

Mineral Industry Surveys

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CEMENT IN AUGUST 2018

This report provides monthly data on the shipments of cement to final customers and the production of clinker in the United States from January 2017 through August 2018.¹ Data on the imports of cement and clinker for August 2018 also are provided. Listings of leading States (below) are in order of descending activity.

Total shipments of portland and blended cement in the United States and Puerto Rico in August 2018 were about 10.3 million metric tons (Mt), up by 5.8% from shipments in August 2017 (tables 2A and 2B). Shipments for the year through August totaled about 65.5 Mt, up by 4.2% from those for the same period in 2017. The leading producing States for portland and blended cement in August 2018 were Texas, California, Missouri, Florida, and Michigan (table 1A), and these accounted for about 37% of the country total. The leading cement-consuming States (Texas, California, Florida, Ohio, and Illinois) received 38% of the August shipments (tables 2A and 2B).

Masonry cement shipments were about 234,000 metric tons in August 2018, up by 4.2% from those in August 2017 (table 2C). For the year through August, shipments totaled 1.65 Mt, up slightly from those for the same period in 2017. The leading masonry-cement-consuming States in August 2018 were Florida, Texas, North Carolina, Tennessee, and Georgia; these States received about 61% of the August shipments.

¹Footnoted revisions to the historical data are those received since the publication of the previous month's edition of this report.

Clinker production totaled about 7.1 Mt in August 2018, about the same as the output (excluding Puerto Rico) in August 2017 (table 4). For the year through August 2018, production was about 50.1 Mt, slightly higher than that of the same period in 2017. The leading clinker-producing States in August 2017 were Texas, Missouri, California, Florida, and Alabama.

Tables 5, 6, and 7 list import data from the U.S. Census Bureau; however, data for clinker imports into the Seattle, WA, and the Detroit, MI, customs districts do not include material trucked in from Canada on an informal entry basis. Likewise, imports of cement into the El Paso, TX, district may be missing significant informal entries from Mexico. Monthly imports can show significant year-over-year changes for a variety of reasons and commonly do not correlate well with consumption levels in the respective import districts in the same month. August 2018 imports of cement and clinker totaled about 1.5 Mt, up by 18.3% from imports in August 2017. Imports for January through August 2018 totaled 10.1 Mt, up by 11.6% from imports in the same period in 2017.

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TABLE 1A
 PORTLAND AND BLENDED CEMENT SHIPMENTS, BY DISTRICT OF ORIGIN, JANUARY 2017–AUGUST 2018^{1,2}

(Metric tons)

