

Table 12. Net withdrawals from underground storage, by state, 2014-2016
(million cubic feet)

State	2016							
	November	October	September	August	July	June	May	April
Alabama	-2,161	-5,368	-597	2,250	3,115	1,486	-1,536	-3,383
Alaska ^a	872	139	-1,321	-1,997	-1,976	-1,468	-1,957	-1,441
Arkansas	-107	-152	-318	-564	-517	-724	-801	-444
California	1,937	-8,590	-3,383	4,248	769	-7,766	-16,700	-17,261
Colorado	-1,452	-7,324	-5,271	-4,075	-5,222	-5,842	-5,548	1,334
Illinois	623	-37,807	-41,363	-33,535	-28,440	-32,072	-26,284	4,551
Indiana	-1,533	-2,257	-2,199	-1,850	-1,850	-2,226	-2,905	527
Iowa	5,150	-18,715	-18,041	-14,078	-1,925	-2,856	-2,349	2,150
Kansas	876	-5,577	-8,157	-2,098	-7,378	-4,701	-13,272	-7,167
Kentucky	51	-4,545	-4,548	-128	-2,707	-2,776	-8,262	-16,117
Louisiana	-3,818	-51,370	-11,031	18,506	16,049	-2,585	-11,540	-20,296
Maryland	893	133	-150	-1,397	-1,133	-3,022	-1,671	716
Michigan	17,030	-27,683	-54,745	-36,754	-35,799	-52,688	-65,480	-13,874
Minnesota	14	-104	-197	-228	-205	-174	-76	7
Mississippi	1,560	-24,918	-3,355	2,651	7,130	1,758	-6,684	-6,394
Missouri	-210	-405	-290	*	0	0	0	0
Montana	2,401	-782	-2,191	-3,465	-3,260	-4,908	-5,202	-3,943
Nebraska	721	-1,175	-1,132	-90	-151	-16	-1,099	-630
New Mexico	-1,195	-1,530	75	167	659	-391	-1,615	-1,170
New York	4,697	-7,006	-12,209	-3,017	-3,467	-7,422	-11,246	-1,571
Ohio	14,460	-10,323	-22,602	-23,658	-25,774	-26,258	-21,537	-5,040
Oklahoma	-5,705	-12,220	-2,082	1,055	-3,398	-3,069	-15,348	-9,402
Oregon	406	-1,086	-266	-16	-887	-511	-1,218	-1,027
Pennsylvania	10,492	-16,859	-43,300	-18,752	-21,094	-36,463	-32,012	-5,601
Tennessee	-14	-34	2	2	3	-38	-27	-17
Texas	-17,996	-50,646	112	21,278	18,530	7,624	-29,546	-38,115
Utah	-466	-1,542	-3,455	-2,871	-2,671	-4,887	-7,374	-814
Virginia	-211	-163	-185	-504	73	-46	-242	-508
Washington	448	-109	-3,266	-2,091	-788	-1,834	-4,392	-2,918
West Virginia	10,717	-7,057	-15,425	-22,388	-29,279	-25,941	-27,290	-14,238
Wyoming	-3,105	-3,717	-1,656	-769	-1,773	-3,980	-3,858	-2,386
Regions								
East Region	41,048	-41,275	-93,871	-69,715	-80,674	-99,152	-93,997	-26,243
South Central Region	-27,350	-150,250	-25,428	43,079	33,529	-212	-78,727	-85,201
Midwest Region	21,111	-91,550	-121,381	-86,571	-70,923	-92,831	-105,382	-22,774
Mountain Region	-3,096	-16,070	-13,629	-11,103	-12,418	-20,024	-24,696	-7,610
Pacific Region	2,790	-9,785	-6,916	2,142	-906	-10,112	-22,310	-21,206
Total Lower 48 States	34,503	-308,930	-261,226	-122,169	-131,391	-222,330	-325,112	-163,034
U.S. Total	35,375	-308,791	-262,547	-124,165	-133,368	-223,799	-327,069	-164,475

