

# National Mining Association

## Weekly Statistical Summary

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October 4, 2019 Edition  
(Data for Week Ending September 28, 2019)

Prepared by  
National Mining Association



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# NMA Weekly Statistical Summary

Vol. 57, No. 39  
Dated 10/04/19

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	09/28/19	09/29/18	% Chng	09/28/19	09/29/18	% Chng
<b>EIA Coal Production (000 Tons):</b>						
Week Ended/Year to Date	13,576	15,145	-10.4%	534,082	559,528	-4.5%
52 Weeks Ended	728,752	755,430	-3.5%			
AAR Coal Rail Cars Loaded:	79,066	89,445	-11.6%	3,040,017	3,264,650	-6.9%
Coal Production Month Ended - Aug	<b>August 19/18</b>		<b>% Chng</b>	<b>Jan - Aug 19/18</b>		<b>% Chng</b>
	62,838	69,325	-9.4%	474,409	500,866	-5.3%
<b>DOC Coal Trade (000 Tons)</b>						
<b>Exports:</b>	<b>July 19/18</b>		<b>% Chng</b>	<b>Jan - July 19/18</b>		<b>% Chng</b>
Metallurgical	3,656	4,763	-23.2%	32,661	36,583	-10.7%
Steam Bit. *	2,761	4,716	-41.5%	24,144	30,882	-21.8%
Lignite	8	8	0.0%	55	52	5.8%
Anthracite	70	51	37.3%	191	141	35.5%
<b>Total</b>	6,495	9,538	-31.9%	57,051	67,658	-15.7%
<b>Imports:</b>	511	692	-26.2%	3,804	3,605	5.5%
	<b>Week Ended</b>			<b>Cumulative Week 1 to</b>		
	<b>09/28/19</b>	<b>09/29/18</b>	<b>% Chng</b>	<b>09/28/19</b>	<b>09/29/18</b>	<b>% Chng</b>
<b>EI Electric Total Output (Mil. Kwh)</b>	79,349	75,251	5.4%	3,089,084	3,149,043	-1.9%
<b>EI Coal Region Output (Mil. Kwh)</b>	68,919	64,963	6.1%	2,679,051	2,727,788	-1.8%
<b>AISI Raw Steel Output (000 Tons)</b>	1,825	1,866	-2.2%	72,593	70,187	3.4%

## 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)	
	09/27/19	09/20/19	% Chng	Wed.	09/25/19
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$63.60	\$62.80	1.3%	Henry Hub	2.51
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	54.55	52.90	3.1%	New York	1.62
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	39.00	39.00	0.0%	Chicago	2.01
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	12.15	12.20	-0.4%	Cal.Comp.Avg.	2.79
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	34.40	34.55	-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



**NMA**  
THE AMERICAN RESOURCE

National Mining Association Web Site: [http:// www.nma.org](http://www.nma.org)

