

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

State	2016							
	October	September	August	July	June	May	April	March
Alabama	-5,368	-597	2,250	3,115	1,486	-1,536	-3,383	-323
Alaska <sup>a</sup>	139	-1,321	-1,997	-1,976	-1,468	-1,957	-1,441	-451
Arkansas	-152	-318	-564	-517	-724	-801	-444	438
California	-8,590	-3,383	4,248	769	-7,766	-16,700	-17,261	-4,805
Colorado	-7,324	-5,271	-4,075	-5,222	-5,842	-5,548	1,334	3,688
Illinois	-37,807	-41,363	-33,535	-28,440	-32,072	-26,284	4,551	26,092
Indiana	-2,257	-2,199	-1,850	-1,850	-2,226	-2,905	527	1,694
Iowa	-18,715	-18,041	-14,078	-1,925	-2,856	-2,349	2,150	4,762
Kansas	-5,577	-8,157	-2,098	-7,378	-4,701	-13,272	-7,167	-4,070
Kentucky	-4,545	-4,548	-128	-2,707	-2,776	-8,262	-16,117	2,150
Louisiana	-51,370	-11,031	18,506	16,049	-2,585	-11,540	-20,296	-14,011
Maryland	133	-150	-1,397	-1,133	-3,022	-1,671	716	-342
Michigan	-27,683	R-54,745	-36,754	-35,799	-52,688	-65,480	-13,874	30,025
Minnesota	-104	-197	-228	-205	-174	-76	7	515
Mississippi	-24,918	-3,355	2,651	7,130	1,758	-6,684	-6,394	-12,187
Missouri	-405	-290	*	0	0	0	0	119
Montana	-782	-2,191	-3,465	-3,260	-4,908	-5,202	-3,943	-770
Nebraska	-1,175	-1,132	-90	-151	-16	-1,099	-630	-103
New Mexico	-1,530	75	167	659	-391	-1,615	-1,170	-1,658
New York	-7,006	-12,209	-3,017	-3,467	-7,422	-11,246	-1,571	4,660
Ohio	-10,323	-22,602	-23,658	-25,774	-26,258	-21,537	-5,040	17,603
Oklahoma	-12,220	-2,082	1,055	-3,398	-3,069	-15,348	-9,402	-5,923
Oregon	-1,086	-266	-16	-887	-511	-1,218	-1,027	-362
Pennsylvania	-16,859	-43,300	-18,752	-21,094	-36,463	-32,012	-5,601	20,011
Tennessee	-34	2	2	3	-38	-27	-17	-32
Texas	-50,646	112	21,278	18,530	7,624	-29,546	-38,115	-19,445
Utah	-1,542	-3,455	-2,871	-2,671	-4,887	-7,374	-814	-1,928
Virginia	-163	-185	-504	73	-46	-242	-508	135
Washington	-109	-3,266	-2,091	-788	-1,834	-4,392	-2,918	1,935
West Virginia	-7,057	-15,425	-22,388	-29,279	-25,941	-27,290	-14,238	11,571
Wyoming	-3,717	-1,656	-769	-1,773	-3,980	-3,858	-2,386	-139
<b>Regions</b>								
East Region	-41,275	-93,871	-69,715	-80,674	-99,152	-93,997	-26,243	53,638
South Central Region	-150,250	-25,428	43,079	33,529	-212	-78,727	-85,201	-55,521
Midwest Region	-91,550	R-121,381	-86,571	-70,923	-92,831	-105,382	-22,774	65,327
Mountain Region	-16,070	-13,629	-11,103	-12,418	-20,024	-24,696	-7,610	-910
Pacific Region	-9,785	-6,916	2,142	-906	-10,112	-22,310	-21,206	-3,232
<b>Total Lower 48 States</b>	<b>-308,930</b>	<b>R-261,226</b>	<b>-122,169</b>	<b>-131,391</b>	<b>-222,330</b>	<b>-325,112</b>	<b>-163,034</b>	<b>59,302</b>
<b>U.S. Total</b>	<b>-308,791</b>	<b>R-262,547</b>	<b>-124,165</b>	<b>-133,368</b>	<b>-223,799</b>	<b>-327,069</b>	<b>-164,475</b>	<b>58,851</b>

See footnotes at end of table.

