

Table 12. Net withdrawals from underground storage, by state, 2016-2018
(million cubic feet)

State	2018							
	October	September	August	July	June	May	April	March
Alabama	-3,424	3,736	3,070	2,879	1,165	-3,590	-2,801	-2,192
Alaska ^a	-743	-1,536	-1,795	-1,862	-1,749	-856	25	1,020
Arkansas	-345	-522	-931	-793	-838	-917	-193	776
California	-72	-12,150	290	8,376	-18,473	-29,083	-18,639	10,696
Colorado	-2,840	-4,713	-5,997	-2,338	-6,154	-6,557	127	4,370
Illinois	-43,260	-42,720	-34,744	-28,754	-29,674	-20,284	7,769	31,354
Indiana	-2,417	-3,720	-4,155	-2,826	-3,023	-1,240	542	3,497
Iowa	-19,964	-19,504	-15,538	-1,673	-1,593	-2,828	1,387	6,081
Kansas	-8,986	-13,872	-13,675	-12,141	-12,300	-12,254	-1,471	9,818
Kentucky	-4,344	-9,599	-4,460	-2,846	-5,514	-10,612	3,827	312
Louisiana	-24,437	-20,246	-4,409	7,158	-17,984	-42,445	7,969	7,193
Maryland	-1,099	-652	-2,598	-2,904	-3,246	-1,661	654	1,983
Michigan	-54,740	-65,317	-74,298	-76,375	-75,997	-75,307	15,716	77,908
Minnesota	-196	-279	-269	-221	-162	6	112	175
Mississippi	-18,359	9,728	11,902	13,724	-1,213	-15,259	-3,445	-2,922
Missouri	-330	-244	25	24	25	-345	321	98
Montana	2,479	-2,451	-4,466	-4,171	-4,023	-4,084	-591	4,348
Nebraska	64	-1,400	-839	-633	-887	-2,061	-472	1
New Mexico	-2,223	-488	1,475	3,751	93	-818	-258	1,785
New York	-4,921	-14,541	-9,405	-6,908	-8,007	-12,164	-952	14,822
Ohio	-7,023	-22,743	-25,825	-25,872	-25,869	-26,345	4,379	27,353
Oklahoma	-14,498	-10,303	-13,480	-5,348	-13,098	-17,878	-6,196	5,470
Oregon	-725	-2,316	431	-1,178	-2,824	-2,644	29	-261
Pennsylvania	-30,599	-54,224	-28,602	-39,628	-46,334	-50,138	858	60,784
Tennessee	23	2	-58	-82	-75	-96	-44	-30
Texas	-35,251	-12,209	28,939	26,147	-22,403	-37,196	-28,408	-15,104
Utah	-2,699	-5,992	-3,631	-4,035	-6,954	-8,576	-1,893	3,257
Virginia	-1,094	-176	214	74	-77	-607	-627	1,485
Washington	53	-2,437	-2,448	1,854	-5,671	-4,561	-2,546	2,206
West Virginia	-7,429	-22,336	-28,124	-29,175	-33,562	-28,088	-6,014	28,590
Wyoming	-1,109	-675	-1,874	-612	-2,225	-4,377	-936	136
Regions								
East Region	-52,163	-114,671	-94,340	-104,413	-117,095	-119,003	-1,702	135,016
South Central Region	-105,300	-43,688	11,415	31,626	-66,671	-129,540	-34,545	3,039
Midwest Region	-125,228	-141,382	-133,497	-112,753	-116,013	-110,705	29,630	119,395
Mountain Region	-6,328	-15,718	-15,332	-8,038	-20,150	-26,473	-4,022	13,898
Pacific Region	-744	-16,903	-1,727	9,052	-26,969	-36,288	-21,156	12,640
Total Lower 48 States	-289,763	-332,362	-233,482	-184,526	-346,898	-422,008	-31,796	283,988
U.S. Total	-290,506	-333,898	-235,277	-186,388	-348,648	-422,865	-31,771	285,008