<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>		
	9/28/2019 (week 39)	9/21/2019 (week 38)	9/29/2018 (week 39)	9/28/2019	9/28/2018	% Change	9/28/2019	9/29/2018	% Change
Alabama	276	276	284	11,354	11,047	2.8	15,054	14,191	6.1
Alaska	17	16	15	707	607	16.5	1,000	872	14.7
Arizona	119	120	134	4,832	4,905	-1.5	6,460	6,720	-3.9
Colorado	241	241	282	9,594	10,612	-9.6	12,971	14,393	-9.9
Illinois	905	903	964	36,706	36,909	-0.5	49,154	48,492	1.4
Indiana	650	641	655	25,698	25,352	1.4	34,859	33,104	5.3
<b>Kentucky Total</b>	<b>696</b>	<b>690</b>	<b>755</b>	<b>28,498</b>	<b>29,714</b>	<b>-4.1</b>	<b>38,426</b>	<b>39,787</b>	<b>-3.4</b>
Eastern (KY)	276	273	322	11,250	12,887	-12.7	15,402	17,590	-12.4
Western (KY)	420	417	433	17,248	16,827	2.5	23,024	22,197	3.7
Louisiana	27	28	40	1,024	1,181	-13.2	1,322	1,675	-21.1
Maryland	22	21	22	1,014	941	7.7	1,368	1,348	1.5
Mississippi	58	59	67	2,199	2,255	-2.5	2,875	2,845	1.1
Missouri	4	4	5	156	192	-18.7	222	253	-12.3
Montana	681	673	744	24,346	27,518	-11.5	35,341	37,354	-5.4
New Mexico	264	295	237	11,218	6,749	66.2	15,230	9,545	59.6
North Dakota	517	511	616	20,013	22,184	-9.8	27,392	29,771	-8.0
Ohio	164	167	187	6,374	6,489	-1.8	8,853	8,954	-1.1
Oklahoma	12	12	19	283	618	-54.3	378	766	-50.7
<b>Pennsylvania Total</b>	<b>912</b>	<b>891</b>	<b>907</b>	<b>37,780</b>	<b>37,070</b>	<b>1.9</b>	<b>50,560</b>	<b>49,365</b>	<b>2.4</b>
Anthracite (PA)	40	40	36	1,685	1,375	22.6	2,201	1,867	17.9
Bituminous (PA)	873	850	871	36,096	35,695	1.1	48,359	47,498	1.8
Tennessee	5	5	5	229	175	30.6	285	246	15.9
Texas	386	390	517	16,390	19,064	-14.0	22,082	29,010	-23.9
Utah	252	254	271	11,251	10,119	11.2	14,716	14,280	3.1
Virginia	230	228	251	9,256	9,693	-4.5	12,542	12,931	-3.0
<b>West Virginia Total</b>	<b>1,717</b>	<b>1,685</b>	<b>1,834</b>	<b>71,207</b>	<b>71,673</b>	<b>-0.6</b>	<b>94,806</b>	<b>96,187</b>	<b>-1.4</b>
Northern (WV)	858	847	880	35,889	33,989	5.6	47,901	46,478	3.1
Southern (WV)	859	838	954	35,318	37,684	-6.3	46,905	49,708	-5.6
Wyoming	5,421	5,434	6,336	203,953	224,462	-9.1	282,855	303,338	-6.8
<b>Appalachian Total</b>	<b>3,602</b>	<b>3,547</b>	<b>3,810</b>	<b>148,464</b>	<b>149,976</b>	<b>-1.0</b>	<b>198,870</b>	<b>200,812</b>	<b>-1.0</b>
<b>Interior Total</b>	<b>2,462</b>	<b>2,456</b>	<b>2,700</b>	<b>99,704</b>	<b>102,397</b>	<b>-2.6</b>	<b>133,917</b>	<b>138,344</b>	<b>-3.2</b>
<b>Western Total</b>	<b>7,513</b>	<b>7,544</b>	<b>8,635</b>	<b>285,913</b>	<b>307,155</b>	<b>-6.9</b>	<b>395,965</b>	<b>416,274</b>	<b>-4.9</b>
<b>East of Mississippi River</b>	<b>5,634</b>	<b>5,568</b>	<b>5,930</b>	<b>230,315</b>	<b>231,318</b>	<b>-0.4</b>	<b>308,782</b>	<b>307,451</b>	<b>0.4</b>
<b>West of Mississippi River</b>	<b>7,942</b>	<b>7,979</b>	<b>9,215</b>	<b>303,767</b>	<b>328,210</b>	<b>-7.4</b>	<b>419,969</b>	<b>447,979</b>	<b>-6.3</b>
Bituminous and Lignite	13,537	13,507	15,109	532,397	558,153	-4.6	726,550	753,563	-3.6
Anthracite	40	40	36	1,685	1,375	22.6	2,201	1,867	17.9
<b>U.S. Total</b>	<b>13,576</b>	<b>13,547</b>	<b>15,145</b>	<b>534,082</b>	<b>559,528</b>	<b>-4.5</b>	<b>728,752</b>	<b>755,430</b>	<b>-3.5</b>
Railroad Cars Loaded	79,066	78,881	89,445	3,040,017	3,264,650	-6.9	4,180,282	4,389,112	-4.8

Source: Energy Information Administration



# Weekly Electric Output

Volume 87 No. 39

**OUTPUT FOR WEEK ENDED - Sep 28, 2019**

**Oct 02, 2019**

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, **Sep 28, 2019** was **79,349** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **198** on the weekly electric output index.

**WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION**

(48 CONTIGUOUS STATES)

	Week Ended September 28		52 Weeks Ended September 28	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,156	2.9	117,851	-3.9
Mid-Atlantic	8,124	7.2	431,073	-2.0
Central Industrial	11,938	5.7	665,924	-2.7
West Central	5,988	4.4	330,677	-2.0
Southeast	20,510	0.5	1,036,112	-1.2
South Central	16,892	18.8	765,199	0.6
Rocky Mountain	5,467	-4.5	281,191	0.2
Pacific Northwest	2,532	-2.0	156,832	-0.3
Pacific Southwest	5,742	2.4	268,907	-3.6
Total United States	79,349	5.4	4,053,765	-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 07	83,846	Sep 08	86,716	-3.3	Sep 07	4,047,929	-1.5
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
<b>Sep 28</b>	<b>3,089,084</b>	<b>Sep 29</b>	<b>3,149,043</b>	<b>-1.9</b>	<b>YEAR TO DATE, FIRST 39 WEEKS</b>		

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

**SEASONALLY ADJUSTED 1982 = 100**

Week Ended	2019	Week Ended	2018	Week Ended	2017
Sep 07	183	Sep 08	173	Sep 09	160
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

\* 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		
	28-Sep 2019 GWh Output	29-Sep 2018 GWh Output	% Increase Over Corresponding Week of 2018	28-Sep 2019 GWh Output	29-Sep 2018 GWh Output	% Increase Over Corresponding Week of 2018	28-Sep 2019 GWh Output	29-Sep 2018 GWh Output	% Increase Over Corresponding Week of 2018
<b>New England</b>	2,156	2,096	2.9%	<b>88,800</b>	<b>93,161</b>	<b>-4.7%</b>	117,851	122,662	-3.9%
<b>Mid-Atlantic</b>	8,124	7,581	7.2%	<b>327,450</b>	<b>336,772</b>	<b>-2.8%</b>	431,073	439,820	-2.0%
<b>Central Industrial</b>	11,938	11,299	5.7%	<b>505,123</b>	<b>523,780</b>	<b>-3.6%</b>	665,924	684,071	-2.7%
<b>West Central</b>	5,988	5,735	4.4%	<b>250,772</b>	<b>257,990</b>	<b>-2.8%</b>	330,677	337,517	-2.0%
<b>Southeast</b>	20,510	20,402	0.5%	<b>788,502</b>	<b>804,293</b>	<b>-2.0%</b>	1,036,112	1,048,550	-1.2%
<b>South Central</b>	16,892	14,223	18.8%	<b>593,597</b>	<b>591,341</b>	<b>0.4%</b>	765,199	760,807	0.6%
<b>Rocky Mountain</b>	5,467	5,723	-4.5%	<b>213,607</b>	<b>213,612</b>	<b>0.0%</b>	281,191	280,687	0.2%
<b>Pacific Northwest</b>	2,532	2,583	-2.0%	<b>116,744</b>	<b>115,856</b>	<b>0.8%</b>	156,832	157,309	-0.3%
<b>Pacific Southwest</b>	5,742	5,609	2.4%	<b>204,491</b>	<b>212,237</b>	<b>-3.6%</b>	268,907	279,060	-3.6%
<b>Total United States</b> <sup>1/</sup>	79,349	75,251	5.4%	<b>3,089,086</b>	<b>3,149,042</b>	<b>-1.9%</b>	4,053,766	4,110,483	-1.4%
<b>Coal Regions Only</b> <sup>2/</sup>	68,919	64,963	6.1%	<b>2,679,051</b>	<b>2,727,788</b>	<b>-1.8%</b>	3,510,176	3,551,452	-1.2%

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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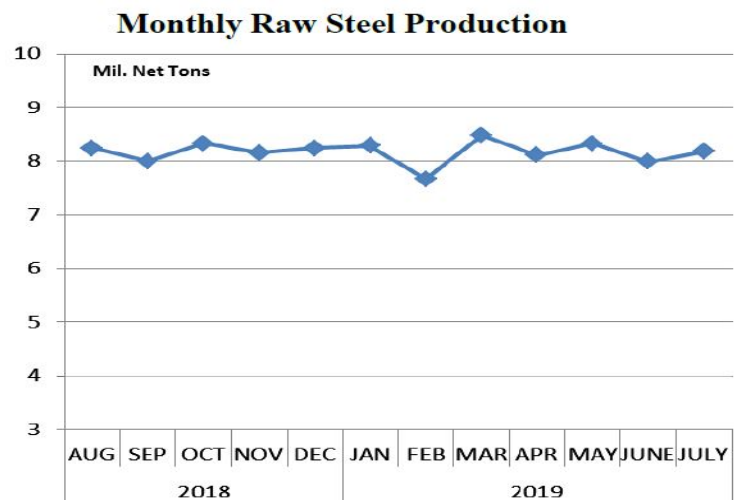
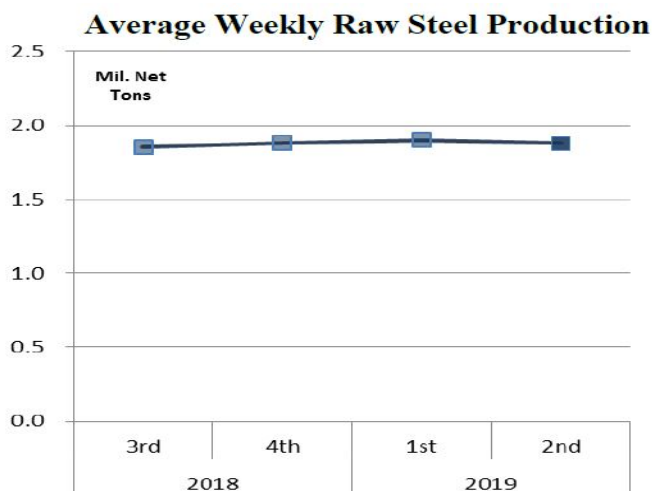
September 30, 2019