District	2017						
	January	February	March	April	May	June	July
New England and Middle Atlantic:							
Maine and New York	93,612	83,483	104,874	129,799	165,500	170,211	149,823
Pennsylvania	204,977	215,681	254,747	300,880	349,327	373,875	335,480
District subtotal ³	298,588	299,163	359,621	430,679	514,827	544,085	485,302
East North Central:							
Illinois	72,381	71,660	89,185	94,552	124,635	123,851	113,188
Indiana, Ohio	159,237	188,714	230,698	285,679	325,385	376,196	318,570
Michigan	109,864	121,644	155,090	255,005	366,658	410,265	378,471
District subtotal ³	341,481	382,018	474,973	635,236	816,677	910,312	810,229
West North Central:							
Iowa, Nebraska, South Dakota	94,315	116,063	176,347	252,402	367,798	456,333	392,918
Kansas	122,814	156,853	207,607	203,698	218,795	238,836	207,663
Missouri	431,413	551,961	645,413	713,037	807,971	913,110	874,213
District subtotal ³	648,542	824,877	1,029,367	1,169,137	1,394,564	1,608,278	1,474,794
South Atlantic:							
Florida	482,157	451,353	558,609	517,056	548,503	518,340	500,259
Georgia, Maryland, Virginia, West Virginia	355,134	399,545	459,673	462,532	511,946	567,542	499,062
Puerto Rico	36,304	34,582	37,368	37,683	43,060	47,561	41,738
South Carolina	209,913	241,265	266,834	227,105	256,600	261,419	242,995
District subtotal ³	1,083,507	1,126,745	1,322,484	1,244,375	1,360,110	1,394,862	1,284,053
East South Central:							
Alabama, Kentucky, Tennessee	429,544	492,464	569,474	519,128	559,980	562,849	543,164
West South Central:							
Arkansas and Oklahoma	168,166	158,165	201,300	169,945	203,112	229,075	207,225
Texas, northern	346,404	397,449	474,547	412,414	476,800	477,294	427,321
Texas, southern	508,913	553,099	612,543	501,115	571,459	547,913	542,175
District subtotal ³	1,023,482	1,108,713	1,288,390	1,083,475	1,251,371	1,254,281	1,176,721
Mountain and Pacific:							
Arizona and New Mexico	169,959	169,410	210,982	192,445	199,183	236,451	201,815
California	561,168	616,383	890,277	847,170	958,094	945,342	854,758
Colorado and Wyoming	137,923	175,114	234,179	231,059	261,386	339,128	292,910
Montana, Nevada, Oregon, Utah, Washington	171,489	197,896	302,660	312,945	406,416	433,879	379,330
District subtotal ³	1,040,539	1,158,803	1,638,098	1,583,619	1,825,079	1,954,800	1,728,813
U.S. total ³	4,865,684	5,392,782	6,682,407	6,665,649	7,722,607	8,229,469	7,503,077
Imports ⁴	568,602	634,342	807,809	891,241	1,091,426	1,121,835	973,668
Grand total ³	5,434,286	6,027,124	7,490,216	7,556,890	8,814,033	9,351,304	8,476,745

