
NATIONAL MINING ASSOCIATION

Weekly Statistical Summary

October 22, 2021 Edition
(Data for Week Ending October 16, 2021)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 59, No. 42
Dated 10/22/21

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	10/16/21	10/17/20	% Chng	10/16/21	10/16/20	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	10,019	10,237	-2.1%	461,388	425,135	8.5%
52 Weeks Ended	570,356	555,930	2.6%			
AAR Coal Rail Cars Loaded:	57,772	59,979	-3.7%	2,627,796	2,376,733	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		
	10/16/21	10/17/20	% Chng	10/16/21	10/17/20	% Chng
EEl Electric Total Output (Mil. Kwh)	73,017	69,802	4.6%	3,309,093	3,201,045	3.4%
EEl Coal Region Output (Mil. Kwh)	63,494	59,741	6.3%	2,868,370	2,767,635	3.6%
AISI Raw Steel Output (000 Tons)	1,882	1,549	21.5%	75,149	62,480	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)	
	10/15/21	10/08/21	% Chng	Wed.	10/13/21
Central App, 12,500 Btu, 1.2 SO ₂	\$75.50	\$75.50	0.0%	Henry Hub	5.45
Northern App, 13,000 Btu, < 3.0 SO ₂	64.40	64.40	0.0%	New York	4.85
Illinois Basin, 11,800, 5.0 SO ₂	36.25	36.25	0.0%	Chicago	5.18
Powder River Basin, 8,800 Btu 0.8 SO ₂	13.25	13.25	0.0%	Cal.Comp.Avg.	5.99
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

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	10/16/2021 (week 42)	10/9/2021 (week 41)	10/17/2020 (week 42)	10/16/2021	10/16/2020	% Change	10/16/2021	10/17/2020	% Change
Alabama	191	228	209	9,141	9,904	-7.7	11,361	12,272	-7.4
Alaska	21	25	21	920	796	15.6	1,142	989	15.5
Colorado	185	220	198	8,371	7,903	5.9	10,476	10,174	3.0
Illinois	706	900	605	32,402	25,248	28.3	38,845	32,502	19.5
Indiana	307	358	348	15,172	16,193	-6.3	18,876	21,754	-13.2
Kentucky Total	479	560	472	21,383	19,132	11.8	26,406	25,187	4.8
Eastern (KY)	161	189	159	7,621	6,591	15.6	9,314	8,778	6.1
Western (KY)	318	372	313	13,762	12,541	9.7	17,092	16,409	4.2
Louisiana	4	5	6	205	607	-66.2	273	865	-68.4
Maryland	19	22	20	958	936	2.3	1,173	1,215	-3.5
Mississippi	46	46	27	2,692	2,298	17.1	2,978	2,766	7.7
Missouri	2	2	3	81	128	-36.9	111	160	-30.6
Montana	468	557	516	21,365	20,865	2.4	26,855	27,462	-2.2
New Mexico	147	171	164	7,332	8,484	-13.6	9,076	11,163	-18.7
North Dakota	479	567	488	22,243	21,176	5.0	27,442	26,720	2.7
Ohio	47	55	60	2,157	2,942	-26.7	2,793	4,231	-34.0
Oklahoma	.	.	.	.	1	-100.0	.	37	.
Pennsylvania Total	798	931	745	35,729	28,304	26.2	43,655	38,201	14.3
Anthracite (PA)	35	39	42	1,683	1,915	-12.1	2,134	2,524	-15.5
Bituminous (PA)	763	892	702	34,047	26,388	29.0	41,520	35,677	16.4
Tennessee	.	.	.	.	92	-100.0	.	179	.
Texas	304	363	365	13,870	15,746	-11.9	17,759	19,986	-11.1
Utah	231	271	242	10,746	10,556	1.8	13,322	13,074	1.9
Virginia	189	226	201	8,375	7,661	9.3	10,515	9,904	6.2
West Virginia Total	1,384	1,648	1,317	63,432	53,193	19.2	77,447	69,909	10.8
Northern (WV)	863	1,015	785	37,340	28,709	30.1	45,697	37,443	22.0
Southern (WV)	521	634	532	26,092	24,484	6.6	31,750	32,466	-2.2
Wyoming	4,012	4,599	4,231	184,813	172,969	6.8	229,850	227,182	1.2
Appalachian Total	2,789	3,299	2,710	127,413	109,623	16.2	156,259	144,688	8.0
Interior Total	1,688	2,048	1,668	78,185	72,763	7.5	95,934	94,479	1.5
Western Total	5,543	6,411	5,860	255,791	242,749	5.4	318,163	316,763	0.4
East of Mississippi River	4,166	4,976	4,003	191,442	165,904	15.4	234,050	218,119	7.3
West of Mississippi River	5,853	6,782	6,234	269,946	259,231	4.1	336,306	337,811	-0.4
Bituminous and Lignite	9,984	11,719	10,195	459,705	423,220	8.6	568,222	553,406	2.7
Anthracite	35	39	42	1,683	1,915	-12.1	2,134	2,524	-15.5
U.S. Total	10,019	11,758	10,237	461,388	425,135	8.5	570,356	555,930	2.6
Railroad Cars Loaded	57,772	67,680	59,979	2,627,796	2,376,733	10.6	3,268,630	3,129,157	4.5