**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

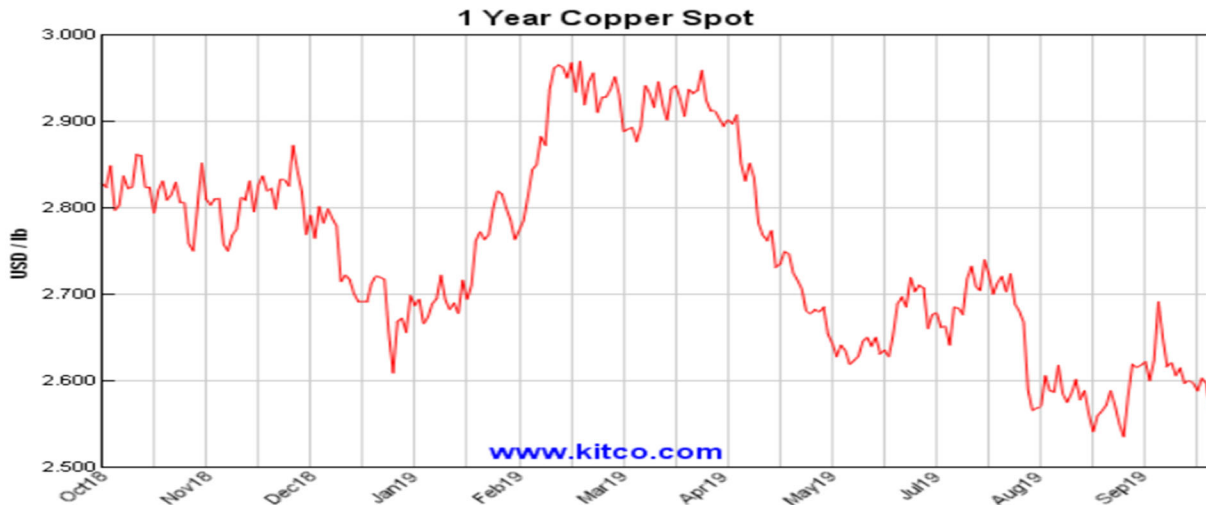
<u>Period</u>	<u>Thousand Net Tons</u>	<u>Percent Change from Previous Period</u>	<u>Percent Capability Utilization**</u>	<u>Production by District</u>		
				<u>Week Ending</u>		
				<u>Sep 28</u>	<u>Sep 21</u>	
<b><u>Week Ending</u></b>				North East	205	197
				Great Lakes	666	703
September 28, 2019	1,825	0.9	78.4	Midwest	201	187
September 28, 2018	1,866	-2.2	79.6	Southern	683	649
September 21, 2019	1,809	-0.1	77.7	Western	<u>70</u>	<u>73</u>
				Total	1,825	1,809
<b><u>Year-to-Date +</u></b>						
September 28, 2019	72,593	3.4	80.6			
September 28, 2018	70,187	-	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 third quarter 2019 is approximately 30.6 million net tons vs. 30.8 million net tons for the same period last year, and 30.3 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](http://www.kitco.com/connecting.html)