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2016-2018

(million cubic feet) – continued

State	2018			2017				
	February	January	Total	December	November	October	September	August
Alabama	885	7,522	3,570	2,448	-1,237	-3,630	-561	3,628
Alaska ^a	1,988	2,559	-3,585	1,309	1,622	-476	-1,624	-2,476
Arkansas	616	951	-629	1,220	397	-251	-582	-574
California	25,368	41,978	5,688	37,901	6,223	-4,453	-12,170	1,123
Colorado	9,346	9,686	-309	13,278	-4,315	-582	-6,013	-2,922
Illinois	43,006	64,676	8,410	57,696	-333	-40,165	-41,306	-34,888
Indiana	4,115	5,357	-69	4,827	-1,525	-2,472	-2,352	-2,191
Iowa	9,545	19,932	329	20,539	6,240	-20,082	-19,446	-11,805
Kansas	19,645	23,304	6,142	22,474	-872	-5,986	-5,422	656
Kentucky	8,578	23,235	15,130	15,659	3,170	-10,110	-8,402	-1,317
Louisiana	16,429	95,750	26,198	57,784	-10,494	-13,491	-23,167	3,696
Maryland	2,961	4,492	-1,045	2,079	816	-533	-1,395	-2,626
Michigan	107,038	161,641	47,361	121,334	39,265	-34,646	-52,348	-54,494
Minnesota	290	238	248	298	-9	-232	-242	-244
Mississippi	-12,144	37,691	21,817	29,161	-4,909	-11,495	-17,129	4,913
Missouri	-133	-15	248	864	-210	-217	-432	*
Montana	6,469	7,142	2,360	7,373	3,931	-812	-4,091	-2,393
Nebraska	1,856	3,298	1,266	2,753	-232	-702	-1,206	-564
New Mexico	3,846	4,077	11,752	4,715	1,939	235	241	2,883
New York	15,424	22,793	-3,120	15,467	5,738	-10,854	-13,746	-15,700
Ohio	24,424	42,463	9,594	33,605	16,388	-3,490	-22,590	-24,349
Oklahoma	31,221	37,977	23,004	27,244	3,272	-9,766	-4,340	1,626
Oregon	2,704	3,193	214	5,113	190	-705	-899	-702
Pennsylvania	53,807	90,102	9,738	61,182	20,680	-31,295	-33,239	-47,206
Tennessee	25	104	-45	68	5	-31	-42	11
Texas	36,004	106,822	65,344	84,716	-11,751	-30,361	-16,898	19,068
Utah	9,335	14,371	2,594	12,258	-177	-1,600	-4,342	-1,449
Virginia	-193	-243	912	1,051	-144	-40	-761	-317
Washington	6,762	2,896	1,133	4,053	-191	1,203	-3,610	-2,225
West Virginia	33,907	58,248	-5,627	43,252	13,698	-11,598	-17,030	-24,959
Wyoming	3,444	3,503	5,222	3,028	-1,194	1,188	-1,390	172
Regions								
East Region	130,329	217,855	10,452	156,637	57,175	-57,810	-88,761	-115,156
South Central Region	92,655	310,017	145,446	225,046	-25,593	-74,980	-68,100	33,012
Midwest Region	172,464	275,168	71,612	221,285	46,603	-107,955	-124,569	-104,928
Mountain Region	34,295	42,077	22,884	43,405	-48	-2,273	-16,801	-4,273
Pacific Region	34,834	48,067	7,035	47,067	6,222	-3,956	-16,679	-1,804
Total Lower 48 States	464,577	893,183	257,429	693,440	84,358	-246,975	-314,911	-193,148
U.S. Total	466,564	895,742	253,844	694,748	85,980	-247,451	-316,535	-195,625