Source: Energy Information Administration



Weekly Electric Output

Volume 89 No. 42

OUTPUT FOR WEEK ENDED - Oct 16, 2021

Oct 20, 2021

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Oct 16, 2021** was **73,017** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **185** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended October 16		52 Weeks Ended October 16	
	GWh Output	% Increase Over Corresponding Week of 2020	GWh Output	% Increase Over Corresponding Period of 2020
New England	2,012	3.9	116,235	1.1
Mid-Atlantic	7,342	7.7	418,499	1.2
Central Industrial	11,512	8.8	650,603	2.3
West Central	5,953	4.1	334,155	3.6
Southeast	18,689	8.3	1,016,429	3.2
South Central	15,059	6.7	776,771	2.9
Rocky Mountain	4,939	-6.2	293,520	2.0
Pacific Northwest	2,779	8.6	158,340	2.4
Pacific Southwest	4,732	-15.0	267,305	-0.2
Total United States	73,017	4.6	4,031,857	2.4

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2021	Week Ended	2020	% Inc. (21/20)	52 Weeks Ended	2021	% Inc. (21/20)
Sep 25	75,786	Sep 26	69,966	8.3	Sep 25	4,018,970	1.9
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 16	3,309,093	Oct 17	3,201,045	3.4	YEAR TO DATE, FIRST 42 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2021	Week Ended	2020	Week Ended	2019
Sep 25	178	Sep 26	178	Sep 28	198
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

* 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		
	16-Oct 2021 GWh Output	17-Oct 2020 GWh Output	% Increase Over Corresponding Week	16-Oct 2021 GWh Output	17-Oct 2020 GWh Output	% Increase Over Corresponding Week	16-Oct 2021 GWh Output	17-Oct 2020 GWh Output	% Increase Over Corresponding Week
New England	2,012	1,937	3.9%	94,574	92,645	2.1%	116,235	115,001	1.1%
Mid-Atlantic	7,342	6,817	7.7%	344,087	334,264	2.9%	418,499	413,425	1.2%
Central Industrial	11,512	10,577	8.8%	533,969	514,072	3.9%	650,603	635,732	2.3%
West Central	5,953	5,718	4.1%	274,080	260,927	5.0%	334,155	322,593	3.6%
Southeast	18,689	17,254	8.3%	834,364	802,852	3.9%	1,016,429	984,645	3.2%
South Central	15,059	14,108	6.7%	642,505	622,592	3.2%	776,771	754,980	2.9%
Rocky Mountain	4,939	5,267	-6.2%	239,365	232,928	2.8%	293,520	287,665	2.0%
Pacific Northwest	2,779	2,558	8.6%	126,650	122,114	3.7%	158,340	154,599	2.4%
Pacific Southwest	4,732	5,566	-15.0%	219,503	218,652	0.4%	267,305	267,720	-0.2%
Total United States ^{1/}	73,017	69,802	4.6%	3,309,097	3,201,046	3.4%	4,031,857	3,936,360	2.4%
Coal Regions Only ^{2/}	63,494	59,741	6.3%	2,868,370	2,767,635	3.6%	3,489,977	3,399,040	2.7%

