

National Mining Association

Weekly Statistical Summary

April 13, 2018 Edition
(Data for Week Ending April 7, 2018)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 56, No. 14
Dated 04/13/18

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	04/07/18	04/08/17	% Chng	04/07/18	04/07/17	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,269	13,424	6.3%	205,366	210,540	-2.5%
52 Weeks Ended	767,200	764,212	0.4%			
AAR Coal Rail Cars Loaded:	81,476	75,078	8.5%	1,161,917	1,160,397	0.1%
Coal Production Month Ended - March	Mar 18/17		% Chng	Jan - Mar 18/17		% Chng
	66,676	64,301	3.7%	191,097	197,033	-3.0%
DOC Coal Trade (000 Tons)						
Exports:	Feb 18/17			Jan - Feb 18/17		
			% Chng			% Chng
Metallurgical	5,332	3,776	41.2%	9,904	8,092	22.4%
Steam *	3,670	3,083	19.0%	7,863	6,137	28.1%
Lignite	9	9	0.0%	16	15	6.7%
Anthracite	15	47	-68.1%	20	60	-66.7%
Total	9,026	6,915	30.5%	17,803	14,304	24.5%
Imports:	349	612	-43.0%	849	1,355	-37.3%
	Week Ended			Cumulative Week 1 to		
	04/07/18	04/08/17	% Chng	04/07/18	04/08/17	% Chng
EI Electric Total Output (Mil. Kwh)	70,814	68,555	3.3%	1,075,666	1,029,618	4.5%
EI Coal Region Output (Mil. Kwh)	60,909	58,725	3.7%	926,485	877,156	5.6%
AISI Raw Steel Output (000 Tons)	1,805	1,721	4.9%	24,397	24,089	1.3%

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)	
	04/06/18	04/30/18	% Chng	Wed.	04/04/18
Central App, 12,500 Btu, 1.2 SO ₂	\$61.10	\$63.00	-3.0%	Henry Hub	2.77
Northern App, 13,000 Btu, < 3.0 SO ₂	45.05	46.45	-3.0%	New York	2.92
Illinois Basin, 11,800, 5.0 SO ₂	32.70	33.20	-1.5%	Chicago	2.94
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.35	12.40	-0.4%	Cal.Comp.Avg.	2.70
Uinta Basin, 11,700 Btu, 0.8 SO ₂	42.05	42.15	-0.2%		

Coal exports and Imports are "as reported" (not revised); *Steam excludes lignite & anthracite. All data in this report are preliminary and subject to revision.

Sources: EIA; Edison Electric Institute; American Iron & Steel Institute; Association of American Railroads; Dept. of Commerce; SNL Energy; NGI's Daily Gas Price Index



