

# National Mining Association

## Weekly Statistical Summary

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November 9, 2018 Edition  
(Data for Week Ending November 3, 2018)

Prepared by  
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# NMA Weekly Statistical Summary

Vol. 56, No. 44  
Dated 11/09/18

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	11/03/18	11/04/17	% Chng	11/03/18	11/04/17	% Chng
<b>EIA Coal Production (000 Tons):</b>						
Week Ended/Year to Date	14,961	15,159	-1.3%	636,011	653,866	-2.7%
52 Weeks Ended	754,784	790,623	-4.5%			
AAR Coal Rail Cars Loaded:	88,399	86,843	1.8%	3,713,833	3,735,997	-0.6%
Coal Production Month Ended - Oct.	<b>Oct 18/17</b>		<b>% Chng</b>	<b>Jan - Oct 18/17</b>		<b>% Chng</b>
	65,354	66,368	-1.5%	629,578	647,044	-2.7%
<b>DOC Coal Trade (000 Tons)</b>						
<b>Exports:</b>	<b>Sep 18/17</b>		<b>% Chng</b>	<b>Jan - Sep 18/17</b>		<b>% Chng</b>
Metallurgical	4,085	5,435	-24.8%	46,341	40,466	14.5%
Steam *	5,383	3,393	58.7%	40,628	28,028	45.0%
Lignite	7	6	16.7%	65	59	10.2%
Anthracite	11	65	-83.1%	167	236	-29.2%
<b>Total</b>	9,486	8,899	6.6%	87,201	68,789	26.8%
<b>Imports:</b>	263	513	-48.7%	4,352	6,420	-32.2%
	<b>Week Ended</b>			<b>Cumulative Week 1 to</b>		
	<b>11/03/18</b>	<b>11/04/17</b>	<b>% Chng</b>	<b>11/03/18</b>	<b>11/04/17</b>	<b>% Chng</b>
<b>EI Electric Total Output (Mil. Kwh)</b>	68,752	70,053	-1.9%	3,508,372	3,386,033	3.6%
<b>EI Coal Region Output (Mil. Kwh)</b>	58,869	60,075	-2.0%	3,037,664	2,909,250	4.4%
<b>AISI Raw Steel Output (000 Tons)</b>	1,917	1,706	12.4%	79,894	75,953	5.2%

## 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)	
	11/02/18	10/26/18	% Chng	Wed.	10/31/18
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$78.95	\$78.95	0.0%	Henry Hub	3.29
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	60.85	60.85	0.0%	New York	2.75
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	37.70	37.70	0.0%	Chicago	3.11
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	12.00	12.00	0.0%	Cal.Comp.Avg.	3.26
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	40.55	40.55	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