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2014-2016

(million cubic feet) – continued

State	2016				2015			
	March	February	January	Total	December	November	October	September
Alabama	-323	-713	4,787	-3,817	-249	-1,217	-415	-2,416
Alaska ^a	-451	-459	-50	782	140	197	-52	92
Arkansas	438	328	434	-1,046	-127	-283	-212	-141
California	-4,805	7,203	40,217	-2,698	44,087	5,699	-18,709	-6,577
Colorado	3,688	2,412	9,800	-5,930	9,420	1,802	-4,141	-5,250
Illinois	26,092	50,274	69,604	-10,603	45,715	-1,164	-36,756	-37,238
Indiana	1,694	5,259	6,106	-4,411	1,569	-1,236	-2,047	-3,878
Iowa	4,762	10,674	19,427	-4,955	16,556	4,637	-14,124	-16,136
Kansas	-4,070	11,913	26,541	-11,154	11,377	7,836	-5,912	-14,045
Kentucky	2,150	9,656	19,675	-17,554	7,953	-1,730	-9,465	-7,783
Louisiana	-14,011	21,175	56,058	-88,237	8,860	-15,244	-40,257	-33,722
Maryland	-342	2,294	3,991	-1,304	517	490	-262	-372
Michigan	30,025	80,654	108,415	-87,722	30,889	3,499	-60,050	-75,170
Minnesota	515	127	315	-78	10	-149	-262	-219
Mississippi	-12,187	6,944	36,129	-27,879	-723	-4,892	-14,206	-16,234
Missouri	119	-168	433	-586	28	-212	-268	-581
Montana	-770	2,057	4,394	-3,197	3,620	2,456	-1,050	-2,101
Nebraska	-103	549	1,788	-786	979	212	-1,193	-1,296
New Mexico	-1,658	1,413	1,568	-19,897	-616	-2,132	-2,258	-1,275
New York	4,660	14,573	21,931	-15,923	2,020	7	-6,129	-8,376
Ohio	17,603	32,160	47,082	-33,025	19,441	7,717	-11,308	-22,886
Oklahoma	-5,923	10,070	26,725	-32,397	8,250	3,951	-13,483	-8,189
Oregon	-362	481	1,845	474	2,338	1,139	-1,330	-1,482
Pennsylvania	20,011	62,426	87,473	-41,111	11,466	-6,135	-31,589	-38,785
Tennessee	-32	-6	25	-453	-54	-102	-93	-64
Texas	-19,445	24,128	56,721	-91,530	6,424	-2,086	-41,913	-35,276
Utah	-1,928	3,685	8,830	-8,073	6,185	3,131	-1,402	-4,323
Virginia	135	17	1,612	-468	48	-270	-545	-623
Washington	1,935	5,854	1,480	4,545	2,710	3,788	-792	-2,976
West Virginia	11,571	35,666	62,059	-28,151	23,857	2,855	-9,191	-22,829
Wyoming	-139	2,448	3,031	-1,237	1,646	-255	-1,419	-1,866
Regions								
East Region	53,638	147,136	224,148	-119,981	57,349	4,664	-59,024	-93,873
South Central Region	-55,521	73,846	207,396	-256,060	33,813	-11,936	-116,399	-110,024
Midwest Region	65,327	156,470	224,000	-126,362	102,665	3,543	-123,064	-141,069
Mountain Region	-910	12,562	29,411	-39,121	21,235	5,213	-11,462	-16,112
Pacific Region	-3,232	13,538	43,542	2,322	49,135	10,625	-20,831	-11,035
Total Lower 48 States	59,302	403,552	728,497	-539,203	264,197	12,109	-330,780	-372,112
U.S. Total	58,851	403,093	728,447	-538,421	264,337	12,306	-330,832	-372,021