EIA Estimated Weekly U.S. Coal Production Overview									
Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	4/7/2018 (week 14)	3/31/2018 (week 13)	4/8/2017 (week 14)	4/7/2018	4/7/2017	% Change	4/7/2018	4/8/2017	% Change
Alabama	263	278	249	3,891	3,524	10.4	12,947	10,705	20.9
Alaska	17	18	14	226	274	-17.3	910	893	1.9
Arizona	111	117	99	1,603	1,767	-9.3	6,045	5,843	3.5
Arkansas	1	1	1	12	11	7.5	27	49	-44.9
Colorado	316	327	314	4,736	4,099	15.5	15,642	14,203	10.1
Illinois	916	966	922	13,361	13,611	-1.8	47,986	45,847	4.7
Indiana	585	605	547	8,401	8,937	-6.0	30,811	30,411	1.3
Kentucky Total	809	845	816	11,563	12,264	-5.7	41,851	43,609	-4.0
Eastern (KY)	405	409	385	5,334	5,049	5.6	19,106	17,198	11.1
Western (KY)	404	436	431	6,229	7,214	-13.7	22,745	26,411	-13.9
Louisiana	30	42	34	644	989	-34.9	1,728	3,121	-44.6
Maryland	35	35	36	483	416	16.1	1,724	1,630	5.8
Mississippi	50	54	59	739	800	-7.6	2,535	2,895	-12.4
Missouri	4	4	4	62	64	-2.9	242	256	-5.5
Montana	634	629	560	8,392	7,806	7.5	35,745	32,661	9.4
New Mexico	247	276	252	3,799	3,997	-5.0	12,966	13,027	-0.5
North Dakota	515	531	472	7,171	7,709	-7.0	28,187	28,554	-1.3
Ohio	148	153	170	1,999	2,439	-18.0	8,874	11,050	-19.7
Oklahoma	10	10	12	129	133	-3.2	556	618	-10.0
Pennsylvania Total	914	955	907	13,441	13,508	-0.5	48,915	48,935	s
Anthracite (PA)	34	39	33	518	555	-6.6	1,842	1,770	4.1
Bituminous (PA)	880	916	874	12,923	12,953	-0.2	47,073	47,165	-0.2
Tennessee	7	8	9	117	160	-27.1	386	598	-35.5
Texas	599	628	603	8,359	9,344	-10.5	35,275	38,330	-8.0
Utah	248	261	244	3,478	3,769	-7.7	14,003	14,335	-2.3
Virginia	249	260	250	3,669	3,969	-7.6	13,372	14,066	-4.9
West Virginia Total	1,792	1,829	1,670	25,402	25,365	0.1	92,584	85,798	7.9
Northern (WV)	837	889	815	12,451	13,486	-7.7	45,644	46,621	-2.1
Southern (WV)	955	940	856	12,951	11,879	9.0	46,940	39,177	19.8
Wyoming	5,770	5,866	5,178	83,691	85,584	-2.2	313,888	316,777	-0.9
Appalachian Total	3,813	3,927	3,676	54,336	54,431	-0.2	197,908	189,980	4.2
Interior Total	2,599	2,745	2,614	37,935	41,103	-7.7	141,905	147,940	-4.1
Western Total	7,857	8,026	7,133	113,095	115,006	-1.7	427,387	426,293	0.3
East of Mississippi River	5,768	5,987	5,636	83,066	84,993	-2.3	301,985	295,545	2.2
West of Mississippi River	8,501	8,711	7,788	122,301	125,547	-2.6	465,215	468,667	-0.7
Bituminous and Lignite	14,235	14,659	13,391	204,848	209,985	-2.4	765,358	762,442	0.4
Anthracite	34	39	33	518	555	-6.6	1,842	1,770	4.1
U.S. Total	14,269	14,698	13,424	205,366	210,540	-2.5	767,200	764,212	0.4
Railroad Cars Loaded	81,476	82,740	75,078	1,161,917	1,160,397	0.1	4,421,314	4,329,190	2.1

Source: Energy Information Administration



Weekly Electric Output

Volume 86 No. 14

OUTPUT FOR WEEK ENDED - Apr 07, 2018

Apr 11, 2018

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, Apr 07, 2018 was 70,814 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 180 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION (48 CONTIGUOUS STATES)

	Week Ended April 07		52 Weeks Ended April 07	
	GWh Output	% Increase Over Corresponding Week of 2017	GWh Output	% Increase Over Corresponding Period of 2017
New England	2,160	-0.8	120,751	-2.5
Mid-Atlantic	7,554	4.2	429,855	-1.2
Central Industrial	12,704	6.2	666,717	-1.0
West Central	6,051	5.6	329,815	-0.1
Southeast	17,295	1.1	1,032,574	1.0
South Central	12,720	3.8	739,252	2.7
Rocky Mountain	4,585	3.7	277,316	0.2
Pacific Northwest	3,002	4.1	157,598	0.3
Pacific Southwest	4,743	-0.6	282,112	-0.4
Total United States	70,814	3.3	4,035,991	0.3

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2018	Week Ended	2017	% Inc. (18/17)	52 Weeks Ended	2018	% Inc. (18/17)
Mar 17	72,648	Mar 18	74,521	-2.5	Mar 17	4,031,372	0.3
Mar 24	71,792	Mar 25	70,146	2.3	Mar 24	4,033,018	0.3
Mar 31	70,174	Apr 01	69,461	1.0	Mar 31	4,033,731	0.3
Apr 07	70,814	Apr 08	68,555	3.3	Apr 07	4,035,991	0.3
Apr 07	1,075,666	Apr 08	1,029,618	4.5	YEAR TO DATE, FIRST 14 WEEKS		

WEEKLY ELECTRIC OUTPUT INDEX--TOTAL U.S.* SEASONALLY ADJUSTED 1982 = 100

Week Ended	2018	Week Ended	2017	Week Ended	2016
Mar 17	179	Mar 18	173	Mar 19	175
Mar 24	178	Mar 25	163	Mar 26	168
Mar 31	175	Apr 01	167	Apr 02	169
Apr 07	180	Apr 08	167	Apr 09	175