<b>EIA Estimated Weekly U.S. Coal Production Overview</b>									
Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	11/3/2018 (week 44)	10/27/2018 (week 43)	11/4/2017 (week 44)	11/3/2018	11/3/2017	% Change	11/3/2018	11/4/2017	% Change
Alabama	295	271	243	12,300	10,926	12.6	14,203	12,715	11.7
Alaska	20	20	21	780	795	-1.9	941	941	s
Arizona	143	138	141	5,480	5,102	7.4	6,581	6,057	8.7
Arkansas	.	.	.	17	43	-60.0	17	50	-66.0
Colorado	258	251	293	11,776	12,715	-7.4	14,069	15,468	-9.0
Illinois	946	911	896	41,500	41,169	0.8	48,518	48,761	-0.5
Indiana	640	674	599	28,580	26,698	7.1	33,276	31,713	4.9
<b>Kentucky Total</b>	<b>736</b>	<b>756</b>	<b>780</b>	<b>33,503</b>	<b>35,597</b>	<b>-5.9</b>	<b>39,612</b>	<b>43,262</b>	<b>-8.4</b>
Eastern (KY)	352	354	364	15,176	15,300	-0.8	18,030	18,343	-1.7
Western (KY)	384	402	415	18,327	20,297	-9.7	21,582	24,919	-13.4
Louisiana	24	19	38	1,046	1,774	-41.1	1,345	2,323	-42.1
Maryland	26	26	32	1,172	1,557	-24.7	1,419	1,894	-25.1
Mississippi	40	43	46	2,093	2,241	-6.6	2,449	2,755	-11.1
Missouri	5	5	5	217	207	5.0	254	248	2.4
Montana	834	829	761	32,900	29,168	12.8	38,865	35,626	9.1
New Mexico	153	168	216	7,224	12,122	-40.4	8,917	14,648	-39.1
North Dakota	606	603	587	24,974	24,114	3.6	29,571	29,235	1.1
Ohio	180	183	191	7,349	7,969	-7.8	8,844	9,653	-8.4
Oklahoma	12	12	11	582	471	23.7	671	580	15.7
<b>Pennsylvania Total</b>	<b>933</b>	<b>947</b>	<b>952</b>	<b>42,035</b>	<b>41,550</b>	<b>1.2</b>	<b>49,492</b>	<b>50,364</b>	<b>-1.7</b>
Anthracite (PA)	35	36	38	1,514	1,609	-5.9	1,812	1,902	-4.7
Bituminous (PA)	899	911	914	40,521	39,941	1.5	47,680	48,461	-1.6
Tennessee	4	4	6	194	387	-49.8	238	483	-50.7
Texas	632	553	772	24,085	30,232	-20.3	30,135	37,147	-18.9
Utah	309	301	323	11,921	11,756	1.4	14,448	14,284	1.1
Virginia	238	246	251	10,873	11,706	-7.1	12,836	14,053	-8.7
<b>West Virginia Total</b>	<b>1,966</b>	<b>1,932</b>	<b>1,898</b>	<b>82,151</b>	<b>77,707</b>	<b>5.7</b>	<b>97,019</b>	<b>92,231</b>	<b>5.2</b>
Northern (WV)	918	900	967	38,201	39,049	-2.2	45,780	46,961	-2.5
Southern (WV)	1,048	1,032	930	43,950	38,658	13.7	51,239	45,271	13.2
Wyoming	5,961	5,979	6,101	253,260	267,859	-5.5	301,063	326,132	-7.7
<b>Appalachian Total</b>	<b>3,994</b>	<b>3,963</b>	<b>3,935</b>	<b>171,250</b>	<b>167,103</b>	<b>2.5</b>	<b>202,080</b>	<b>199,736</b>	<b>1.2</b>
<b>Interior Total</b>	<b>2,684</b>	<b>2,619</b>	<b>2,782</b>	<b>116,447</b>	<b>123,131</b>	<b>-5.4</b>	<b>138,248</b>	<b>148,497</b>	<b>-6.9</b>
<b>Western Total</b>	<b>8,284</b>	<b>8,289</b>	<b>8,442</b>	<b>348,314</b>	<b>363,631</b>	<b>-4.2</b>	<b>414,456</b>	<b>442,390</b>	<b>-6.3</b>
<b>East of Mississippi River</b>	<b>6,004</b>	<b>5,992</b>	<b>5,891</b>	<b>261,750</b>	<b>257,509</b>	<b>1.6</b>	<b>307,905</b>	<b>307,884</b>	<b>s</b>
<b>West of Mississippi River</b>	<b>8,958</b>	<b>8,879</b>	<b>9,269</b>	<b>374,261</b>	<b>396,357</b>	<b>-5.6</b>	<b>446,879</b>	<b>482,739</b>	<b>-7.4</b>
Bituminous and Lignite	14,927	14,835	15,121	634,497	652,257	-2.7	752,971	788,721	-4.5
Anthracite	35	36	38	1,514	1,609	-5.9	1,812	1,902	-4.7
<b>U.S. Total</b>	<b>14,961</b>	<b>14,871</b>	<b>15,159</b>	<b>636,011</b>	<b>653,866</b>	<b>-2.7</b>	<b>754,784</b>	<b>790,623</b>	<b>-4.5</b>
Railroad Cars Loaded	88,399	87,975	86,843	3,713,833	3,735,997	-0.6	4,396,102	4,529,032	-2.9

Source: Energy Information Administration



# Weekly Electric Output

Volume 86 No. 44

**OUTPUT FOR WEEK ENDED - Nov 03, 2018**

**Nov 07, 2018**

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, **Nov 03, 2018** was **68,752** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **173** on the weekly electric output index.

**WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION**

(48 CONTIGUOUS STATES)

	Week Ended November 03		52 Weeks Ended November 03	
	GWh Output	% Increase Over Corresponding Week of 2017	GWh Output	% Increase Over Corresponding Period of 2017
New England	2,099	4.0	122,701	2.0
Mid-Atlantic	7,338	0.7	440,403	3.9
Central Industrial	11,468	-2.8	685,023	4.2
West Central	5,833	-4.7	337,135	3.6
Southeast	16,949	-1.7	1,050,963	4.1
South Central	12,394	-2.1	760,656	5.6
Rocky Mountain	4,887	-1.4	280,330	0.5
Pacific Northwest	2,772	-7.9	156,896	-1.7
Pacific Southwest	5,012	1.2	278,175	-1.9
Total United States	68,752	-1.9	4,112,281	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)
Oct 13	74,100	Oct 14	74,900	-1.1	Oct 13	4,113,769	3.3
Oct 20	69,464	Oct 21	69,651	-0.3	Oct 20	4,113,582	3.4
Oct 27	68,635	Oct 28	68,634	0.0	Oct 27	4,113,582	3.4
Nov 03	68,752	Nov 04	70,053	-1.9	Nov 03	4,112,281	3.3
<b>Nov 03</b>	<b>3,508,372</b>	<b>Nov 04</b>	<b>3,386,033</b>	<b>3.6</b>	<b>YEAR TO DATE, FIRST 44 WEEKS</b>		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2018	Week Ended	2017	Week Ended	2016
Oct 13	183	Oct 14	191	Oct 15	179
Oct 20	172	Oct 21	179	Oct 22	188
Oct 27	173	Oct 28	179	Oct 29	180
Nov 03	173	Nov 04	184	Nov 05	186

\* 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		
	3-Nov 2018 GWh Output	4-Nov 2017 GWh Output	% Increase Over Corresponding Week of 2017	3-Nov 2018 GWh Output	4-Nov 2017 GWh Output	% Increase Over Corresponding Week of 2017	3-Nov 2018 GWh Output	4-Nov 2017 GWh Output	% Increase Over Corresponding Week of 2017
<b>New England</b>	2,099	2,017	4.1%	<b>103,660</b>	<b>101,543</b>	<b>2.1%</b>	122,701	120,335	2.0%
<b>Mid-Atlantic</b>	7,338	7,289	0.7%	<b>374,639</b>	<b>359,211</b>	<b>4.3%</b>	440,403	423,895	3.9%
<b>Central Industrial</b>	11,468	11,803	-2.8%	<b>582,093</b>	<b>555,343</b>	<b>4.8%</b>	685,023	657,709	4.2%
<b>West Central</b>	5,833	6,123	-4.7%	<b>287,219</b>	<b>276,027</b>	<b>4.1%</b>	337,135	325,298	3.6%
<b>Southeast</b>	16,949	17,248	-1.7%	<b>897,770</b>	<b>859,855</b>	<b>4.4%</b>	1,050,963	1,009,559	4.1%
<b>South Central</b>	12,394	12,654	-2.1%	<b>657,048</b>	<b>622,033</b>	<b>5.6%</b>	760,656	720,247	5.6%
<b>Rocky Mountain</b>	4,887	4,958	-1.4%	<b>238,895</b>	<b>236,881</b>	<b>0.9%</b>	280,330	278,990	0.5%
<b>Pacific Northwest</b>	2,772	3,010	-7.9%	<b>129,349</b>	<b>131,995</b>	<b>-2.0%</b>	156,896	159,642	-1.7%
<b>Pacific Southwest</b>	<u>5,012</u>	<u>4,951</u>	1.2%	<u><b>237,698</b></u>	<u><b>243,146</b></u>	<b>-2.2%</b>	<u>278,175</u>	<u>283,583</u>	-1.9%
<b>Total United States</b> <sup>1/</sup>	<u>68,752</u>	<u>70,053</u>	-1.9%	<u><b>3,508,371</b></u>	<u><b>3,386,034</b></u>	<b>3.6%</b>	<u>4,112,282</u>	<u>3,979,258</u>	3.3%
<b>Coal Regions Only</b> <sup>2/</sup>	58,869	60,075	-2.0%	<b>3,037,664</b>	<b>2,909,350</b>	<b>4.4%</b>	3,554,510	3,415,698	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.

