
NATIONAL MINING ASSOCIATION

Weekly Statistical Summary

October 29, 2021 Edition
(Data for Week Ending October 23, 2021)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 59, No. 43
Dated 10/29/21

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	10/23/21	10/24/20	% Chng	10/23/21	10/23/20	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,387	9,820	16.0%	472,775	435,010	8.7%
52 Weeks Ended	571,923	552,986	3.4%			
AAR Coal Rail Cars Loaded:	65,712	57,536	14.2%	2,693,508	2,434,585	10.6%
Coal Production	September 21/20		% Chng	Jan - Sep 21/20		% Chng
Month Ended - September	51,077	45,141	13.1%	436,389	401,297	8.7%
DOC Coal Trade (000 Tons)						
Exports:	Aug 21/20		% Chng	Jan - Aug 21/20		% Chng
Metallurgical	4,260	2,915	46.1%	29,688	27,312	8.7%
Steam Bit. *	3,404	1,599	112.9%	27,116	17,150	58.1%
Lignite	6	6	0.0%	51	60	-15.0%
Anthracite	27	7	285.7%	221	153	44.4%
Total	7,697	4,527	70.0%	57,076	44,675	27.8%
Imports:	368	314	17.2%	3,538	3,272	8.1%
	Week Ended			Cumulative Week 1 to		
	10/23/21	10/24/20	% Chng	10/23/21	10/24/20	% Chng
EEl Electric Total Output (Mil. Kwh)	68,303	70,046	-2.5%	3,377,395	3,271,091	3.2%
EEl Coal Region Output (Mil. Kwh)	58,973	60,256	-2.1%	2,927,343	2,827,891	3.5%
AISI Raw Steel Output (000 Tons)	1,870	1,549	20.7%	77,019	64,029	20.3%

EIA (S&P Global) AVERAGE COAL & NATURAL GAS SPOT PRICES Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	10/22/21	10/15/21	% Chng	Wed.	10/20/21
Central App, 12,500 Btu, 1.2 SO ₂	\$75.50	\$75.50	0.0%	Henry Hub	4.79
Northern App, 13,000 Btu, < 3.0 SO ₂	64.40	64.40	0.0%	New York	4.15
Illinois Basin, 11,800, 5.0 SO ₂	36.25	36.25	0.0%	Chicago	4.83
Powder River Basin, 8,800 Btu 0.8 SO ₂	13.25	13.25	0.0%	Cal.Comp.Avg.	5.72
Uinta Basin, 11,700 Btu, 0.8 SO ₂	30.05	30.05	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; S&P Global; 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)	10/23/2021 (week 43)	10/16/2021 (week 42)	10/24/2020 (week 43)	10/23/2021	10/23/2020	% Change	10/23/2021	10/24/2020	% Change
Alabama	214	191	200	9,355	10,105	-7.4	11,375	12,241	-7.1
Alaska	25	21	20	945	816	15.8	1,147	990	15.9
Colorado	205	185	190	8,575	8,094	5.9	10,491	10,143	3.4
Illinois	781	706	581	33,184	25,832	28.5	39,045	32,375	20.6
Indiana	348	307	334	15,520	16,529	-6.1	18,891	21,544	-12.3
Kentucky Total	544	479	453	21,927	19,587	11.9	26,498	25,049	5.8
Eastern (KY)	185	161	153	7,806	6,744	15.7	9,347	8,717	7.2
Western (KY)	359	318	300	14,121	12,843	10.0	17,151	16,331	5.0
Louisiana	4	4	6	209	613	-65.9	272	846	-67.8
Maryland	23	19	19	981	956	2.6	1,177	1,207	-2.5
Mississippi	57	46	26	2,749	2,324	18.3	3,009	2,746	9.6
Missouri	2	2	3	82	131	-36.8	110	160	-31.3
Montana	525	468	495	21,890	21,362	2.5	26,885	27,312	-1.6
New Mexico	162	147	157	7,494	8,642	-13.3	9,081	11,058	-17.9
North Dakota	540	479	469	22,783	21,647	5.2	27,513	26,649	3.2
Ohio	52	47	57	2,208	3,000	-26.4	2,787	4,162	-33.0
Oklahoma	.	.	.	.	1	-100.0	.	34	.
Pennsylvania Total	949	798	714	36,679	29,022	26.4	43,890	37,949	15.7
Anthracite (PA)	40	35	41	1,723	1,956	-11.9	2,134	2,505	-14.8
Bituminous (PA)	909	763	674	34,956	27,066	29.2	41,756	35,443	17.8
Tennessee	.	.	.	.	92	-100.0	.	170	.
Texas	320	304	350	14,190	16,099	-11.9	17,728	19,923	-11.0
Utah	257	231	232	11,003	10,789	2.0	13,347	13,061	2.2
Virginia	216	189	193	8,592	7,855	9.4	10,539	9,878	6.7
West Virginia Total	1,583	1,384	1,263	65,015	54,464	19.4	77,767	69,541	11.8
Northern (WV)	1,001	863	753	38,340	29,467	30.1	45,944	37,345	23.0
Southern (WV)	583	521	510	26,675	24,997	6.7	31,823	32,196	-1.2
Wyoming	4,580	4,012	4,059	189,393	177,051	7.0	230,370	225,949	2.0
Appalachian Total	3,223	2,789	2,600	130,636	112,237	16.4	156,883	143,865	9.0
Interior Total	1,872	1,688	1,600	80,056	74,371	7.6	96,206	93,959	2.4
Western Total	6,292	5,543	5,621	262,083	248,402	5.5	318,834	315,162	1.2
East of Mississippi River	4,769	4,166	3,840	196,210	169,765	15.6	234,979	216,862	8.4
West of Mississippi River	6,619	5,853	5,980	276,565	265,245	4.3	336,944	336,124	0.2
Bituminous and Lignite	11,347	9,984	9,780	471,053	433,054	8.8	569,790	550,481	3.5
Anthracite	40	35	41	1,723	1,956	-11.9	2,134	2,505	-14.8
U.S. Total	11,387	10,019	9,820	472,775	435,010	8.7	571,923	552,986	3.4
Railroad Cars Loaded	65,712	57,772	57,536	2,693,508	2,434,585	10.6	3,276,806	3,113,509	5.2