See footnotes at end of table.

TABLE 1A—Continued
 PORTLAND AND BLENDED CEMENT SHIPMENTS, BY DISTRICT OF ORIGIN, JANUARY 2017–AUGUST 2018^{1,2}

(Metric tons)

District	2017					
	August	September	October	November	December	January–December
New England and Middle Atlantic:						
Maine and New York	186,299	176,095	217,117	196,110	136,702	1,809,623
Pennsylvania	405,548	355,497	363,127	313,182	224,911	3,697,230
District subtotal ³	591,847	531,591	580,245	509,292	361,613	5,506,852
East North Central:						
Illinois	136,823	132,580	129,500	112,815	73,847	1,275,015
Indiana, Ohio	396,926	323,030	336,133	308,922	192,195	3,441,684
Michigan	465,957	415,839	413,694	308,729	158,673	3,559,888
District subtotal ³	999,705	871,449	879,326	730,465	424,715	8,276,587
West North Central:						
Iowa, Nebraska, South Dakota	467,994	410,045	406,119	302,709	142,214	3,585,258
Kansas	235,170	207,949	211,002	218,316	142,570	2,371,274
Missouri	1,003,280	946,374	984,228	850,621	563,585	9,285,207
District subtotal ³	1,706,445	1,564,369	1,601,348	1,371,646	848,369	15,241,739
South Atlantic:						
Florida	547,161	367,855	469,722	494,630	487,343	5,942,989
Georgia, Maryland, Virginia, West Virginia	563,874	527,055	576,615	525,334	407,762	5,856,073
Puerto Rico	44,829	27,830	24,808	38,661	38,271	452,693
South Carolina	273,982	238,389	288,720	272,273	208,858	2,988,352
District subtotal ³	1,429,846	1,161,129	1,359,865	1,330,898	1,142,234	15,240,107
East South Central:						
Alabama, Kentucky, Tennessee	613,721	577,767	636,388	564,358	433,535	6,502,372
West South Central:						
Arkansas and Oklahoma	202,882	201,997	242,067	191,899	171,909	2,347,741
Texas, northern	455,104	443,710	472,095	434,994	330,191	5,148,322
Texas, southern	513,989	506,609	556,552	508,114	387,509	6,309,989
District subtotal ³	1,171,975	1,152,316	1,270,713	1,135,007	889,608	13,806,052
Mountain and Pacific:						
Arizona and New Mexico	237,557	211,168	231,127	199,159	192,951	2,452,208
California	965,290	831,895	889,548	782,937	766,403	9,909,265
Colorado and Wyoming	336,525	301,632	308,460	275,269	185,945	3,079,529
Montana, Nevada, Oregon, Utah, Washington	439,811	392,858	452,930	344,736	265,568	4,100,519
District subtotal ³	1,979,183	1,737,553	1,882,065	1,602,101	1,410,868	19,541,521
U.S. total ³	8,492,721	7,596,175	8,209,951	7,243,767	5,510,942	84,115,231
Imports ⁴	1,204,402	1,122,523	1,208,180	968,593	733,003	11,325,624
Grand total ³	9,697,124	8,718,697	9,418,131	8,212,360	6,243,945	95,440,855