<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*.

AMERICAN IRON AND STEEL INSTITUTE  
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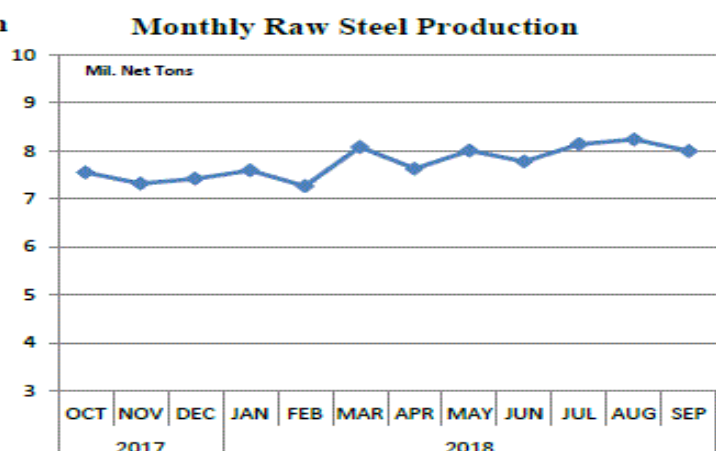
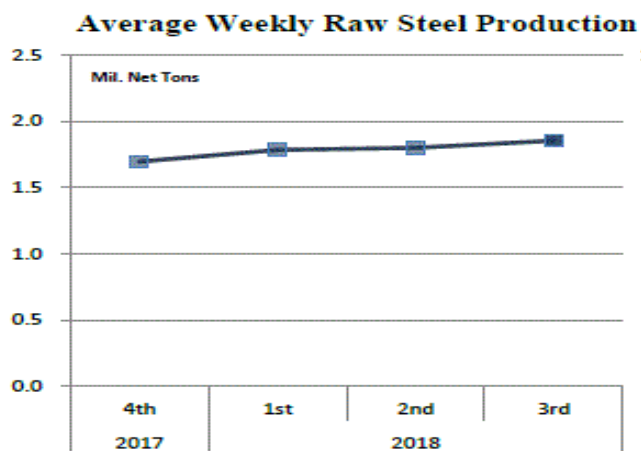
November 5, 2018

**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 Nov. 3</u>	<u>Oct. 27</u>	
<b><u>Week Ending</u></b>				North East	221	217
				Great Lakes	690	698
November 3, 2018	1,917	1.0	81.8	Midwest	212	202
November 3, 2017	1,706	12.4	73.2	Southern	709	697
October 27, 2018	1,898	1.2	81.0	Western	85	84
				<b>Total</b>	<b>1,917</b>	<b>1,898</b>
<b><u>Year-to-Date +</u></b>						
November 3, 2018	79,894	5.2	77.8			
November 3, 2017	75,953	-	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 30.8 million tons for the third quarter of 2018.