Source: Energy Information Administration



Weekly Electric Output

Volume 89 No. 43

OUTPUT FOR WEEK ENDED - Oct 23, 2021

Oct 27, 2021

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Oct 23, 2021** was **68,303** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **175** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended October 23		52 Weeks Ended October 23	
	GWh Output	% Increase Over Corresponding Week of 2020	GWh Output	% Increase Over Corresponding Period of 2020
New England	1,904	-3.5	116,166	1.0
Mid-Atlantic	6,764	-2.0	418,363	1.2
Central Industrial	10,506	-1.6	650,430	2.3
West Central	5,707	-1.1	334,090	3.5
Southeast	16,915	-1.8	1,016,116	3.2
South Central	13,830	-2.4	776,430	2.6
Rocky Mountain	5,251	-4.6	293,265	1.9
Pacific Northwest	2,647	-2.4	158,275	2.4
Pacific Southwest	4,779	-6.4	266,978	-0.2
Total United States	68,303	-2.5	4,030,113	2.3

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2021	Week Ended	2020	% Inc. (21/20)	52 Weeks Ended	2021	% Inc. (21/20)
Oct 02	75,020	Oct 03	70,736	6.1	Oct 02	4,023,253	2.2
Oct 09	75,195	Oct 10	69,806	7.7	Oct 09	4,028,642	2.4
Oct 16	73,017	Oct 17	69,802	4.6	Oct 16	4,031,857	2.4
Oct 23	68,303	Oct 24	70,046	-2.5	Oct 23	4,030,113	2.3
Oct 23	3,377,395	Oct 24	3,271,091	3.2	YEAR TO DATE, FIRST 43 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2021	Week Ended	2020	Week Ended	2019
Oct 02	178	Oct 03	183	Oct 05	205
Oct 09	187	Oct 10	171	Oct 12	174
Oct 16	185	Oct 17	174	Oct 19	170
Oct 23	175	Oct 24	177	Oct 26	173

* Excludes Alaska and Hawaii.

+ Includes investor-owned companies, cooperatives and government-owned utilities.