See footnotes at end of table.

TABLE 1A—Continued
 PORTLAND AND BLENDED CEMENT SHIPMENTS, BY DISTRICT OF ORIGIN, JANUARY 2017–AUGUST 2018^{1,2}

(Metric tons)

District	2018								
	January	February	March	April	May	June	July	August	January–August
New England and Middle Atlantic:									
Maine and New York	89,041	83,844	117,659	158,546	204,449	208,034	193,787	215,221	1,270,582
Pennsylvania	165,318	181,042	222,803	283,650	328,286	340,147	330,252	360,917	2,212,416
District subtotal ³	254,359	264,886	340,462	442,196	532,734	548,181	524,039	576,139	3,482,997
East North Central:									
Illinois	61,848	51,875	71,998	89,229	115,148	104,544	121,439	143,444	759,524
Indiana, Ohio	130,095	147,587	227,354	274,701	342,755	329,690	331,554	371,070	2,154,807
Michigan	100,328	96,422	151,511	206,623	379,222	417,444	431,713	458,565	2,241,828
District subtotal ³	292,271	295,884	450,863	570,553	837,126	851,678	884,706	973,078	5,156,159
West North Central:									
Iowa, Nebraska, South Dakota	90,157	84,606	132,368	197,036	374,993	371,093	393,159	435,353	2,078,765
Kansas	112,851	120,073	185,380	193,864	225,315	219,255	235,926	235,950	1,528,613
Missouri	394,993	426,658	675,511	798,532	1,015,559	967,437	970,962	995,872	6,245,524
District subtotal ³	598,001	631,337	993,259	1,189,432	1,615,867	1,557,785	1,600,047	1,667,175	9,852,902
South Atlantic:									
Florida	533,074	530,924	595,965	528,318	510,312	540,651	499,611	553,850	4,292,704
Georgia, Maryland, Virginia, West Virginia	337,432	377,730	452,875	541,632	552,632	557,403	532,245	613,101	3,965,049
Puerto Rico	44,957	51,392	55,594	57,272	60,997	52,816	52,454	61,221	436,705
South Carolina	172,253	175,226	230,346	241,613	240,105	265,110	257,109	295,823	1,877,585
District subtotal ³	1,087,716	1,135,272	1,334,780	1,368,836	1,364,045	1,415,980	1,341,419	1,523,996	10,572,044
East South Central:									
Alabama, Kentucky, Tennessee	379,253	411,456	570,886	601,079	626,389	656,110	639,538	698,026	4,582,738
West South Central:									
Arkansas and Oklahoma	201,608	147,296	243,029	200,547	232,813	224,802	207,272	247,290	1,704,658
Texas, northern	362,111	316,149	440,720	502,950	523,605	542,009	534,009	562,208	3,783,762
Texas, southern	495,673	458,793	631,790	655,600	602,435	484,586	485,454 ^r	589,539	4,403,870
District subtotal ³	1,059,392	922,239	1,315,539	1,359,096	1,358,853	1,251,397	1,226,735 ^r	1,399,037	9,892,289
Mountain and Pacific:									
Arizona and New Mexico	216,846	212,172	274,669	259,750	279,592	258,203	248,302	285,280	2,034,814
California	830,982	831,231	806,783	869,870	937,550	889,652	848,148	976,779	6,990,995
Colorado and Wyoming	178,137	156,096	219,278	242,188	298,917	306,945	309,847	345,487	2,056,894
Montana, Nevada, Oregon, Utah, Washington	260,027	222,224	289,334	327,593	397,237	398,066	394,063	423,540	2,712,085
District subtotal ³	1,485,993	1,421,723	1,590,064	1,699,400	1,913,297	1,852,866	1,800,360	2,031,086	13,794,788
U.S. total ³	5,156,986	5,082,798	6,595,853	7,230,593	8,248,311	8,133,997	8,016,844 ^r	8,867,626	57,333,007
Imports ⁴	584,093	736,411	821,164	998,660	1,137,257	1,190,346	1,272,016 ^r	1,393,667	8,133,613
Grand total ³	5,741,079	5,819,209	7,417,017	8,229,253	9,385,568	9,324,342	9,288,860 ^r	10,262,203	65,467,530