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2016-2018

(million cubic feet) – continued

State	2017							2016
	July	June	May	April	March	February	January	Total
Alabama	3,386	498	169	-1,292	1,420	-1,005	-254	1,019
Alaska ^a	-2,424	-2,108	-1,525	-1,076	1,572	1,409	2,213	-8,322
Arkansas	-647	-581	-595	-272	772	66	418	-1,666
California	-6,826	-13,935	-23,446	-16,167	-17,258	4,300	50,395	39,603
Colorado	-5,245	-5,660	-4,519	-1,374	1,199	4,859	10,983	-4,606
Illinois	-25,184	-32,389	-17,012	4,438	35,264	42,917	59,371	5,282
Indiana	-2,486	-2,782	-1,664	-501	2,040	3,067	5,972	3,478
Iowa	-1,696	-1,917	-1,579	1,288	5,165	8,052	15,571	6,414
Kansas	-2,088	-4,611	-14,016	-10,252	5,246	2,192	18,823	8,377
Kentucky	5,583	1,693	-8,818	-12,511	5,772	7,787	16,622	9,205
Louisiana	1,075	-5,251	-19,393	-22,014	22,982	11,892	22,579	39,572
Maryland	-2,873	-2,241	-3,128	-280	3,170	2,048	3,915	2,916
Michigan	-38,760	-57,334	-55,198	-39,909	63,573	47,176	108,702	57,601
Minnesota	-220	-190	-63	36	342	450	321	38
Mississippi	14,979	-476	-3,259	-8,395	6,585	1,802	10,041	26,635
Missouri	0	*	0	*	100	-20	163	-156
Montana	-3,558	-4,182	-4,160	-2,002	1,137	4,042	7,075	-7,364
Nebraska	-935	182	-1,017	-979	-287	1,408	2,844	785
New Mexico	1,623	68	-1,257	-1,704	-2,779	1,321	4,466	669
New York	-8,367	-12,765	-7,272	-5,894	17,047	12,369	20,857	19,233
Ohio	-26,059	-26,200	-18,721	-5,818	27,859	22,619	36,350	17,390
Oklahoma	1,039	-10,437	-13,581	-4,742	-5,893	3,193	35,389	11,957
Oregon	-545	-1,472	-3,170	-336	-2,364	606	4,500	1,381
Pennsylvania	-37,135	-46,732	-51,111	-33,170	70,898	54,306	82,560	68,344
Tennessee	8	-41	-32	-29	-5	14	31	-66
Texas	18,244	-15,267	-37,200	-30,805	1,147	6,329	78,122	38,656
Utah	-3,718	-5,162	-7,294	-2,628	-518	5,334	11,889	-1,208
Virginia	349	45	-513	-310	689	685	180	189
Washington	329	-2,739	-5,577	-2,596	1,556	4,022	6,908	-2,216
West Virginia	-26,009	-26,523	-33,844	-30,240	27,775	29,958	49,893	22,407
Wyoming	-1,694	-2,290	-1,936	-632	234	1,737	8,000	-7,349
Regions								
East Region	-100,093	-114,416	-114,589	-75,713	147,438	121,986	193,754	130,479
South Central Region	35,989	-36,126	-87,874	-77,772	32,259	24,469	165,118	124,549
Midwest Region	-62,755	-92,960	-84,366	-47,188	112,250	109,443	206,754	81,797
Mountain Region	-13,527	-17,044	-20,183	-9,318	-1,014	18,701	45,258	-19,074
Pacific Region	-7,041	-18,145	-32,194	-19,099	-18,066	8,927	61,803	38,769
Total Lower 48 States	-147,426	-278,691	-339,205	-229,091	272,867	283,526	672,686	356,520
U.S. Total	-149,850	-280,799	-340,730	-230,167	274,439	284,935	674,900	348,198

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2016-2018

(million cubic feet) – continued

State	2016							
	December	November	October	September	August	July	June	May
Alabama	3,462	-2,161	-5,368	-597	2,250	3,115	1,486	-1,536
Alaska ^a	1,789	872	139	-1,321	-1,997	-1,976	-1,468	-1,957
Arkansas	739	-86	-152	-318	-564	-517	-724	-801
California	43,736	1,937	-8,590	-3,383	4,248	769	-7,766	-16,700
Colorado	11,693	-1,452	-7,324	-5,111	-3,745	-4,892	-5,512	-5,498
Illinois	53,639	623	-37,807	-41,363	-33,535	-28,440	-32,072	-26,284
Indiana	4,712	-1,533	-2,257	-2,199	-1,850	-1,850	-2,226	-2,905
Iowa	22,217	5,150	-18,715	-18,041	-14,078	-1,925	-2,856	-2,349
Kansas	21,467	876	-5,573	-8,157	-2,098	-7,378	-4,701	-13,272
Kentucky	16,756	51	-4,545	-4,548	-128	-2,707	-2,776	-8,262
Louisiana	42,587	-3,970	-51,370	-11,031	18,506	16,049	-2,585	-11,540
Maryland	2,604	893	133	-150	-1,397	-1,133	-3,022	-1,671
Michigan	108,495	17,034	-27,683	-54,745	-36,754	-35,799	-52,688	-65,480
Minnesota	44	14	-104	-197	-228	-205	-174	-76
Mississippi	24,501	1,560	-24,918	-3,355	2,651	7,130	1,758	-7,184
Missouri	365	-210	-405	-290	*	0	0	0
Montana	8,305	2,401	-782	-2,191	-3,465	-3,260	-4,908	-5,202
Nebraska	2,171	721	-1,221	-1,132	-90	-151	-16	-1,099
New Mexico	4,345	-1,195	-1,530	75	167	659	-391	-1,615
New York	20,132	4,697	-7,006	-12,209	-3,017	-3,467	-6,284	-11,257
Ohio	41,276	14,460	-10,323	-22,602	-23,658	-25,774	-26,258	-21,537
Oklahoma	30,817	-5,705	-11,783	-2,082	1,055	-3,398	-3,069	-15,348
Oregon	5,032	406	-1,086	-266	-16	-887	-511	-2,228
Pennsylvania	70,114	10,492	-16,859	-43,300	-18,752	-21,094	-36,463	-32,012
Tennessee	71	-14	-34	2	2	3	-38	-27
Texas	65,863	-17,919	-50,646	112	21,348	18,530	7,624	-29,546
Utah	12,286	-466	-1,542	-3,455	-2,871	-2,671	-4,887	-7,374
Virginia	212	-211	-163	-185	-504	73	-46	-242
Washington	3,465	448	-109	-3,266	-2,091	-788	-1,834	-4,392
West Virginia	44,092	10,686	-7,057	-15,425	-22,388	-29,308	-25,938	-27,301
Wyoming	8,555	-3,105	-3,717	-1,656	-769	-1,773	-3,980	-3,858
Regions								
East Region	178,429	41,017	-41,275	-93,871	-69,715	-80,704	-98,011	-94,019
South Central Region	189,436	-27,405	-149,809	-25,428	43,149	33,529	-212	-79,227
Midwest Region	206,299	21,114	-91,550	-121,381	-86,571	-70,923	-92,831	-105,382
Mountain Region	47,355	-3,096	-16,117	-13,469	-10,773	-12,088	-19,694	-24,646
Pacific Region	52,233	2,790	-9,785	-6,916	2,142	-906	-10,112	-23,319
Total Lower 48 States	673,752	34,420	-308,536	-261,066	-121,769	-131,091	-220,859	-326,593
U.S. Total	675,541	35,292	-308,397	-262,387	-123,765	-133,067	-222,328	-328,551