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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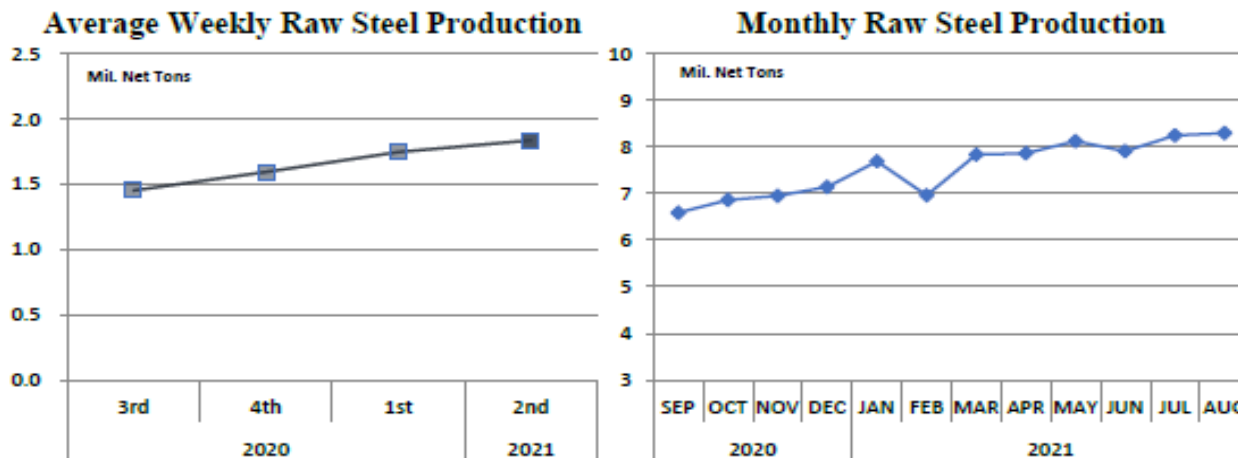
October 18, 2021

ESTIMATED WEEKLY RAW STEEL * PRODUCTION

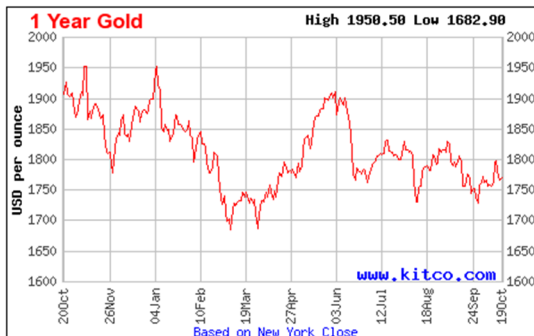
<u>Period</u>	<u>Thousand Net Tons</u>	<u>Percent Change from Previous Period</u>	<u>Percent Capacity Utilization**</u>	<u>Production by District</u>		
				<u>Week Ending Oct 16</u>	<u>Week Ending Oct 9</u>	
<u>Week Ending</u>				North East	179	181
				Great Lakes	639	638
October 16, 2021	1,882	1.3	85.3	Midwest	195	191
October 16, 2020	1,549	21.5	70.1	Southern	788	768
October 9, 2021	1,858	-0.7	84.2	Western	81	80
				Total	1,882	1,858
<u>Year-to-Date +</u>						
October 16, 2021	75,149	20.3	81.3			
October 16, 2020	62,480	-	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 41, 2021 – Ended October 16, 2021

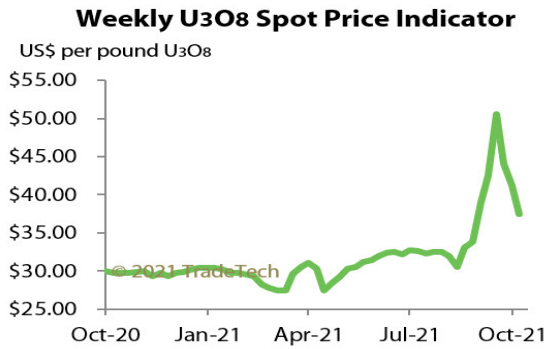
	This Week		Year-To-Date		
	Cars	vs 2020	Cumulative	Avg/wk ²	vs 2020
Total Carloads	229,730	1.2%	9,479,190	231,200	7.6%
Chemicals	32,721	10.1%	1,326,987	32,366	5.7%
Coal	57,772	-4.1%	2,613,470	63,743	11.5%
Farm Products excl. Grain, and Food	17,142	5.1%	643,431	15,693	2.3%
Forest Products	9,886	6.0%	412,188	10,053	8.4%
Grain	25,133	-1.6%	941,999	22,976	6.9%
Metallic Ores and Metals	21,990	18.7%	930,039	22,684	27.0%
Motor Vehicles and Parts	13,374	-14.5%	530,613	12,942	3.5%
Nonmetallic Minerals	32,210	3.7%	1,241,721	30,286	0.8%
Petroleum and Petroleum Products	9,901	-3.6%	433,157	10,565	-3.7%
Other	9,601	-7.7%	405,585	9,892	3.6%
Total Intermodal Units	267,253	-8.5%	11,346,182	276,736	8.9%
Total Traffic	496,983	-4.2%	20,825,372	507,936	8.3%