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

(million cubic feet) – continued

State	2016				2015			
	February	January	Total	December	November	October	September	August
Alabama	-713	4,787	-3,817	-249	-1,217	-415	-2,416	1,057
Alaska <sup>a</sup>	-459	-50	782	140	197	-52	92	-108
Arkansas	328	434	-1,046	-127	-283	-212	-141	-403
California	7,203	40,217	-2,698	44,087	5,699	-18,709	-6,577	1,758
Colorado	2,412	9,800	-5,930	9,420	1,802	-4,141	-5,250	-5,181
Illinois	50,274	69,604	-10,603	45,715	-1,164	-36,756	-37,238	-34,172
Indiana	5,259	6,106	-4,411	1,569	-1,236	-2,047	-3,878	-3,494
Iowa	10,674	19,427	-4,955	16,556	4,637	-14,124	-16,136	-13,614
Kansas	11,913	26,541	-11,154	11,377	7,836	-5,912	-14,045	-9,249
Kentucky	9,656	19,675	-17,554	7,953	-1,730	-9,465	-7,783	-6,294
Louisiana	21,175	56,058	-88,237	8,860	-15,244	-40,257	-33,722	-20,717
Maryland	2,294	3,991	-1,304	517	490	-262	-372	-2,786
Michigan	80,654	108,415	-87,722	30,889	3,499	-60,050	-75,170	-81,284
Minnesota	127	315	-78	10	-149	-262	-219	-202
Mississippi	6,944	36,129	-27,879	-723	-4,892	-14,206	-16,234	-4,313
Missouri	-168	433	-586	28	-212	-268	-581	0
Montana	2,057	4,394	-3,197	3,620	2,456	-1,050	-2,101	-3,445
Nebraska	549	1,788	-786	979	212	-1,193	-1,296	-965
New Mexico	1,413	1,568	-19,897	-616	-2,132	-2,258	-1,275	-1,429
New York	14,573	21,931	-15,923	2,020	7	-6,129	-8,376	-8,289
Ohio	32,160	47,082	-33,025	19,441	7,717	-11,308	-22,886	-27,651
Oklahoma	10,070	26,725	-32,397	8,250	3,951	-13,483	-8,189	-6,183
Oregon	481	1,845	474	2,338	1,139	-1,330	-1,482	-685
Pennsylvania	62,426	87,473	-41,111	11,466	-6,135	-31,589	-38,785	-35,179
Tennessee	-6	25	-453	-54	-102	-93	-64	-59
Texas	24,128	56,721	-91,530	6,424	-2,086	-41,913	-35,276	-6,397
Utah	3,685	8,830	-8,073	6,185	3,131	-1,402	-4,323	-3,183
Virginia	17	1,612	-468	48	-270	-545	-623	-508
Washington	5,854	1,480	4,545	2,710	3,788	-792	-2,976	-4,747
West Virginia	35,666	62,059	-28,151	23,857	2,855	-9,191	-22,829	-30,326
Wyoming	2,448	3,031	-1,237	1,646	-255	-1,419	-1,866	-1,115
<b>Regions</b>								
East Region	147,136	224,148	-119,981	57,349	4,664	-59,024	-93,873	-104,740
South Central Region	73,846	207,396	-256,060	33,813	-11,936	-116,399	-110,024	-46,205
Midwest Region	156,470	224,000	-126,362	102,665	3,543	-123,064	-141,069	-139,118
Mountain Region	12,562	29,411	-39,121	21,235	5,213	-11,462	-16,112	-15,317
Pacific Region	13,538	43,542	2,322	49,135	10,625	-20,831	-11,035	-3,674
<b>Total Lower 48 States</b>	<b>403,552</b>	<b>728,497</b>	<b>-539,203</b>	<b>264,197</b>	<b>12,109</b>	<b>-330,780</b>	<b>-372,112</b>	<b>-309,054</b>
<b>U.S. Total</b>	<b>403,093</b>	<b>728,447</b>	<b>-538,421</b>	<b>264,337</b>	<b>12,306</b>	<b>-330,832</b>	<b>-372,021</b>	<b>-309,162</b>

See footnotes at end of table.