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**EI WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)**

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	23-Oct 2021 GWh Output	24-Oct 2020 GWh Output	% Increase Over Corresponding Week	23-Oct 2021 GWh Output	24-Oct 2020 GWh Output	% Increase Over Corresponding Week	23-Oct 2021 GWh Output	24-Oct 2020 GWh Output	% Increase Over Corresponding Week
New England	1,904	1,973	-3.5%	96,478	94,618	2.0%	116,166	115,024	1.0%
Mid-Atlantic	6,764	6,900	-2.0%	350,851	341,164	2.8%	418,363	413,368	1.2%
Central Industrial	10,506	10,679	-1.6%	544,475	524,751	3.8%	650,430	635,692	2.3%
West Central	5,707	5,772	-1.1%	279,787	266,699	4.9%	334,090	322,680	3.5%
Southeast	16,915	17,228	-1.8%	851,279	820,080	3.8%	1,016,116	984,953	3.2%
South Central	13,830	14,171	-2.4%	656,335	636,763	3.1%	776,430	756,519	2.6%
Rocky Mountain	5,251	5,506	-4.6%	244,616	238,434	2.6%	293,265	287,808	1.9%
Pacific Northwest	2,647	2,711	-2.4%	129,297	124,825	3.6%	158,275	154,575	2.4%
Pacific Southwest	4,779	5,106	-6.4%	224,282	223,758	0.2%	266,978	267,624	-0.2%
Total United States ^{1/}	68,303	70,046	-2.5%	3,377,400	3,271,092	3.2%	4,030,113	3,938,243	2.3%
Coal Regions Only ^{2/}	58,973	60,256	-2.1%	2,927,343	2,827,891	3.5%	3,488,694	3,401,020	2.6%

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*.

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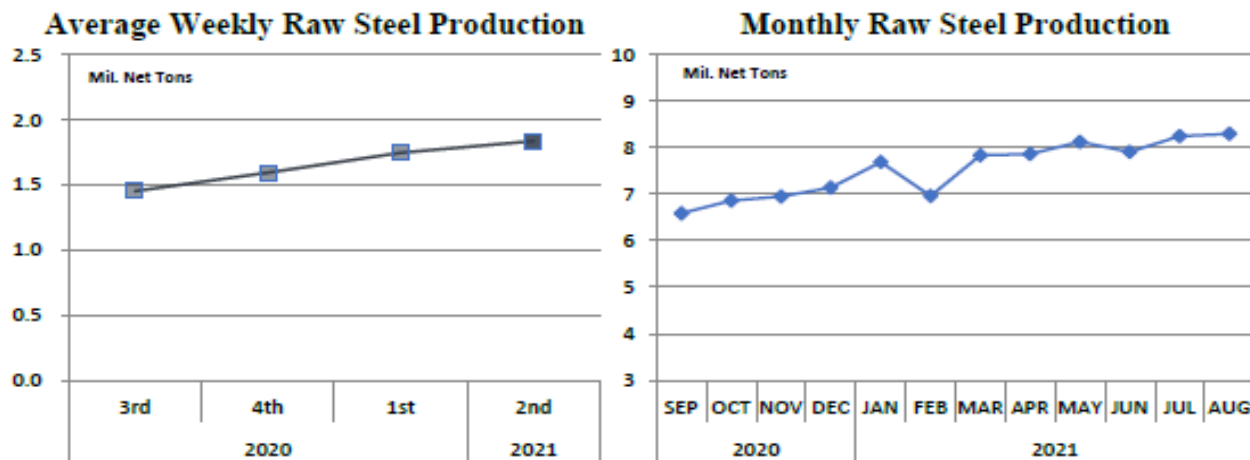
October 25, 2021