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

**U.S. Rail Traffic<sup>1</sup>**  
**Week 39, 2019 – Ended September 28, 2019**

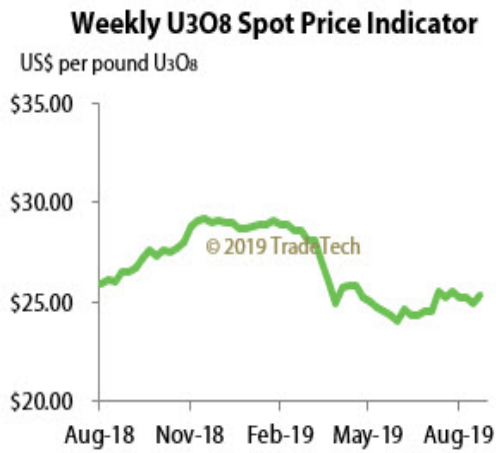
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk <sup>2</sup>	vs 2018
<b>Total Carloads</b>	<b>250,450</b>	<b>-7.9%</b>	<b>9,864,246</b>	<b>252,929</b>	<b>-3.8%</b>
Chemicals	33,014	-0.1%	1,258,224	32,262	-0.2%
Coal	79,066	-11.5%	3,059,671	78,453	-6.9%
Farm Products excl. Grain, and Food	15,206	-9.7%	605,555	15,527	-4.1%
Forest Products	10,076	-5.9%	385,626	9,888	-4.2%
Grain	17,937	-17.8%	843,910	21,639	-6.0%
Metallic Ores and Metals	21,232	-17.9%	861,004	22,077	-5.6%
Motor Vehicles and Parts	15,919	-4.4%	630,678	16,171	-2.1%
Nonmetallic Minerals	35,328	-0.2%	1,353,286	34,700	-4.5%
Petroleum and Petroleum Products	12,245	1.0%	493,100	12,644	16.6%
Other	10,427	1.4%	373,192	9,569	-0.5%
<b>Total Intermodal Units</b>	<b>278,886</b>	<b>-6.9%</b>	<b>10,389,926</b>	<b>266,408</b>	<b>-4.1%</b>
<b>Total Traffic</b>	<b>529,336</b>	<b>-7.4%</b>	<b>20,254,172</b>	<b>519,338</b>	<b>-3.9%</b>

<sup>1</sup> Excludes U.S. operations of Canadian Pacific, CN and GMXT.

<sup>2</sup> Average per week figures may not sum to totals as a result of independent rounding.

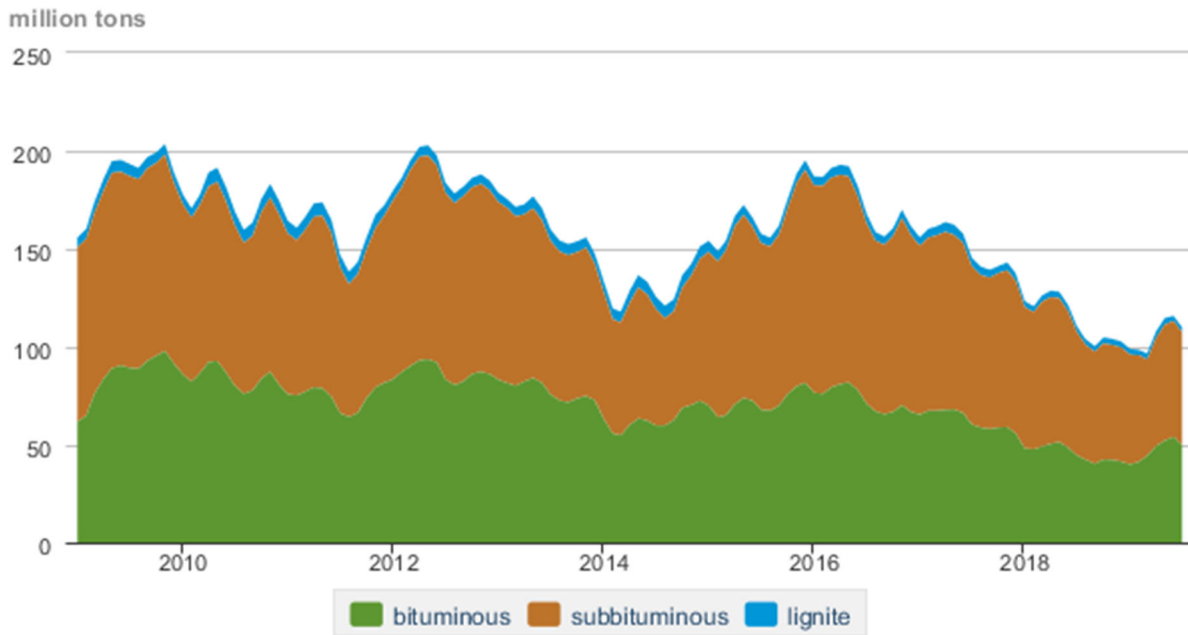
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

