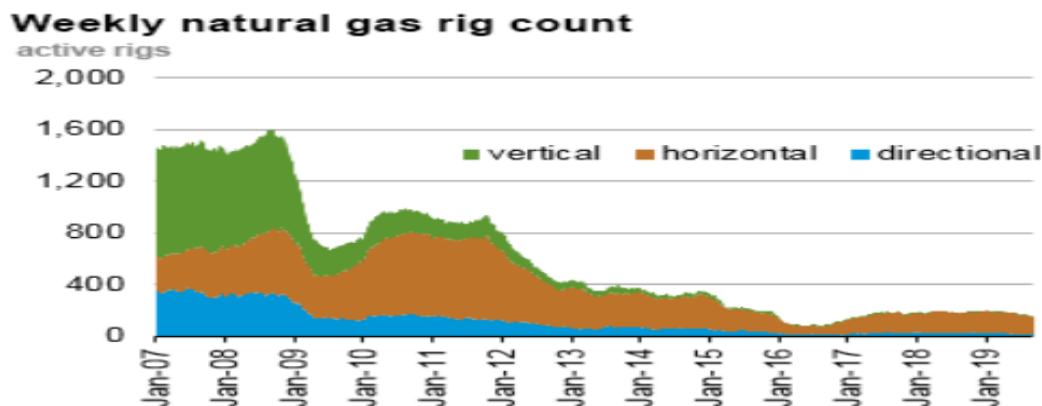
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2019-09-27	2019-09-20	change
East	826	794	32
Midwest	973	934	39
Mountain	199	194	5
Pacific	291	286	5
South Central	1,029	998	31
Total	3,317	3,205	112

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 Inc.

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 2019	October 2019	change	September 2019	October 2019	change
Anadarko	460	467	7	2,929	2,940	11
Appalachia	149	151	2	18,216	18,245	29
Bakken	1,455	1,487	32	2,154	2,212	58
Eagle Ford	1,363	1,369	6	4,880	4,894	14
Haynesville	26	26	-	10,109	10,120	11
Niobrara	1,234	1,237	3	4,293	4,306	13
Permian	761	772	11	1,416	1,440	24
Rig-weighted average	762	776	14	4,163	4,115	(48)

Source: Energy Information Administration