ESTIMATED WEEKLY RAW STEEL* PRODUCTION

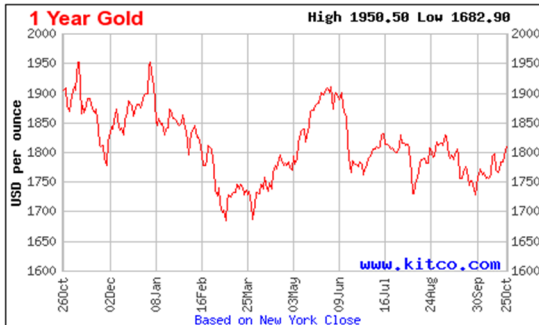
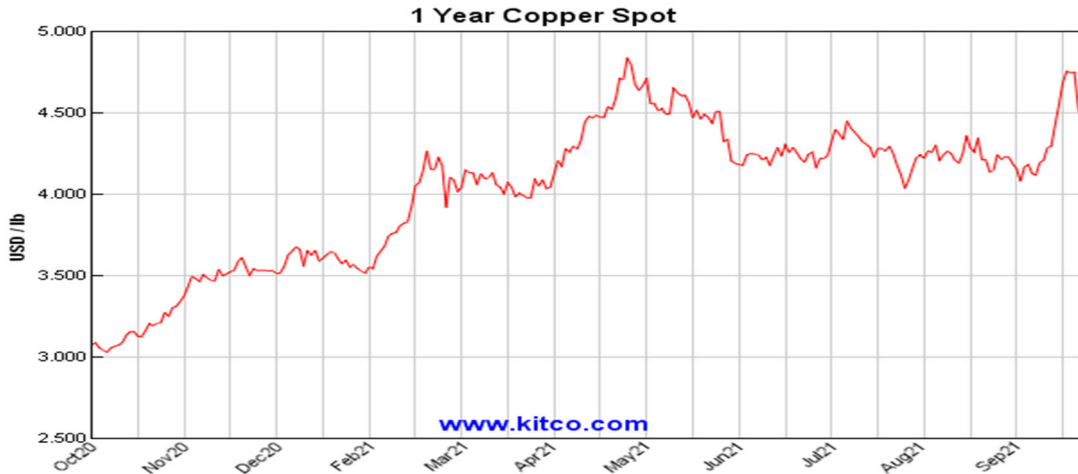
<u>Period</u>	<u>Thousand Net Tons</u>	<u>Percent Change from Previous Period</u>	<u>Percent Capacity Utilization**</u>	<u>Production by District</u>		
				<u>Week Ending Oct 23</u>	<u>Week Ending Oct 16</u>	
<u>Week Ending</u>				North East	176	179
				Great Lakes	635	639
October 23, 2021	1,870	-0.6	84.7	Midwest	201	195
October 23, 2020	1,549	20.7	70.1	Southern	782	788
October 16, 2021	1,882	1.3	85.3	Western	76	81
				Total	1,870	1,882
<u>Year-to-Date +</u>						
October 23, 2021	77,019	20.3	81.3			
October 23, 2020	64,029	-	67.1			

*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 2021 is approximately 29.0 million net tons. Given the large number of changes to steelmaking capability and the evolving market, AISI is updating the capacity statistics.



*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

U.S. Rail Traffic¹
Week 42, 2021 – Ended October 23, 2021

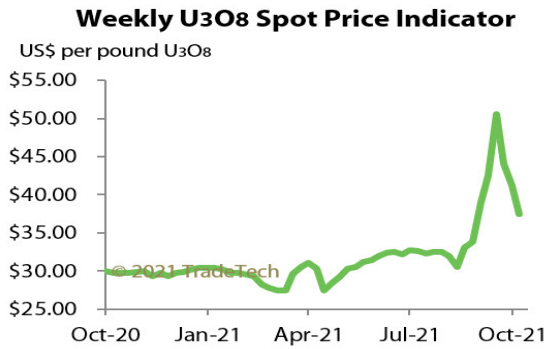
	This Week		Year-To-Date		
	Cars	vs 2020	Cumulative	Avg/wk ²	vs 2020
Total Carloads	239,195	5.1%	9,718,385	231,390	7.5%
Chemicals	31,454	1.7%	1,358,441	32,344	5.6%
Coal	65,712	14.2%	2,679,182	63,790	11.5%
Farm Products excl. Grain, and Food	17,394	4.4%	660,825	15,734	2.3%
Forest Products	10,162	7.1%	422,350	10,056	8.4%
Grain	25,857	-0.5%	967,856	23,044	6.7%
Metallic Ores and Metals	23,192	12.3%	953,231	22,696	26.6%
Motor Vehicles and Parts	13,403	-13.3%	544,016	12,953	3.0%
Nonmetallic Minerals	31,441	1.1%	1,273,162	30,313	0.8%
Petroleum and Petroleum Products	9,544	-6.1%	442,701	10,541	-3.8%
Other	11,036	16.2%	416,621	9,920	3.9%
Total Intermodal Units	271,567	-8.0%	11,617,749	276,613	8.5%
Total Traffic	510,762	-2.3%	21,336,134	508,003	8.0%

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.