* 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		
	7-Apr 2018 GWh Output	8-Apr 2017 GWh Output	% Increase Over Corresponding Week of 2017	7-Apr 2018 GWh Output	8-Apr 2017 GWh Output	% Increase Over Corresponding Week of 2017	7-Apr 2018 GWh Output	8-Apr 2017 GWh Output	% Increase Over Corresponding Week of 2017
New England	2,160	2,177	-0.8%	33,241	33,075	0.5%	120,751	123,886	-2.5%
Mid-Atlantic	7,554	7,248	4.2%	117,926	113,044	4.3%	429,855	435,294	-1.2%
Central Industrial	12,704	11,964	6.2%	187,459	179,016	4.7%	666,717	673,373	-1.0%
West Central	6,051	5,728	5.6%	88,312	84,446	4.6%	329,815	330,030	-0.1%
Southeast	17,295	17,108	1.1%	277,283	257,754	7.6%	1,032,574	1,022,805	1.0%
South Central	12,720	12,254	3.8%	186,219	172,611	7.9%	739,252	720,038	2.7%
Rocky Mountain	4,585	4,423	3.7%	69,286	70,285	-1.4%	277,316	276,777	0.2%
Pacific Northwest	3,002	2,883	4.1%	47,991	49,930	-3.9%	157,598	157,116	0.3%
Pacific Southwest	4,743	4,770	-0.6%	67,948	69,457	-2.2%	282,112	283,132	-0.4%
Total United States ^{1/}	<u>70,814</u>	<u>68,555</u>	3.3%	<u>1,075,665</u>	<u>1,029,618</u>	4.5%	<u>4,035,990</u>	<u>4,022,451</u>	0.3%
Coal Regions Only ^{2/}	60,909	58,725	3.7%	926,485	877,156	5.6%	3,475,529	3,458,317	0.5%

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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April 9, 2018

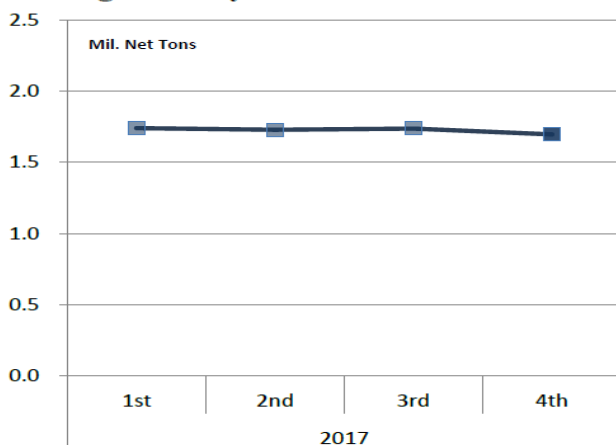
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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</u>		
				<u>Apr 7</u>	<u>Mar 31</u>	
<u>Week Ending</u>				North East	218	205
				Great Lakes	683	663
April 7, 2018	1,805	1.6	77.0	Midwest	166	168
April 7, 2017	1,721	4.9	73.8	Southern	660	667
March 31, 2018	1,776	-1.5	76.2	Western	<u>78</u>	<u>73</u>
				Total	1,805	1,776
<u>Year-to-Date +</u>						
April 7, 2018	24,397	1.3	75.5			
April 7, 2017	24,089	-	74.4			

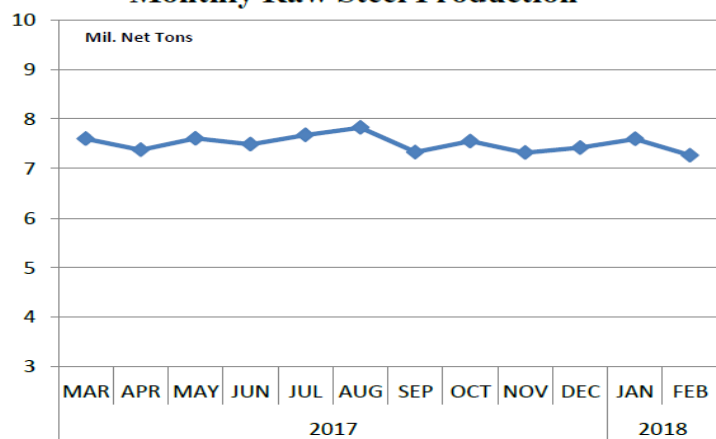
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 first quarter 2018 is approximately 30.0 million net tons vs. 30.0 million net tons for the same period last year, and 30.6 million tons for the fourth quarter of 2017.