^rRevised.

¹Data are unrounded but are believed to be accurate to no more than three significant digits.

²Includes cement manufactured from imported clinker.

³Data may not add to totals shown because of independent rounding.

⁴As reported by domestic and Canadian cement manufacturers and other importers.

TABLE 1B
MASONRY CEMENT SHIPMENTS, BY DISTRICT OF ORIGIN, JANUARY 2017–AUGUST 2018^{1,2}

(Metric tons)

District	2017						
	January	February	March	April	May	June	July
New England and Middle Atlantic:							
Maine and New York	981	840	1,686	2,807	3,211	3,181	3,049
Pennsylvania	9,353	8,560	11,285	11,742	14,063	14,979	13,207
District subtotal ³	10,334	9,400	12,972	14,549	17,275	18,161	16,256
East North Central:							
Illinois, Indiana, Ohio	17,657	18,836	20,971	20,755	20,712	21,548	21,758
Michigan	3,505	4,428	5,205	6,415	7,909	8,015	7,093
District subtotal ³	21,162	23,264	26,176	27,170	28,621	29,563	28,851
West North Central:							
Iowa, Kansas, Missouri, Nebraska, South Dakota	2,374	2,928	3,575	3,046	3,065	3,797	2,996
South Atlantic:							
Florida	39,463	35,739	44,163	37,222	42,672	39,052	38,210
Georgia, Maryland, Virginia, West Virginia	21,482	23,375	26,626	23,920	26,378	27,051	25,405
Puerto Rico	--	--	--	--	--	--	--
South Carolina	15,501	16,254	18,869	16,182	17,467	17,614	15,818
District subtotal ³	76,446	75,368	89,657	77,324	86,517	83,718	79,432
East South Central:							
Alabama, Kentucky, Tennessee	18,463	19,073	23,233	19,018	22,322	21,006	21,107
West South Central:							
Arkansas and Oklahoma	7,085	7,313	8,725	7,377	7,683	8,294	7,691
Texas	24,812	24,450	30,617	24,139	26,963	28,709	24,581
District subtotal ³	31,898	31,762	39,343	31,517	34,646	37,003	32,272
Mountain and Pacific:							
Arizona, Colorado, Montana, Nevada, New Mexico, Utah, Wyoming	2,527	2,798	3,842	3,788	3,878	4,270	3,357
California	13,527	14,906	27,298	15,130	18,296	19,393	15,742
District subtotal ³	16,054	17,704	31,140	18,918	22,174	23,663	19,100
U.S. total ³	176,730	179,499	226,096	191,542	214,621	216,911	200,014
Imports ⁴	1,179	1,402	1,644	1,857	1,726	1,693	1,875
Grand total ³	177,909	180,901	227,740	193,399	216,347	218,603	201,889

See footnotes at the end of table.