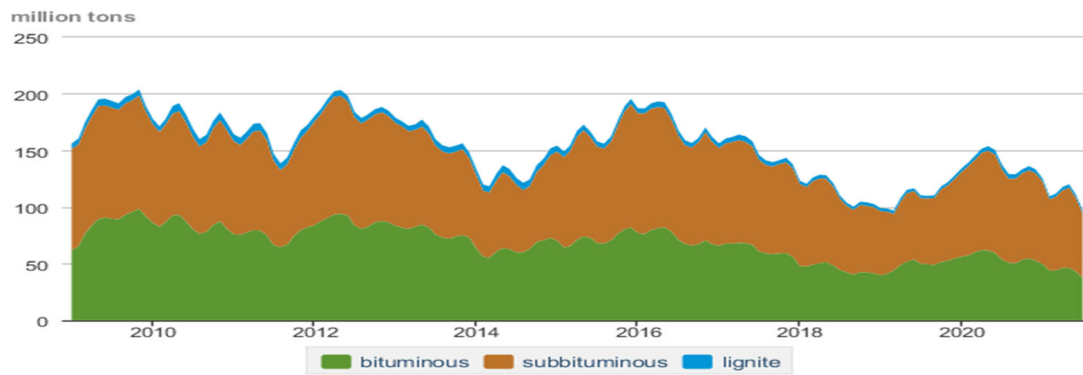
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

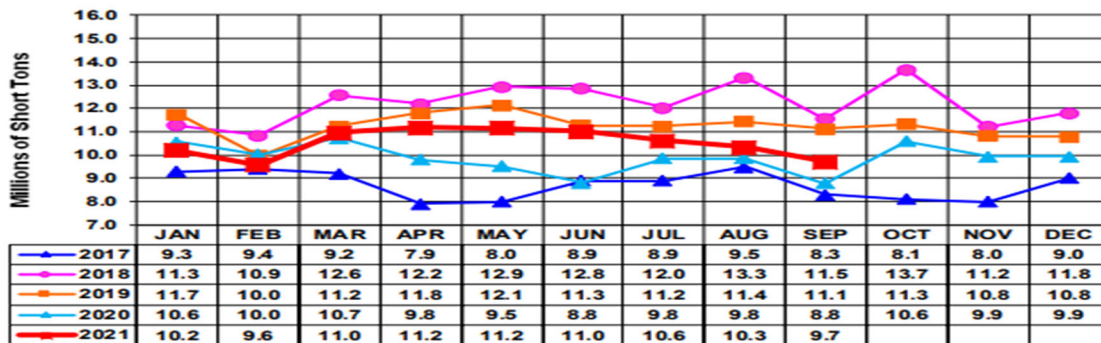
Coal stocks by type, January 2009 - July 2021



Source: U.S. Energy Information Administration

Source: Energy Information Administration, Electric Monthly Update

Coal and Coke Monthly Indicator for Internal U.S. Waterways



For the Internal U.S. Waterway Monthly Indicators, estimates for the most recent month are based on lock performance management data. The estimates will be superseded by actual data as it becomes available.

Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices
dollars per short ton

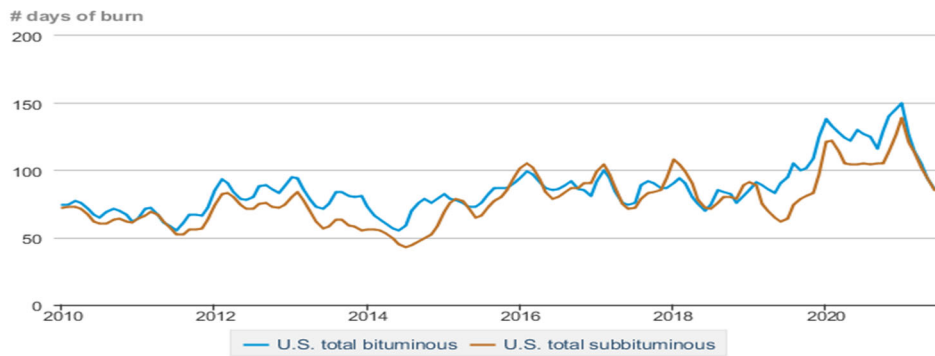
	Week ending					Week ago change
	09/24/21	10/01/21	10/08/21	10/15/21	10/22/21	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$71.05	\$73.25	\$75.50	\$75.50	\$75.50	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$60.65	\$62.50	\$64.40	\$64.40	\$64.40	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$36.25	\$36.25	\$36.25	\$36.25	\$36.25	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$13.35	\$13.30	\$13.25	\$13.25	\$13.25	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$30.25	\$30.15	\$30.05	\$30.05	\$30.05	\$0.00