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

(million cubic feet) – continued

State	2015							2014
	July	June	May	April	March	February	January	Total
Alabama	-971	-734	-5,684	-6,159	-243	8,440	4,774	-5,603
Alaska <sup>a</sup>	-171	-78	-71	219	235	185	194	-5,152
Arkansas	-437	-357	-411	91	234	567	431	468
California	-8,522	-10,336	-25,451	-16,467	-4,345	-2,750	38,916	-45,335
Colorado	-5,048	-6,817	-5,045	1,888	920	5,579	5,942	-1,818
Illinois	-32,685	-29,520	-28,714	1,105	21,193	58,104	63,529	-10,730
Indiana	-2,687	-2,942	-2,903	-294	2,709	5,238	5,552	-841
Iowa	-2,563	-6,962	-5,355	541	6,384	11,129	14,550	-7,424
Kansas	-16,737	-11,868	-13,935	-2,777	-721	26,416	18,461	-15,614
Kentucky	-5,729	-5,537	-9,947	-14,941	2,284	20,181	13,454	-5,015
Louisiana	-17,892	-16,431	-36,612	-45,037	-1,990	73,436	57,369	21,565
Maryland	-2,440	-2,577	-2,522	-254	970	4,876	3,057	556
Michigan	-74,938	-82,493	-82,150	-42,975	61,590	176,480	138,879	-75,432
Minnesota	-176	-37	6	6	351	255	337	-364
Mississippi	-1,700	-11,013	-21,243	-30,471	371	40,415	36,131	-35,561
Missouri	0	*	0	0	-976	1,273	151	-1,253
Montana	-3,385	-3,128	-2,545	-1,350	-172	3,314	4,588	16,007
Nebraska	-77	-1,343	-1,121	-417	669	1,778	1,989	-278
New Mexico	-1,726	-1,306	-2,874	-2,771	-2,404	-1,237	131	7,015
New York	-9,553	-15,297	-12,852	-4,764	12,169	17,191	17,951	-4,857
Ohio	-25,160	-26,651	-31,413	-14,797	19,170	37,546	42,969	-6,127
Oklahoma	-8,740	-17,758	-30,908	-22,563	1,625	31,015	30,588	-6,811
Oregon	2	-374	-2,416	116	-732	688	3,212	-3,318
Pennsylvania	-24,593	-51,105	-62,659	-27,319	48,329	92,652	83,807	-41,556
Tennessee	-60	-49	-53	-48	-10	96	42	0
Texas	-1,462	-23,854	-64,583	-68,034	4,146	75,241	66,265	-19,539
Utah	-5,792	-5,110	-6,367	-512	-197	3,249	6,246	-1,155
Virginia	-87	-509	-600	793	-1,256	1,821	1,268	6
Washington	278	122	-4,285	-1,199	2,520	4,712	4,416	-3,458
West Virginia	-28,865	-25,786	-33,369	-23,204	19,424	41,243	58,043	-765
Wyoming	-1,186	-1,715	-1,151	308	1,217	2,397	1,901	-569
<b>Regions</b>								
East Region	-90,699	-121,926	-143,415	-69,546	98,805	195,328	207,094	-52,743
South Central Region	-47,939	-82,015	-173,376	-174,950	3,421	255,529	214,020	-61,096
Midwest Region	-118,838	-127,539	-129,116	-56,605	93,527	272,757	236,494	-101,059
Mountain Region	-17,214	-19,419	-19,103	-2,853	34	15,081	20,797	19,202
Pacific Region	-8,243	-10,588	-32,152	-17,550	-2,557	2,649	46,544	-52,112
<b>Total Lower 48 States</b>	<b>-282,933</b>	<b>-361,486</b>	<b>-497,162</b>	<b>-321,505</b>	<b>193,230</b>	<b>741,344</b>	<b>724,949</b>	<b>-247,806</b>
<b>U.S. Total</b>	<b>-283,104</b>	<b>-361,564</b>	<b>-497,234</b>	<b>-321,286</b>	<b>193,465</b>	<b>741,529</b>	<b>725,144</b>	<b>-252,958</b>

See footnotes at end of table.