TABLE 1B—Continued
MASONRY CEMENT SHIPMENTS, BY DISTRICT OF ORIGIN, JANUARY 2017–AUGUST 2018^{1,2}

(Metric tons)

District	2017					
	August	September	October	November	December	January–December
New England and Middle Atlantic:						
Maine and New York	3,563	2,558	2,962	2,410	1,495	28,745
Pennsylvania	14,598	13,043	13,491	11,723	7,853	143,897
District subtotal ³	18,162	15,601	16,453	14,133	9,348	172,642
East North Central:						
Illinois, Indiana, Ohio	21,938	22,468	22,044	18,544	14,477	241,708
Michigan	9,182	7,814	7,547	5,605	3,634	76,351
District subtotal ³	31,119	30,282	29,591	24,149	18,111	318,059
West North Central:						
Iowa, Kansas, Missouri, Nebraska, South Dakota	4,172	3,262	3,470	2,888	2,468	38,044
South Atlantic:						
Florida	43,040	28,714	40,004	37,714	36,075	462,068
Georgia, Maryland, Virginia, West Virginia	27,868	24,869	28,853	24,569	19,914	300,310
Puerto Rico	--	--	--	--	--	--
South Carolina	16,880	14,813	16,842	15,849	12,605	194,693
District subtotal ³	87,788	68,395	85,699	78,132	68,594	957,071
East South Central:						
Alabama, Kentucky, Tennessee	22,199	20,341	22,480	20,259	14,633	244,133
West South Central:						
Arkansas and Oklahoma	8,567	8,233	8,018	8,119	6,708	93,813
Texas	25,522	23,976	25,960	25,288	19,302	304,320
District subtotal ³	34,088	32,209	33,978	33,407	26,010	398,133
Mountain and Pacific:						
Arizona, Colorado, Montana, Nevada, New Mexico, Utah, Wyoming	3,867	3,069	3,145	3,078	2,642	40,262
California	21,772	19,146	20,570	18,983	18,808	223,572
District subtotal ³	25,640	22,215	23,716	22,061	21,449	263,834
U.S. total ³	223,168	192,305	215,386	195,030	160,613	2,391,916
Imports ⁴	1,969	1,859	1,633	1,467	1,189	19,494
Grand total ³	225,138	194,164	217,019	196,497	161,803	2,411,409

See footnotes at the end of table.

TABLE 1B—Continued
MASONRY CEMENT SHIPMENTS, BY DISTRICT OF ORIGIN, JANUARY 2017–AUGUST 2018^{1,2}

(Metric tons)

District	2018								January–August
	January	February	March	April	May	June	July	August	
New England and Middle Atlantic:									
Maine and New York	834	1,567	1,885	2,695	4,045	3,482	3,355	3,201	21,064
Pennsylvania	6,790	7,492	9,480	11,389	13,620	13,487	12,744	13,480	88,482
District subtotal ³	7,624	9,059	11,365	14,084	17,665	16,969	16,099	16,681	109,546
East North Central:									
Illinois, Indiana, Ohio	11,964	12,489	18,400	17,316	19,334	17,280	17,222	18,326	132,332
Michigan	3,447	3,644	4,869	6,845	7,914	7,652	8,437	8,251	51,059
District subtotal ³	15,411	16,133	23,269	24,161	27,248	24,932	25,659	26,577	183,391
West North Central:									
Iowa, Kansas, Missouri, Nebraska, South Dakota	1,663	2,153	2,742	3,478	3,819	3,398	3,924	5,210	26,386
South Atlantic:									
Florida	43,603	38,318	43,471	46,300	41,978	43,258	52,609	58,229	367,766
Georgia, Maryland, Virginia, West Virginia	18,818	20,240	25,717	26,972	31,021	29,384	30,604	31,853	214,608
Puerto Rico	--	--	--	--	--	--	--	--	--
South Carolina	13,063	13,443	16,835	16,941	17,455	17,041	17,657	18,152	130,586
District subtotal ³	75,484	72,001	86,023	90,212	90,455	89,682	100,869	108,234	712,960
East South Central:									
Alabama, Kentucky, Tennessee	16,050	17,387	21,009	20,501	22,173	20,279	21,350	21,840	160,589
West South Central:									
Arkansas and Oklahoma	6,139	6,368	8,465	9,375	9,533	8,595	8,434	8,620	65,529
Texas	23,285	21,951	28,164	26,122	27,445	26,979	26,255 [†]	27,719	207,920
District subtotal ³	29,424	28,320	36,629	35,497	36,978	35,573	34,689 [†]	36,339	273,449
Mountain and Pacific:									
Arizona, Colorado, Montana, Nevada, New Mexico, Utah, Wyoming	3,566	2,929	4,089	3,607	4,107	4,281	3,820	3,967	30,366
California	17,740	20,228	20,703	15,898	18,347	17,591	19,631	13,380	143,518
District subtotal ³	21,306	23,157	24,792	19,504	22,454	21,872	23,452	17,347	173,884
U.S. total ³	166,962	168,209	205,829	207,438	220,791	212,707	226,041 [†]	232,229	1,640,206
Imports ⁴	1,047	1,008	1,320	1,337	1,839	2,060	2,009	2,264	12,884
Grand total ³	168,009	169,217	207,149	208,775	222,630	214,767	228,049 [†]	234,494	1,653,090