Average Weekly Raw Steel Production



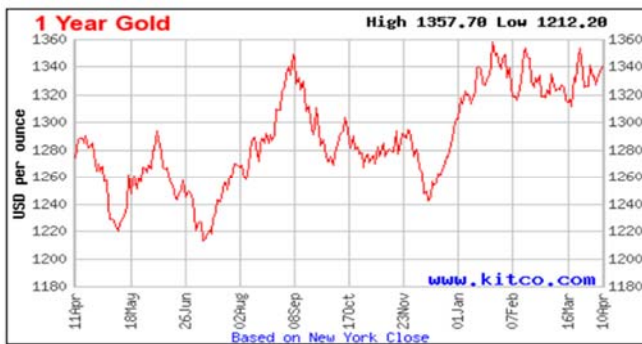
Monthly Raw Steel Production



*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 14, 2018 – Ended April 7, 2018

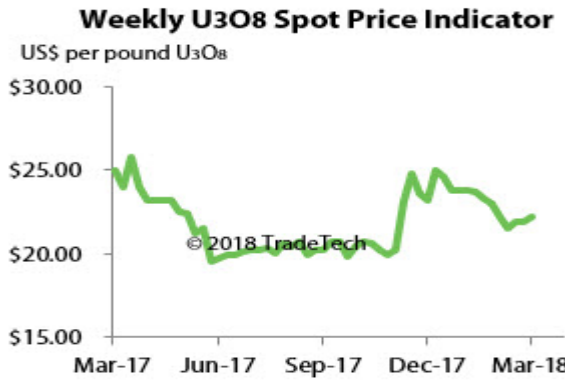
	This Week		Year-To-Date		
	Cars	vs 2017	Cumulative	Avg/wk ²	vs 2017
Total Carloads	261,898	4.6%	3,558,097	254,150	0.1%
Chemicals	33,694	6.8%	452,343	32,310	3.4%
Coal	81,476	8.7%	1,170,539	83,610	0.0%
Farm Products excl. Grain, and Food	16,382	4.0%	225,122	16,080	-0.5%
Forest Products	9,870	-0.7%	140,317	10,023	0.7%
Grain	25,419	6.9%	315,622	22,544	-3.0%
Metallic Ores and Metals	23,401	11.6%	298,155	21,297	1.7%
Motor Vehicles and Parts	17,103	-4.2%	230,063	16,433	-6.0%
Nonmetallic Minerals	35,567	-1.6%	452,786	32,342	1.6%
Petroleum and Petroleum Products	9,899	-1.3%	143,114	10,222	3.0%
Other	9,087	-3.5%	130,036	9,288	-3.4%
Total Intermodal Units	263,007	3.1%	3,759,388	268,528	5.3%
Total Traffic	524,905	3.8%	7,317,485	522,678	2.7%

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.

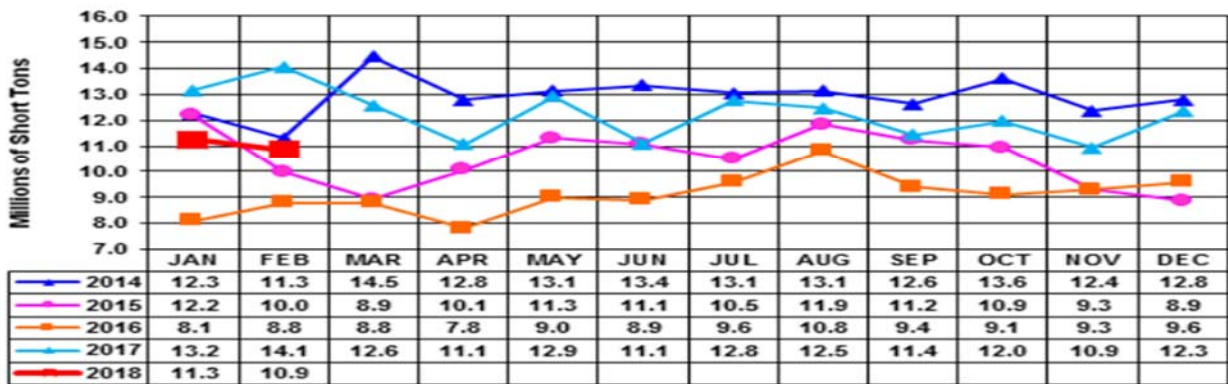
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