\*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 44, 2018 – Ended November 3, 2018**

	This Week		Year-To-Date		
	Cars	vs 2017	Cumulative	Avg/wk <sup>2</sup>	vs 2017
<b>Total Carloads</b>	<b>270,305</b>	<b>1.8%</b>	<b>11,586,596</b>	<b>263,332</b>	<b>1.9%</b>
Chemicals	32,209	2.2%	1,416,860	32,201	4.1%
Coal	88,399	1.6%	3,722,456	84,601	-0.7%
Farm Products excl. Grain, and Food	17,133	2.8%	715,329	16,257	2.3%
Forest Products	10,357	3.2%	453,424	10,305	2.6%
Grain	20,441	-12.4%	1,008,401	22,918	3.3%
Metallic Ores and Metals	24,191	6.5%	1,027,930	23,362	3.2%
Motor Vehicles and Parts	16,681	-4.8%	729,992	16,591	-0.7%
Nonmetallic Minerals	36,613	-2.8%	1,598,867	36,338	1.5%
Petroleum and Petroleum Products	12,668	31.1%	485,224	11,028	16.3%
Other	11,613	24.3%	428,113	9,730	0.8%
<b>Total Intermodal Units</b>	<b>289,741</b>	<b>8.9%</b>	<b>12,275,918</b>	<b>278,998</b>	<b>5.8%</b>
<b>Total Traffic</b>	<b>560,046</b>	<b>5.4%</b>	<b>23,862,514</b>	<b>542,330</b>	<b>3.8%</b>

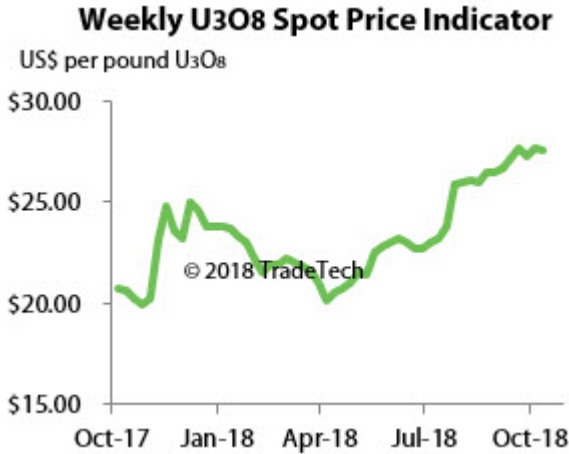
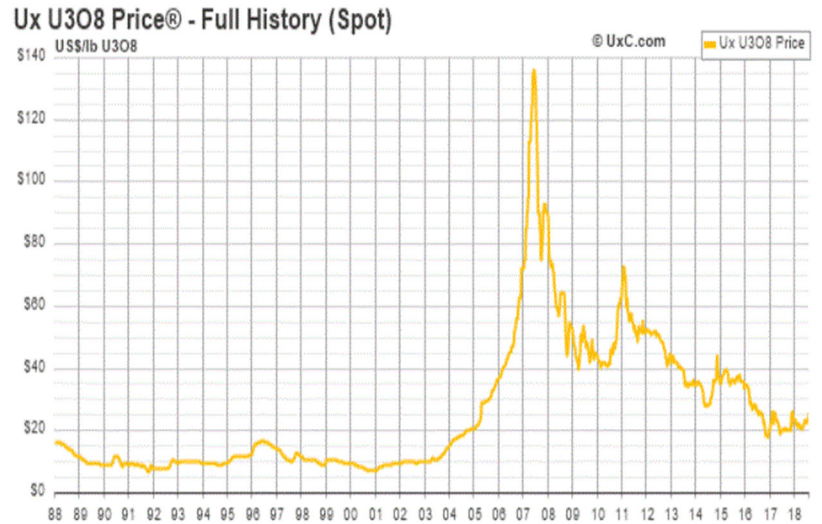
<sup>1</sup> Excludes U.S. operations of Canadian Pacific, CN and GMXT.