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

(million cubic feet) – continued

State	2014							
	December	November	October	September	August	July	June	May
Alabama	-1,346	321	-3,227	-761	492	-38	-420	-5,110
Alaska <sup>a</sup>	-733	-558	106	-564	-697	-256	-1,546	-263
Arkansas	187	259	-12	-166	-396	-422	-450	-450
California	14,741	2,894	-27,183	-12,319	-22,052	-20,946	-41,166	-48,253
Colorado	9,314	2,970	-3,960	-6,177	-6,161	-7,622	-7,111	-3,848
Illinois	50,911	11,226	-38,767	-38,887	-39,186	-35,418	-35,170	-29,654
Indiana	2,764	207	-2,561	-3,451	-3,655	-3,103	-3,175	-2,745
Iowa	15,333	9,991	-11,564	-16,589	-16,826	-8,737	-7,981	-7,521
Kansas	8,640	11,740	-9,250	-12,602	-7,892	-15,372	-12,785	-4,659
Kentucky	1,712	2,549	-11,752	-9,008	-9,946	-9,214	-9,743	-8,340
Louisiana	11,447	7,202	-49,804	-37,896	-26,081	-35,789	-30,151	-29,849
Maryland	596	2,764	-1,919	-1,591	14	-2,308	-3,179	-3,611
Michigan	47,328	51,226	-45,756	-78,777	-92,472	-97,216	-97,918	-85,403
Minnesota	97	-107	-294	-223	-269	-247	-225	-184
Mississippi	-4,655	-2,348	-14,920	-13,380	331	-7,067	-16,132	-28,960
Missouri	135	-314	-312	-257	-777	0	0	*
Montana	3,346	3,688	-1,742	-1,952	-2,072	-2,852	-2,151	-2,124
Nebraska	888	719	-574	-2,299	-1,907	-1,589	-1,809	-94
New Mexico	440	-200	-2,469	-41	1,099	401	-2,165	-1,792
New York	5,228	7,036	-11,131	-14,041	-15,669	-13,780	-11,399	-6,000
Ohio	23,765	18,676	-15,873	-25,383	-22,667	-22,917	-28,204	-27,166
Oklahoma	15,204	7,444	-24,105	-15,412	-10,561	-10,836	-16,051	-19,840
Oregon	1,267	1,993	-505	-1,425	-1,897	-3,056	-4,133	-3,018
Pennsylvania	29,332	16,036	-39,656	-50,233	-44,335	-38,363	-55,862	-63,219
Tennessee	0	0	0	0	0	0	0	0
Texas	10,548	-17,967	-60,721	-44,441	-11,235	-22,245	-33,940	-44,996
Utah	7,368	4,621	-1,973	-5,125	-5,742	-7,678	-7,760	-8,156
Virginia	158	176	-638	-848	183	-282	167	-573
Washington	676	1,577	-223	-1,524	-4,077	-1,529	-3,418	-5,031
West Virginia	30,123	16,358	-17,465	-24,144	-25,969	-28,904	-27,051	-35,829
Wyoming	1,586	831	-2,049	-2,016	-3,075	-2,118	-1,709	-953
<b>Regions</b>								
East Region	89,203	61,045	-86,683	-116,239	-108,445	-106,553	-125,529	-136,399
South Central Region	40,026	6,651	-162,037	-124,657	-55,342	-91,771	-109,928	-133,863
Midwest Region	118,280	74,778	-111,005	-147,193	-163,132	-153,935	-154,212	-133,848
Mountain Region	22,941	12,630	-12,768	-17,611	-17,858	-21,457	-22,706	-16,967
Pacific Region	16,684	6,464	-27,912	-15,268	-28,027	-25,531	-48,717	-56,302
<b>Total Lower 48 States</b>	<b>287,134</b>	<b>161,568</b>	<b>-400,405</b>	<b>-420,968</b>	<b>-372,803</b>	<b>-399,247</b>	<b>-461,091</b>	<b>-477,379</b>
<b>U.S. Total</b>	<b>286,401</b>	<b>161,011</b>	<b>-400,299</b>	<b>-421,532</b>	<b>-373,501</b>	<b>-399,503</b>	<b>-462,637</b>	<b>-477,641</b>

See footnotes at end of table.

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

(million cubic feet) – continued

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

<sup>a</sup> Alaska data are not included in the regions' totals or the lower 48 states total.<sup>R</sup> Revised data.<sup>\*</sup> 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."