Trade Tech's Uranium Price Indicators



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

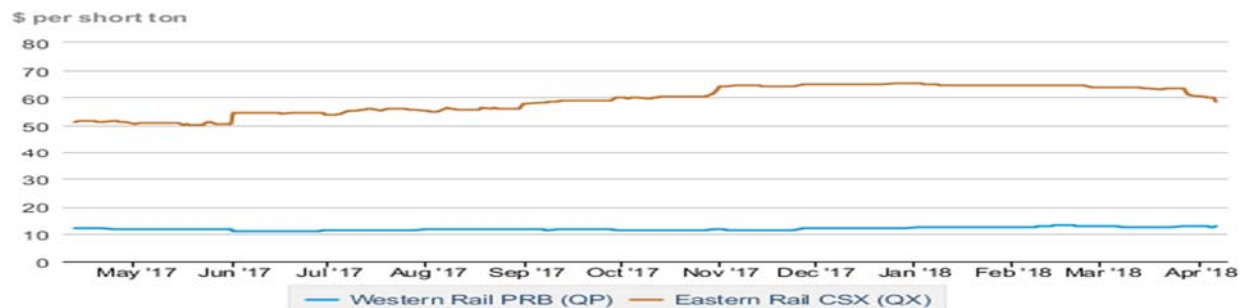
Coal and Coke Monthly Indicator for Internal U.S. Waterways



Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center

NYMEX Coal Futures Near-month Contract Final Settlement Price

NYMEX coal futures near-month contract final settlement price



Source: The New York Mercantile Exchange (NYMEX), Daily Energy Bulletin.

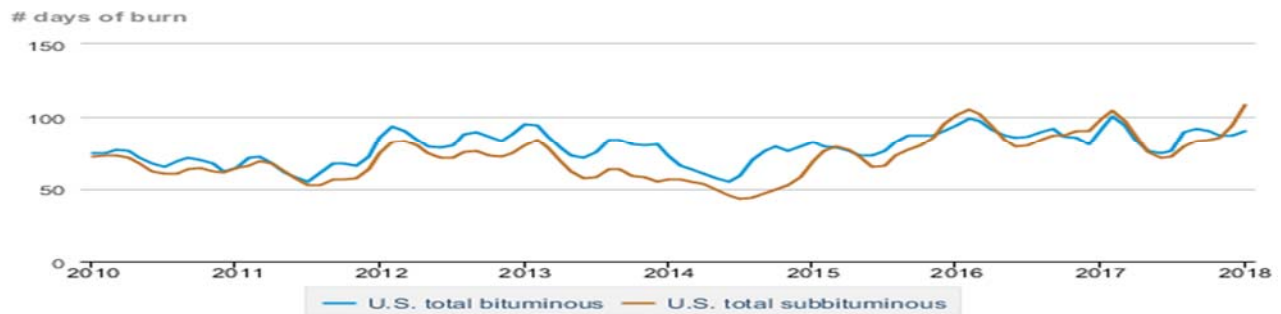
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago change
	03/09/18	03/16/18	03/23/18	03/30/18	04/06/18	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$63.10	\$63.00	\$63.00	\$63.00	\$61.10	\$-1.90
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$47.05	\$46.45	\$46.45	\$46.45	\$45.05	\$-1.40
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$33.20	\$33.20	\$33.20	\$33.20	\$32.70	\$-0.50
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.40	\$12.40	\$12.40	\$12.40	\$12.35	\$-0.05
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$42.10	\$42.15	\$42.15	\$42.15	\$42.05	\$-0.10

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

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



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Mar 29)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	185	6	-21	0	0	0
Middle Atlantic	183	21	30	0	0	0
E N Central	171	1	49	0	0	0
W N Central	177	11	50	0	-1	0
South Atlantic	114	24	60	11	-1	-6
E S Central	85	0	56	0	-5	-12
W S Central	33	-15	20	20	7	-15
Mountain	157	15	38	0	-4	-1
Pacific	105	23	24	0	-1	0
United States	138	10	37	4	-1	-4