[†]Revised. -- Zero.

¹Data are unrounded but are believed to be accurate to no more than three significant digits.

²Includes cement manufactured from imported clinker.

³Data may not add to totals shown because of independent rounding.

⁴As reported by domestic and Canadian cement manufacturers and other importers.

TABLE 2A
 PORTLAND CEMENT SHIPMENTS, BY DESTINATION, JANUARY 2017–AUGUST 2018^{1,2}

(Metric tons)

Destination	2017						
	January	February	March	April	May	June	July
Alabama	74,709	80,643	100,480	99,506	95,639	90,025	93,295
Alaska	4,265	5,495	6,905	8,997	13,541	16,800	15,715
Arizona	162,149	167,757	188,165	177,255	190,537	197,711	164,480
Arkansas	54,337	60,750	69,789	62,238	74,184	77,078	65,363
California, northern	179,686	169,980	290,767	263,659	334,874	356,517	335,151
California, southern	342,883	406,884	587,694	575,808	614,811	642,859	554,533
Colorado	121,505	152,866	204,734	190,303	196,323	259,086	217,255
Connecticut	29,293	26,132	29,816	42,226	57,631	61,986	54,912
Delaware	5,044	6,682	8,163	8,987	8,961	8,892	6,700
District of Columbia	13,331	19,139	18,441	24,898	20,158	22,158	19,882
Florida	548,611	520,037	615,159	542,094	589,248	554,118	535,501
Georgia	219,495	247,769	299,230	241,885	262,649	246,371	250,765
Hawaii	26,011	23,509	28,596	30,017	31,953	26,322	25,055
Idaho	8,225	17,902	36,877	41,076	56,950	59,836	48,583
Illinois, excluding Chicago	46,835	62,105	83,948	91,473	114,121	138,250	116,100
Illinois, Chicago metropolitan	70,602	84,614	90,543	140,928	157,476	176,756	141,124
Indiana	78,694	96,054	119,441	150,624	171,154	202,524	182,439
Iowa	37,446	48,437	84,922	133,197	178,662	233,035	200,618
Kansas	64,143	82,920	101,045	99,401	109,613	125,221	110,979
Kentucky	59,001	71,694	84,531	86,732	101,280	118,222	101,127
Louisiana	123,113	136,165	156,186	148,740	137,918	121,253	153,258
Maine	8,789	5,790	9,555	13,254	22,304	25,873	22,532
Maryland	69,992	78,998	87,092	98,202	103,996	121,059	99,161
Massachusetts	56,467	47,855	62,360	82,732	97,191	99,664	84,209
Michigan	62,518	66,319	88,281	145,469	216,168	238,374	210,331
Minnesota	42,767	51,130	68,161	101,763	157,949	192,751	197,311
Mississippi	40,030	51,431	53,998	50,534	51,470	48,062	55,478
Missouri	86,281	127,562	134,313	134,954	154,413	191,034	160,076
Montana	6,793	8,280	18,047	23,585	35,576	40,148	33,727
Nebraska	21,619	39,301	65,292	71,451	89,374	110,987	103,255
Nevada	94,380	92,732	119,325	113,248	124,997	115,943	102,820
New Hampshire	9,735	7,580	10,267	14,255	22,459	23,804	18,951
New Jersey	83,242	86,823	103,690	112,437	130,944	131,892	111,103
New Mexico	28,930	31,400	44,121	39,893	47,730	51,881	47,059
New York, eastern	23,122	22,130	26,979	36,522	44,942	50,432	41,204
New York, western	29,117	19,818	23,943	48,905	66,051	80,660	70,801
New York, metropolitan	103,961	109,119	127,146	150,112	170,728	174,935	149,151
North Carolina	169,677	207,865	234,703	190,540	222,062	231,217	200,859
North Dakota	9,935	10,313	14,835	28,157	53,603	72,098	72,159
Ohio	124,897	148,686	186,419	246,451	289,536	349,305	294,505
Oklahoma	106,429	119,947	148,944	129,065	160,799	192,079	151,654
Oregon	49,143	58,728	72,724	73,873	92,466	80,380	70,246
Pennsylvania, eastern	83,791	87,669	98,326	125,267	143,243	155,036	140,779
Pennsylvania, western	44,534	47,196	52,740	74,409	96,392	108,243	102,157
Rhode Island	5,901	5,030	5,748	11,108	12,285	13,406	10,727
South Carolina	110,558	127,793	156,620	132,685	152,100	146,052	136,827
South Dakota	9,775	9,430	17,764	29,495	53,836	69,506	58,904
Tennessee	106,149	119,713	134,989	124,811	136,159	138,846	119,882
Texas, northern	503,469	552,701	689,403	578,459	658,040	627,079	579,804
Texas, southern	589,415	641,030	721,686	604,788	692,081	635,571	637,324
Utah	51,737	66,291	106,469	110,206	142,990	150,193	123,936
Vermont	4,172	3,331	4,114	5,764	9,500	10,470	9,462
Virginia	119,423	146,582	164,715	154,433	163,086	181,564	151,225
Washington	90,315	104,173	129,090	132,617	148,701	144,294	131,564
West Virginia	21,450	26,247	27,881	30,119	40,713	40,504	36,826
Wisconsin	49,841	51,790	75,834	134,791	188,933	204,618	194,364
Wyoming	10,192	11,400	15,635	18,625	25,811	30,795	30,547
Puerto Rico	23,880	25,417	25,566	22,582	25,261	30,628	24,414
Foreign countries ³	30,715	31,570	48,163	49,755	58,379	64,806	63,841
Total shipments ⁴	5,352,518	5,936,704	7,380,374	7,405,357	8,619,952	9,109,207	8,242,010

See footnotes at end of table.

TABLE 2A—Continued
 PORTLAND CEMENT SHIPMENTS, BY DESTINATION, JANUARY 2017–AUGUST 2018^{1,2}

(Metric tons)