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2014-2016

(million cubic feet) – continued

State	2015							
	August	July	June	May	April	March	February	January
Alabama	1,057	-971	-734	-5,684	-6,159	-243	8,440	4,774
Alaska ^a	-108	-171	-78	-71	219	235	185	194
Arkansas	-403	-437	-357	-411	91	234	567	431
California	1,758	-8,522	-10,336	-25,451	-16,467	-4,345	-2,750	38,916
Colorado	-5,181	-5,048	-6,817	-5,045	1,888	920	5,579	5,942
Illinois	-34,172	-32,685	-29,520	-28,714	1,105	21,193	58,104	63,529
Indiana	-3,494	-2,687	-2,942	-2,903	-294	2,709	5,238	5,552
Iowa	-13,614	-2,563	-6,962	-5,355	541	6,384	11,129	14,550
Kansas	-9,249	-16,737	-11,868	-13,935	-2,777	-721	26,416	18,461
Kentucky	-6,294	-5,729	-5,537	-9,947	-14,941	2,284	20,181	13,454
Louisiana	-20,717	-17,892	-16,431	-36,612	-45,037	-1,990	73,436	57,369
Maryland	-2,786	-2,440	-2,577	-2,522	-254	970	4,876	3,057
Michigan	-81,284	-74,938	-82,493	-82,150	-42,975	61,590	176,480	138,879
Minnesota	-202	-176	-37	6	6	351	255	337
Mississippi	-4,313	-1,700	-11,013	-21,243	-30,471	371	40,415	36,131
Missouri	0	0	*	0	0	-976	1,273	151
Montana	-3,445	-3,385	-3,128	-2,545	-1,350	-172	3,314	4,588
Nebraska	-965	-77	-1,343	-1,121	-417	669	1,778	1,989
New Mexico	-1,429	-1,726	-1,306	-2,874	-2,771	-2,404	-1,237	131
New York	-8,289	-9,553	-15,297	-12,852	-4,764	12,169	17,191	17,951
Ohio	-27,651	-25,160	-26,651	-31,413	-14,797	19,170	37,546	42,969
Oklahoma	-6,183	-8,740	-17,758	-30,908	-22,563	1,625	31,015	30,588
Oregon	-685	2	-374	-2,416	116	-732	688	3,212
Pennsylvania	-35,179	-24,593	-51,105	-62,659	-27,319	48,329	92,652	83,807
Tennessee	-59	-60	-49	-53	-48	-10	96	42
Texas	-6,397	-1,462	-23,854	-64,583	-68,034	4,146	75,241	66,265
Utah	-3,183	-5,792	-5,110	-6,367	-512	-197	3,249	6,246
Virginia	-508	-87	-509	-600	793	-1,256	1,821	1,268
Washington	-4,747	278	122	-4,285	-1,199	2,520	4,712	4,416
West Virginia	-30,326	-28,865	-25,786	-33,369	-23,204	19,424	41,243	58,043
Wyoming	-1,115	-1,186	-1,715	-1,151	308	1,217	2,397	1,901
Regions								
East Region	-104,740	-90,699	-121,926	-143,415	-69,546	98,805	195,328	207,094
South Central Region	-46,205	-47,939	-82,015	-173,376	-174,950	3,421	255,529	214,020
Midwest Region	-139,118	-118,838	-127,539	-129,116	-56,605	93,527	272,757	236,494
Mountain Region	-15,317	-17,214	-19,419	-19,103	-2,853	34	15,081	20,797
Pacific Region	-3,674	-8,243	-10,588	-32,152	-17,550	-2,557	2,649	46,544
Total Lower 48 States	-309,054	-282,933	-361,486	-497,162	-321,505	193,230	741,344	724,949
U.S. Total	-309,162	-283,104	-361,564	-497,234	-321,286	193,465	741,529	725,144