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2016-2018
(million cubic feet) – continued

State	2016			
	April	March	February	January
Alabama	-3,383	-323	-713	4,787
Alaska ^a	-1,441	-451	-459	-50
Arkansas	-444	438	328	434
California	-17,261	-4,805	7,203	40,217
Colorado	1,334	3,688	2,412	9,800
Illinois	4,551	26,092	50,274	69,604
Indiana	527	1,694	5,259	6,106
Iowa	2,150	4,762	10,674	19,427
Kansas	-7,171	-4,070	11,913	26,541
Kentucky	-16,117	2,150	9,656	19,675
Louisiana	-20,296	-14,011	21,175	56,058
Maryland	716	-342	2,294	3,991
Michigan	-13,874	30,025	80,654	108,415
Minnesota	7	515	127	315
Mississippi	-6,394	-12,187	6,944	36,129
Missouri	0	119	-168	433
Montana	-3,943	-770	2,057	4,394
Nebraska	-630	-103	549	1,788
New Mexico	-1,170	-1,658	1,413	1,568
New York	-1,560	2,483	14,571	22,150
Ohio	-5,040	17,603	32,160	47,082
Oklahoma	-9,402	-5,923	10,070	26,725
Oregon	-1,027	-362	481	1,845
Pennsylvania	-5,601	11,919	62,426	87,473
Tennessee	-17	-32	-6	25
Texas	-38,115	-19,445	24,128	56,721
Utah	-814	-1,928	3,685	8,830
Virginia	-508	135	17	1,612
Washington	-2,918	1,935	5,854	1,480
West Virginia	-14,249	11,571	35,666	62,059
Wyoming	-2,386	-139	2,448	3,031
Regions				
East Region	-26,242	43,370	147,134	224,367
South Central Region	-85,205	-55,521	73,846	207,396
Midwest Region	-22,774	65,327	156,470	224,000
Mountain Region	-7,610	-910	12,562	29,411
Pacific Region	-21,206	-3,232	13,538	43,542
Total Lower 48 States	-163,038	49,034	403,550	728,716
U.S. Total	-164,479	48,583	403,091	728,666

^a Alaska data are not included in the regions' totals or the lower 48 states total.

* Volume is less than 500 Mcf.

Notes: This table contains total net withdrawals for each of the states with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. EIA publishes weekly estimates of working gas in underground storage by geographical region; in November 2015, region breakouts were revised from three regions to five. See Explanatory Note 5 in Appendix A for a list of the new regions shown in this table and the states included in each.

Source: U.S. Energy Information Administration (EIA): Form EIA-191, "Monthly Underground Gas Storage Report."