<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>

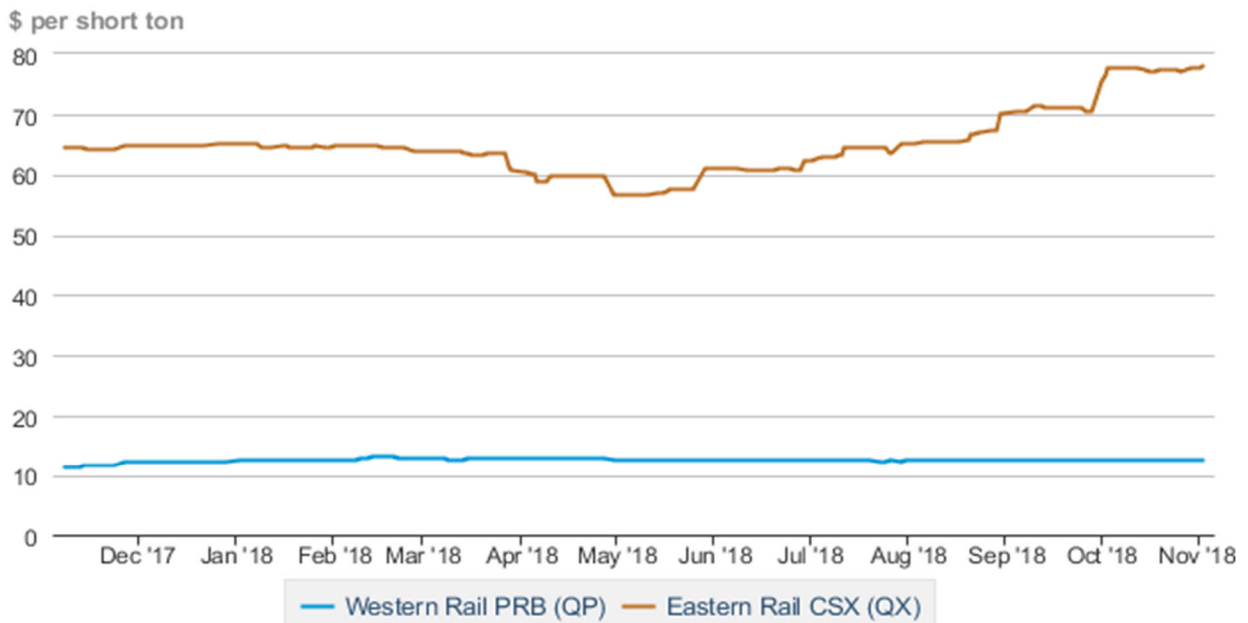
**Trade Tech's and UX's Uranium Price Indicators**

**Ux U3O8 Price - Full History**



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

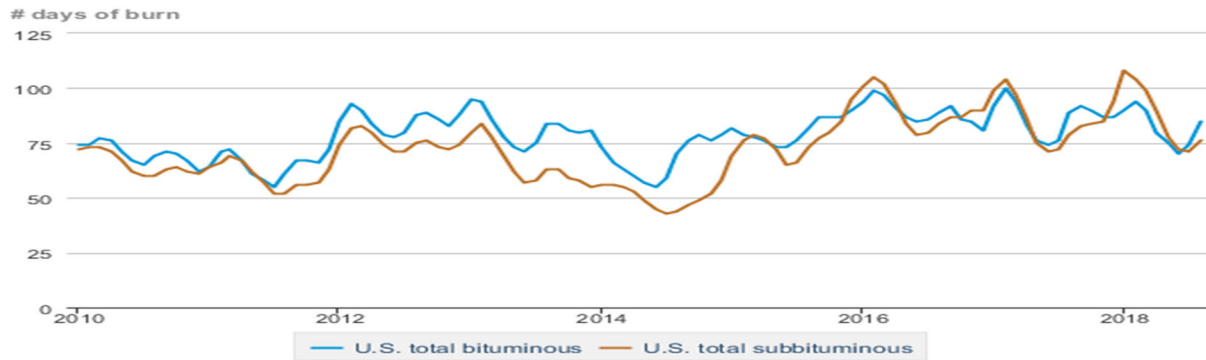
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