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2014-2016

(million cubic feet) – continued

State								2014
	Total	December	November	October	September	August	July	June
Alabama	-5,603	-1,346	321	-3,227	-761	492	-38	-420
Alaska ^a	-5,152	-733	-558	106	-564	-697	-256	-1,546
Arkansas	468	187	259	-12	-166	-396	-422	-450
California	-45,335	14,741	2,894	-27,183	-12,319	-22,052	-20,946	-41,166
Colorado	-1,818	9,314	2,970	-3,960	-6,177	-6,161	-7,622	-7,111
Illinois	-10,730	50,911	11,226	-38,767	-38,887	-39,186	-35,418	-35,170
Indiana	-841	2,764	207	-2,561	-3,451	-3,655	-3,103	-3,175
Iowa	-7,424	15,333	9,991	-11,564	-16,589	-16,826	-8,737	-7,981
Kansas	-15,614	8,640	11,740	-9,250	-12,602	-7,892	-15,372	-12,785
Kentucky	-5,015	1,712	2,549	-11,752	-9,008	-9,946	-9,214	-9,743
Louisiana	21,565	11,447	7,202	-49,804	-37,896	-26,081	-35,789	-30,151
Maryland	556	596	2,764	-1,919	-1,591	14	-2,308	-3,179
Michigan	-75,432	47,328	51,226	-45,756	-78,777	-92,472	-97,216	-97,918
Minnesota	-364	97	-107	-294	-223	-269	-247	-225
Mississippi	-35,561	-4,655	-2,348	-14,920	-13,380	331	-7,067	-16,132
Missouri	-1,253	135	-314	-312	-257	-777	0	0
Montana	16,007	3,346	3,688	-1,742	-1,952	-2,072	-2,852	-2,151
Nebraska	-278	888	719	-574	-2,299	-1,907	-1,589	-1,809
New Mexico	7,015	440	-200	-2,469	-41	1,099	401	-2,165
New York	-4,857	5,228	7,036	-11,131	-14,041	-15,669	-13,780	-11,399
Ohio	-6,127	23,765	18,676	-15,873	-25,383	-22,667	-22,917	-28,204
Oklahoma	-6,811	15,204	7,444	-24,105	-15,412	-10,561	-10,836	-16,051
Oregon	-3,318	1,267	1,993	-505	-1,425	-1,897	-3,056	-4,133
Pennsylvania	-41,556	29,332	16,036	-39,656	-50,233	-44,335	-38,363	-55,862
Tennessee	0	0	0	0	0	0	0	0
Texas	-19,539	10,548	-17,967	-60,721	-44,441	-11,235	-22,245	-33,940
Utah	-1,155	7,368	4,621	-1,973	-5,125	-5,742	-7,678	-7,760
Virginia	6	158	176	-638	-848	183	-282	167
Washington	-3,458	676	1,577	-223	-1,524	-4,077	-1,529	-3,418
West Virginia	-765	30,123	16,358	-17,465	-24,144	-25,969	-28,904	-27,051
Wyoming	-569	1,586	831	-2,049	-2,016	-3,075	-2,118	-1,709
Regions								
East Region	-52,743	89,203	61,045	-86,683	-116,239	-108,445	-106,553	-125,529
South Central Region	-61,096	40,026	6,651	-162,037	-124,657	-55,342	-91,771	-109,928
Midwest Region	-101,059	118,280	74,778	-111,005	-147,193	-163,132	-153,935	-154,212
Mountain Region	19,202	22,941	12,630	-12,768	-17,611	-17,858	-21,457	-22,706
Pacific Region	-52,112	16,684	6,464	-27,912	-15,268	-28,027	-25,531	-48,717
Total Lower 48 States	-247,806	287,134	161,568	-400,405	-420,968	-372,803	-399,247	-461,091
U.S. Total	-252,958	286,401	161,011	-400,299	-421,532	-373,501	-399,503	-462,637

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2014-2016
(million cubic feet) – continued

State	2014				
	May	April	March	February	January
Alabama	-5,110	-5,260	61	3,236	6,448
Alaska ^a	-263	-701	-197	559	-301
Arkansas	-450	248	416	707	546
California	-48,253	-37,379	7,619	74,988	63,722
Colorado	-3,848	-381	4,485	8,422	8,251
Illinois	-29,654	-1,578	23,881	49,721	72,190
Indiana	-2,745	-297	2,106	5,517	7,553
Iowa	-7,521	1,171	5,913	10,432	18,955
Kansas	-4,659	-3,998	1,135	11,044	18,383
Kentucky	-8,340	-4,574	12,228	16,687	24,386
Louisiana	-29,849	-16,457	47,174	64,290	117,479
Maryland	-3,611	-979	1,843	3,686	5,240
Michigan	-85,403	-36,504	58,301	129,459	172,300
Minnesota	-184	104	240	284	461
Mississippi	-28,960	-23,328	7,170	19,014	48,713
Missouri	*	-5	1	58	218
Montana	-2,124	1,805	5,696	7,344	7,020
Nebraska	-94	761	498	2,400	2,728
New Mexico	-1,792	-399	2,453	5,131	4,559
New York	-6,000	-1,276	14,829	17,329	24,017
Ohio	-27,166	-9,245	19,863	32,485	50,540
Oklahoma	-19,840	-10,928	14,326	29,979	33,969
Oregon	-3,018	-36	102	2,637	4,752
Pennsylvania	-63,219	-26,488	46,657	88,267	96,309
Tennessee	0	0	0	0	0
Texas	-44,996	-30,409	44,718	89,138	102,009
Utah	-8,156	224	4,590	8,588	9,887
Virginia	-573	-449	199	-293	2,208
Washington	-5,031	-2,089	2,671	5,288	4,221
West Virginia	-35,829	-8,421	22,841	38,330	59,366
Wyoming	-953	-575	1,635	3,435	4,440
Regions					
East Region	-136,399	-46,858	106,232	179,804	237,678
South Central Region	-133,863	-90,131	115,000	217,408	327,547
Midwest Region	-133,848	-41,683	102,669	212,159	296,063
Mountain Region	-16,967	1,434	19,358	35,320	36,887
Pacific Region	-56,302	-39,504	10,393	82,912	72,695
Total Lower 48 States	-477,379	-216,741	353,651	727,603	970,871
U.S. Total	-477,641	-217,441	353,454	728,162	970,569

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

* Volume is less than 500,000 cubic feet.

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