Source: With permission, S&P Global[®]

Note: Prompt quarter delivery coal prices by each region are shown above. The prompt quarter is the quarter that follows the current quarter. For example, the second quarter is the prompt quarter of a period from January to the end of March. In the row headings, the Btu values represent heat content per pound of coal, and the SO₂ values reflect pounds of SO₂ per MMBtu. Because the historical spot price data are proprietary, they cannot be released by EIA; see S&P Global. S&P Global[®].

Source: Energy Information Administration (with permission from S&P Global), *Coal Market Report*

Days of burn by non-lignite coal rank, January 2010 - July 2021



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Oct 14)

Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	29	-61	-40	0	0	0
Middle Atlantic	12	-67	-42	3	1	3
E N Central	10	-73	-32	23	21	22
W N Central	35	-45	-4	11	8	0
South Atlantic	2	-39	-11	47	16	-2
E S Central	2	-38	-9	48	33	23
W S Central	2	-11	0	72	36	8
Mountain	104	26	66	5	-10	-20
Pacific	64	36	53	0	-11	-15
United States	27	-32	-3	25	11	2

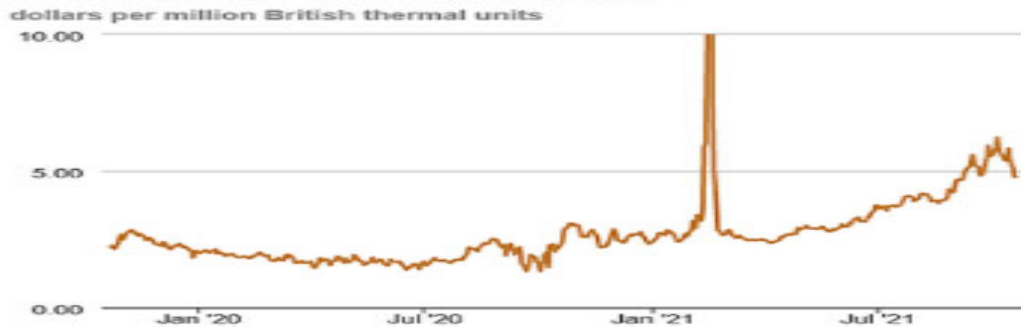
Source: Chart by the U.S. Energy Information Administration (EIA), based on data from the National Oceanic and Atmospheric Administration
Note: HDDs=heating degree days; CDDs=cooling degree days

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

USGS Production of Selected Mineral Commodities	2021 Year to Date - 2nd Quarter	2020 Year to Date - 2nd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	418.0	358.0	17%
Cement (Mil. Mt.)	42.6	41.4	3%
Copper (000 Mt.)	600.0	597.0	1%
Gold (Mt.)	89.2	94.7	-6%
Gypsum (Mil. Mt.)	9.6	8.5	13%
Iron Ore (Mil. Mt.)	12.5	17.4	-28%
Lead (000 Mt.)	146.8	136.7	7%
Molybdenum (000 Mt.)	21.8	24.8	-12%
Phosphate rock (Mil. Mt.)	10.7	12.1	-12%
Sand & gravel, construction (Mil. Mt.)	459.0	420.0	9%
Silver (Mt.)	520.0	456.0	14%
Soda ash (Mil. Mt.)	5.8	5.0	16%
Stone, crushed (Mil. Mt.)	706.0	689.0	2%
Zinc (000 Mt.)	355.0	308.0	15%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2020 data are preliminary estimates. W - withheld, N/A - not available

Natural gas spot prices (Henry Hub)



Source: Graph by the U.S. Energy Information Administration (EIA), based on data from Natural Gas Intelligence
 Note: Henry Hub prices reported for February 16 and 17, 2021, exceeded the published range, averaging \$16.95/MMBtu and \$23.61/MMBtu, respectively.