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

	Week ending					Week ago
	10/05/18	10/12/18	10/19/18	10/26/18	11/02/18	change
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$76.60	\$76.60	\$76.60	\$78.95	\$78.95	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$60.00	\$60.00	\$60.00	\$60.85	\$60.85	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$37.70	\$37.70	\$37.70	\$37.70	\$37.70	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$12.05	\$12.05	\$12.05	\$12.00	\$12.00	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$40.70	\$40.70	\$40.70	\$40.55	\$40.55	\$0.00

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

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



eia Source: U.S. Energy Information Administration

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

**Temperature – heating & cooling degree days (week ending Oct 25)**

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	146	31	109	0	0	0
Middle Atlantic	130	25	91	0	0	0
E N Central	148	36	82	0	-1	0
W N Central	127	15	56	0	-1	0
South Atlantic	84	23	47	25	4	-3
E S Central	82	22	35	2	-4	-2
W S Central	42	16	19	10	-12	-19
Mountain	77	-30	-2	11	4	-4
Pacific	15	-29	-12	4	0	-15
United States	95	12	48	7	-1	-6

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*.

**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	August 2018		August 2017			July 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	2,706	84	4,143	88	-34.7%	2,921	81	-7.4%
	Subbituminous	168	168	129	139	30.6%	172	197	-2.2%
South	Bituminous	18,970	83	27,973	91	-32.2%	19,630	67	-3.4%
	Subbituminous	4,739	54	5,362	59	-11.6%	5,481	52	-13.5%
Midwest	Bituminous	9,657	82	13,187	83	-26.8%	10,225	76	-5.6%
	Subbituminous	27,153	86	36,490	81	-25.6%	28,934	81	-6.2%
West	Bituminous	4,794	100	5,457	90	-12.1%	5,024	97	-4.6%
	Subbituminous	20,735	70	26,995	83	-23.2%	22,570	66	-8.1%
U.S. Total	Bituminous	36,127	85	50,760	89	-28.8%	37,801	74	-4.4%
	Subbituminous	52,796	76	68,976	79	-23.5%	57,157	71	-7.6%

Source: Energy Information Administration, *Electricity Monthly Update*

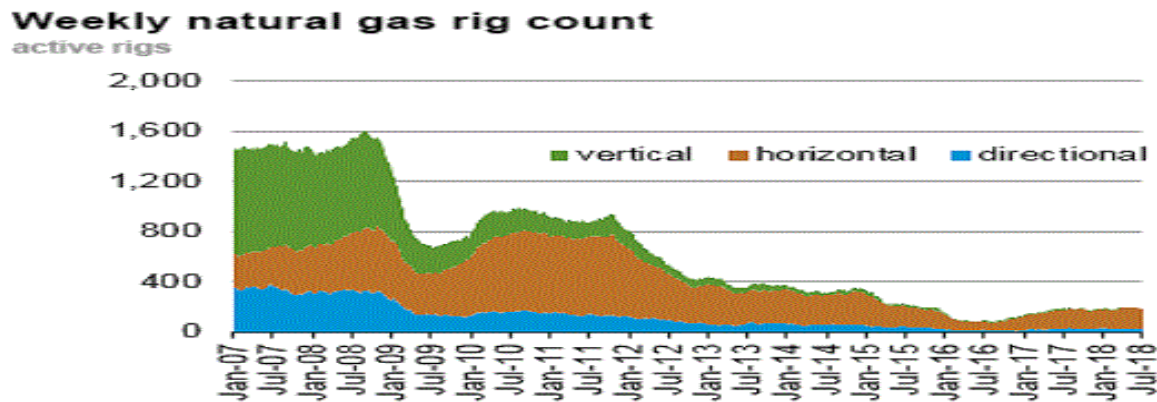
### EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2018-10-26	2018-10-19	change
East	826	825	1
Midwest	956	934	22
Mountain	180	177	3
Pacific	262	262	0
South Central	919	896	23
<b>Total</b>	<b>3,143</b>	<b>3,095</b>	<b>48</b>

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	-
<b>Total</b>	<b>643</b>	<b>668</b>	<b>25</b>	<b>3,747</b>	<b>3,791</b>	<b>44</b>

Source: Energy Information Administration, *Drilling Productivity Report*