### Trade Tech's and UX's Uranium Price Indicators



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

### Coal stocks by type, January 2009 - July 2019



 Source: U.S. Energy Information Administration

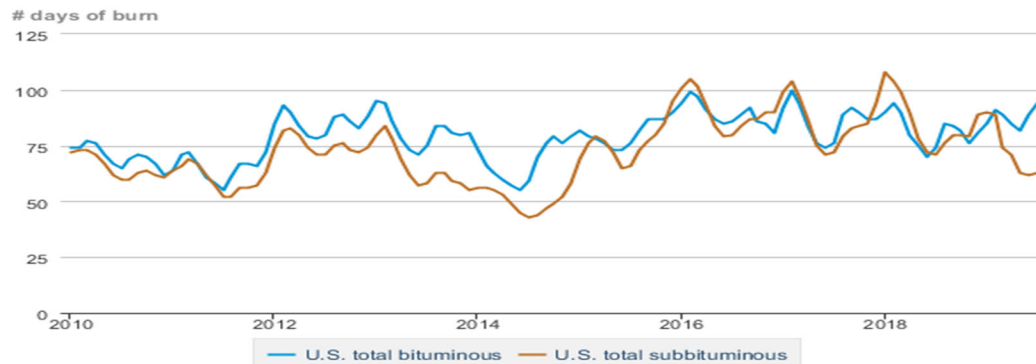
Source: Energy Information Administration

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

	Week ending					Week ago
	08/30/19	09/06/19	09/13/19	09/20/19	09/27/19	change
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$62.15	\$62.15	\$62.80	\$62.80	\$63.60	\$0.80
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$51.35	\$51.35	\$52.90	\$52.90	\$54.55	\$1.65
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$39.10	\$39.10	\$39.00	\$39.00	\$39.00	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$12.25	\$12.25	\$12.20	\$12.20	\$12.15	-\$0.05
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$34.70	\$34.70	\$34.55	\$34.55	\$34.40	-\$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 19)					
	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	44	14	42	2	-1	-30
Middle Atlantic	15	-7	15	11	-1	-36
E N Central	3	-23	2	37	24	-17
W N Central	6	-25	1	61	43	-4
South Atlantic	1	-5	1	85	25	-12
E S Central	0	-6	0	102	54	3
W S Central	0	-2	0	117	37	9
Mountain	12	-24	5	48	10	-11
Pacific	6	-5	-2	33	3	12
United States	7	-12	4	55	20	-9

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



eia 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*

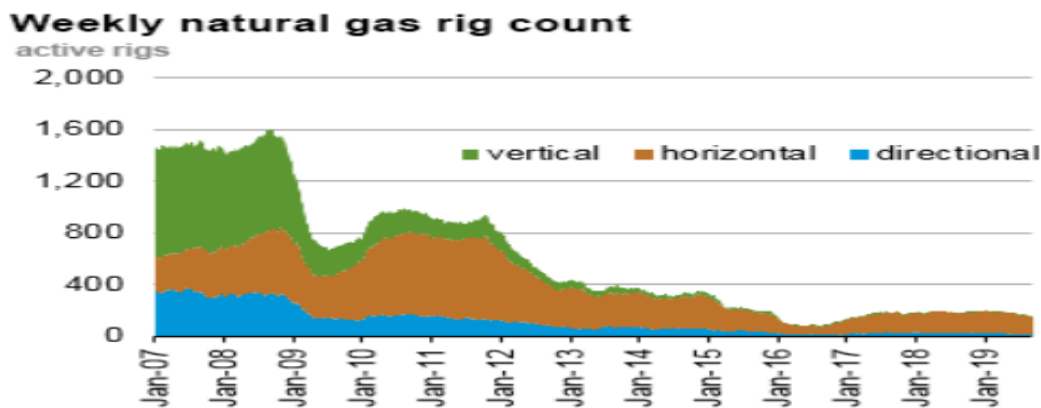
### EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2019-09-20	2019-09-13	change
East	794	763	31
Midwest	934	898	36
Mountain	194	188	6
Pacific	286	279	7
South Central	998	974	24
<b>Total</b>	<b>3,205</b>	<b>3,103</b>	<b>102</b>

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

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

### EIA Natural Gas Rig Count



eia 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