Note: HDD = heating degree day; CDD = cooling degree day

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

USGS Production of Selected Mineral Commodities	2017 Year to Date - 3rd Quarter	2016 Year to Date - 3rd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	730.0	723.0	1%
Cement (Mil. Mt.)	63.2	62.2	2%
Copper (000 Mt.)	956.0	1,080.0	-11%
Gold (Mt.)	185.0	163.0	13%
Gypsum (Mil. Mt.)	12.4	12.4	0%
Iron Ore (Mil. Mt.)	34.5	29.3	18%
Lead (000 Mt.)	227.0	260.0	-13%
Molybdenum (000 Mt.)	29.8	25.7	16%
Phosphate rock (Mil. Mt.)	20.7	20.6	0%
Sand & gravel, construction (Mil. Mt.)	673.0	680.0	-1%
Silver (Mt.)	771.0	856.0	-10%
Soda ash (Mil. Mt.)	8.8	8.8	0%
Stone, crushed (Mil. Mt.)	1,010.0	1,030.0	-2%
Zinc (000 Mt.)	534.0	596.0	-10%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2017 data are preliminary estimates.

Natural gas spot prices (Henry Hub)



eia Source: Natural Gas Intelligence

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

EIA Coal Stocks and Average Number of Days of Burn (Power Sector)

Zone	Coal	January 2018		January 2017		% Change of Stocks	December 2017		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	3,314	85	5,177	74	-36.0%	3,813	72	-13.1%
	Subbituminous	62	26	96	30	-35.6%	111	53	-44.5%
South	Bituminous	21,718	88	29,558	90	-26.5%	26,563	91	-18.2%
	Subbituminous	4,676	61	5,760	76	-18.8%	5,305	61	-11.9%
Midwest	Bituminous	11,259	81	15,826	96	-28.9%	12,933	79	-12.9%
	Subbituminous	34,154	117	41,860	96	-18.4%	37,203	96	-8.2%
West	Bituminous	4,943	127	5,583	103	-11.5%	5,056	100	-2.2%
	Subbituminous	25,660	111	29,698	108	-13.6%	26,202	100	-2.1%
U.S. Total	Bituminous	41,433	90	56,144	92	-26.2%	48,564	87	-14.7%
	Subbituminous	64,551	108	77,414	99	-16.6%	68,821	94	-6.2%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

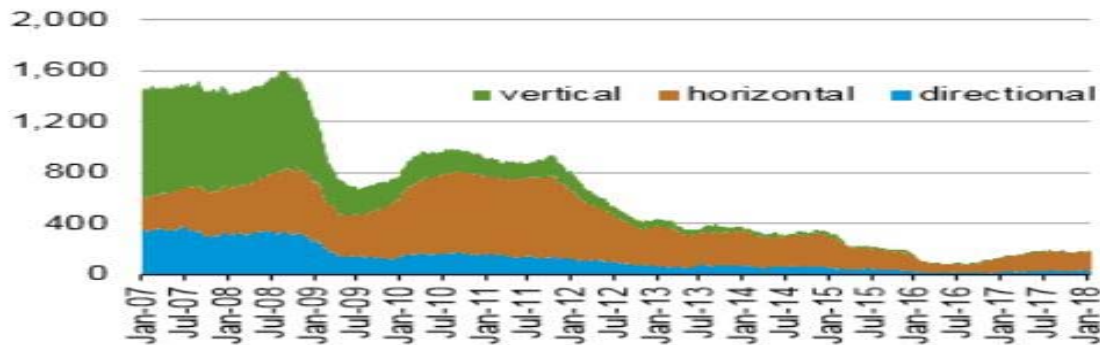
Region	Working gas in underground storage		
	Stocks billion cubic feet (Bcf)		
	2018-03-30	2018-03-23	change
East	229	242	-13
Midwest	266	284	-18
Mountain	87	88	-1
Pacific	166	166	0
South Central	606 C	603	3
Total	1,354 C	1,383	-29

C=Reclassification

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

EIA Natural Gas Rig Count

Weekly natural gas rig count
active rigs



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		
	March 2018	April 2018	change	March 2018	April 2018	change
Anadarko	397	402	5	2,717	2,736	19
Appalachia	146	146	-	15,241	15,441	200
Bakken	1,429	1,454	25	1,732	1,757	25
Eagle Ford	1,345	1,407	62	5,410	5,737	327
Haynesville	24	23	(1)	8,353	8,358	5
Niobrara	1,208	1,225	17	4,397	4,434	37
Permian	635	635	-	1,186	1,186	-
Total	663	673	10	3,752	3,769	17

Source: Energy Information Administration, *Drilling Productivity Report*