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.

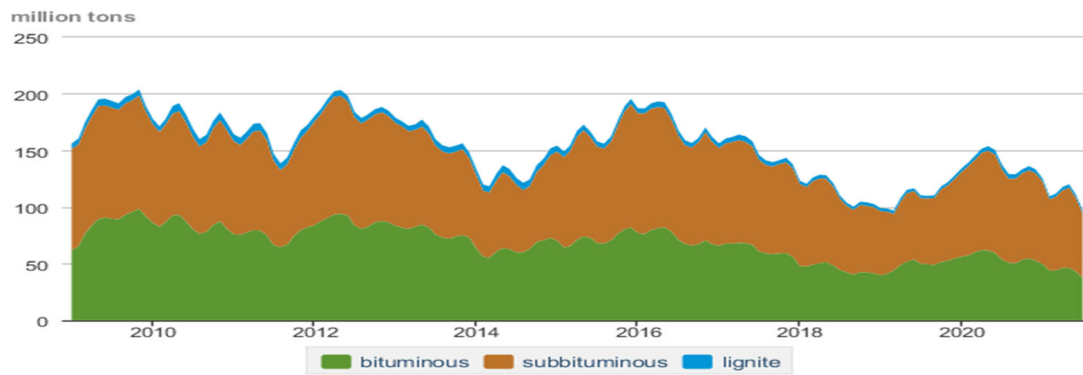
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

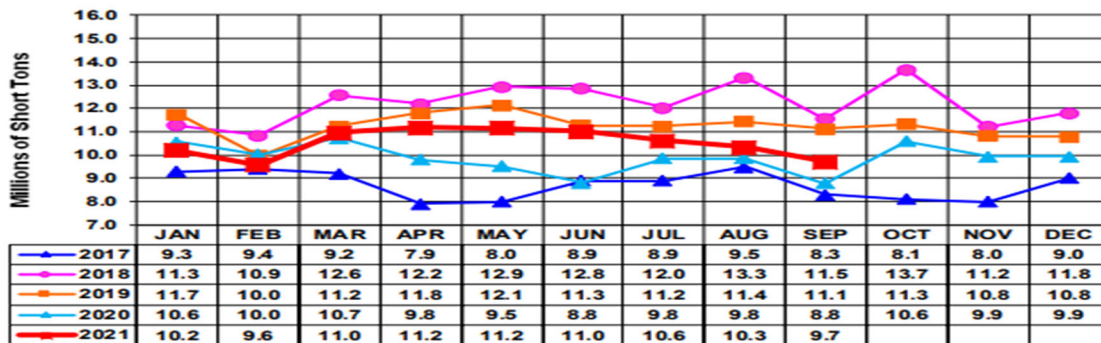
Coal stocks by type, January 2009 - July 2021