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 2021		July 2020		% Change of Stocks	June 2021		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	2,090	328	3,669	271	-43.0%	2,627	365	-20.4%
	Subbituminous	.	.	160	213	.	.	.	.
South	Bituminous	12,915	64	22,184	115	-41.8%	14,613	65	-11.6%
	Subbituminous	3,919	45	6,712	77	-41.6%	4,931	54	-20.5%
Midwest	Bituminous	9,643	92	13,674	119	-29.5%	11,080	96	-13.0%
	Subbituminous	20,789	107	29,169	128	-28.7%	23,351	106	-11.0%
West	Bituminous	2,452	120	3,598	149	-31.9%	2,770	134	-11.5%
	Subbituminous	19,294	80	27,145	94	-28.9%	21,523	82	-10.4%
U.S. Total	Bituminous	27,099	87	43,125	127	-37.2%	31,090	86	-12.8%
	Subbituminous	44,002	85	63,186	105	-30.4%	49,805	85	-11.7%

Source: U.S. Energy Information Administration

NOTE: Stockpile levels shown above reflect a sample of electric power sector plants, which were used to create the days of burn statistics. These levels will not equal total electric power sector stockpile levels.

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

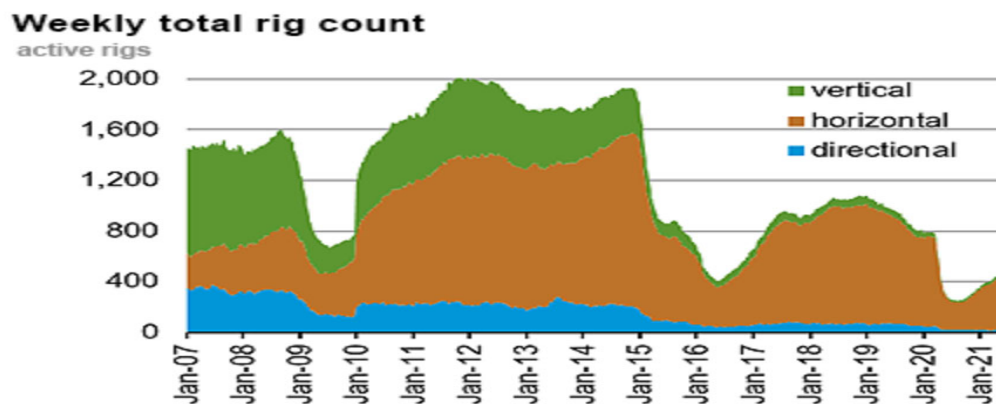
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2021-10-15	2021-10-08	change
East	862	834	28
Midwest	1,027	997	30
Mountain	211	210	1
Pacific	253	251	2
South Central	1,108	1,079	29
Total	3,461	3,369	92

Source: U.S. Energy Information Administration Form EIA-912, *Weekly Underground Natural Gas Storage Report*

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

EIA Natural Gas Rig Count



Source: Graph by the U.S. Energy Information Administration (EIA), based on data from Baker Hughes Company

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

EIA Oil and Natural Gas Rig Productivity

Region	NEW-WELL PRODUCTION PER RIG BY REGION			PRODUCTION BY REGION			DUC WELLS BY REGION		
	New-well oil production per rig barrels/day			New-well gas production per rig thousand cubic feet/day					
	October 2021	November 2021	change	October 2021	November 2021	change			
Anadarko	899	845	(54)	4,828	4,538	(290)			
Appalachia	187	187	-	30,127	30,133	6			
Bakken	2,250	2,152	(98)	3,150	3,013	(137)			
Eagle Ford	2,388	2,390	2	8,516	8,559	43			
Haynesville	19	19	-	11,806	11,924	118			
Niobrara	1,733	1,663	(70)	4,712	4,523	(189)			
Permian	1,224	1,220	(4)	2,259	2,248	(11)			
Rig-weighted average	1,162	1,145	(17)	6,628	6,466	(162)			

Source: Energy Information Administration, *Drilling Productivity Report*