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

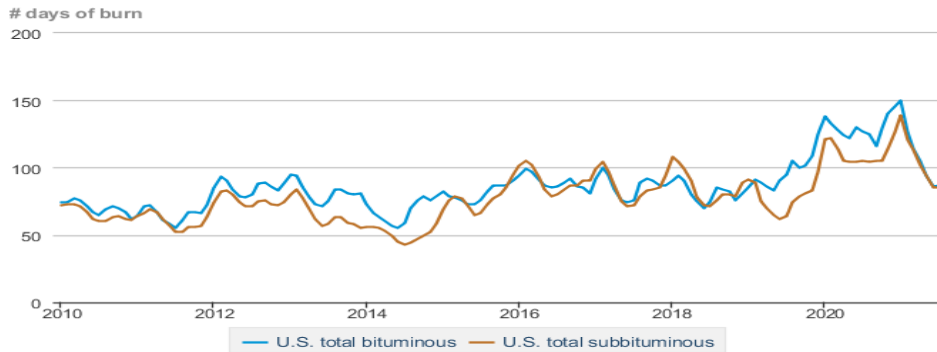
Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	09/17/21	09/24/21	10/01/21	10/08/21	10/15/21	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$71.05	\$71.05	\$73.25	\$75.50	\$75.50	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$60.65	\$60.65	\$62.50	\$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	\$13.35	\$13.30	\$13.25	\$13.25	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$30.25	\$30.25	\$30.15	\$30.05	\$30.05	\$0.00

Source: With permission, 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 07)

Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	48	-25	-5	0	0	-3
Middle Atlantic	22	-39	-33	4	1	4
E N Central	13	-52	-85	17	13	17
W N Central	21	-42	-69	9	3	9
South Atlantic	4	-25	-36	58	20	33
E S Central	2	-26	-46	44	21	42
W S Central	2	-6	-15	64	17	33
Mountain	44	-20	7	15	-7	-20
Pacific	16	-5	13	20	5	-39
United States	17	-29	-36	29	10	9

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

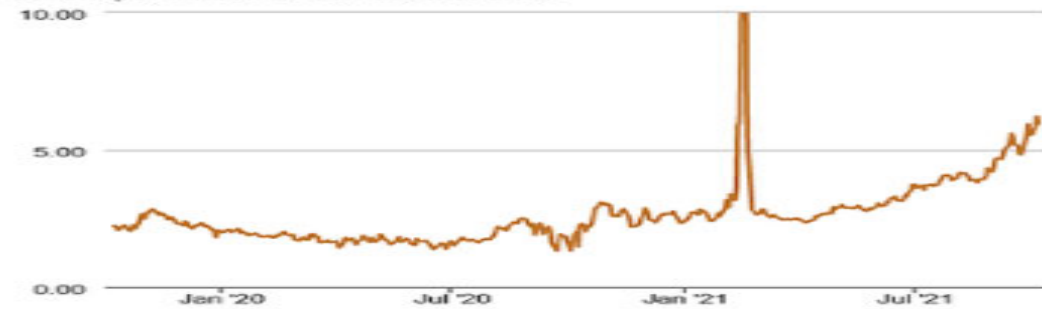
Source: Energy Information Administration, *Natural Gas Weekly Update*.

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)

dollars per million British thermal units



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 \$16.96/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

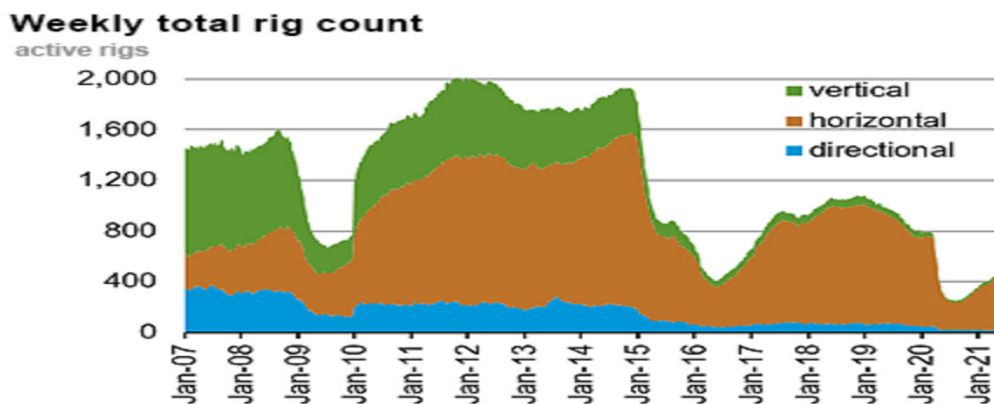
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2021-10-08	2021-10-01	change
East	834	810	24
Midwest	997	971	26
Mountain	210	206	4
Pacific	251	248	3
South Central	1,079	1,054	25
Total	3,369	3,288	81

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*