Destination	2017					
	August	September	October	November	December	January–December
Alabama	99,579	101,342	111,162	111,828	86,587	1,144,795
Alaska	18,170	16,086	13,267	5,979	6,720	131,940
Arizona	193,425	173,613	204,000	188,134	182,208	2,189,432
Arkansas	76,377	73,160	88,834	74,249	56,499	832,858
California, northern	428,225	364,958	384,411	311,792	316,967	3,736,988
California, southern	625,231	532,928	588,268	527,892	487,002	6,486,793
Colorado	253,386	221,395	229,922	210,635	156,235	2,413,644
Connecticut	69,704	49,890	57,102	54,725	36,110	569,525
Delaware	7,143	4,859	6,280	9,935	5,345	86,992
District of Columbia	19,825	18,884	21,881	19,543	16,851	234,991
Florida	597,316	403,725	530,144	536,888	524,975	6,497,817
Georgia	277,103	248,369	279,039	267,424	198,511	3,038,610
Hawaii	28,337	25,706	27,420	24,363	24,468	321,756
Idaho	54,873	54,036	61,992	49,116	30,023	519,491
Illinois, excluding Chicago	152,929	153,764	144,442	126,629	72,671	1,303,267
Illinois, Chicago metropolitan	197,817	158,116	156,917	133,746	86,772	1,595,411
Indiana	227,974	191,353	202,400	182,119	111,430	1,916,205
Iowa	229,902	210,286	211,903	195,523	83,045	1,846,976
Kansas	132,300	113,402	119,419	117,274	80,468	1,256,185
Kentucky	120,017	93,948	108,318	89,612	73,335	1,107,817
Louisiana	142,418	169,942	175,086	148,400	102,631	1,715,110
Maine	27,204	24,039	24,142	20,207	11,120	214,809
Maryland	115,048	108,201	111,054	103,721	87,201	1,183,726
Massachusetts	109,169	104,681	90,753	98,592	66,321	999,994
Michigan	249,938	232,900	228,475	184,770	104,676	2,028,217
Minnesota	213,341	197,259	203,770	111,529	55,180	1,592,910
Mississippi	54,300	58,708	64,129	52,086	35,224	615,450
Missouri	185,029	175,694	183,660	150,816	119,156	1,802,987
Montana	43,496	38,876	44,066	24,059	13,982	330,635
Nebraska	115,810	109,256	96,661	112,434	64,642	1,000,083
Nevada	112,812	101,392	116,610	96,208	87,687	1,278,153
New Hampshire	23,337	19,554	20,457	17,359	10,121	197,880
New Jersey	139,296	132,230	141,277	127,847	99,105	1,399,887
New Mexico	53,338	46,334	51,868	47,341	41,648	531,544
New York, eastern	50,818	45,621	47,360	42,972	27,536	459,638
New York, western	92,406	82,391	82,049	59,585	30,192	685,918
New York, metropolitan	180,269	162,821	173,095	159,423	126,090	1,786,848
North Carolina	233,563	216,630	242,689	223,454	173,983	2,547,242
North Dakota	87,127	77,714	81,030	36,650	16,734	560,355
Ohio	379,674	339,133	355,005	307,697	182,496	3,203,805
Oklahoma	149,860	130,241	145,230	142,914	117,795	1,694,959
Oregon	81,916	100,775	107,282	65,261	59,739	912,532
Pennsylvania, eastern	167,371	154,852	154,326	130,170	95,482	1,536,311
Pennsylvania, western	124,928	110,134	116,385	90,232	64,276	1,031,625
Rhode Island	14,519	9,773	10,581	9,562	7,521	116,161
South Carolina	145,534	125,969	156,800	141,568	111,096	1,643,601
South Dakota	58,956	61,663	58,531	43,349	18,210	489,419
Tennessee	138,061	129,676	144,887	136,085	102,639	1,531,896
Texas, northern	620,907	612,056	660,729	600,834	495,709	7,179,189
Texas, southern	566,825	582,149	683,994	624,250	452,148	7,431,260
Utah	159,495	139,174	165,758	135,191	96,211	1,447,650
Vermont	12,165	11,895	14,578	8,485	4,884	98,821
Virginia	169,557	160,740	168,640	146,537	127,108	1,853,610
Washington	149,862	167,030	179,144	137,288	117,907	1,631,984
West Virginia	46,438	41,819	42,062	33,774	26,665	414,498
Wisconsin	242,180	207,491	233,997	157,603	76,143	1,817,588
Wyoming	34,965	27,578	31,496	24,323	16,126	277,492
Puerto Rico	24,948	16,505	18,133	21,476	21,788	280,598
Foreign countries ³	63,978	56,216	56,066	41,191	42,047	606,728
Total shipments ⁴	9,390,490	8,498,935	9,228,973	8,052,649	6,145,440	93,362,607

See footnotes at end of table.

TABLE 2A—Continued
 PORTLAND CEMENT SHIPMENTS, BY DESTINATION, JANUARY 2017–AUGUST 2018^{1,2}

(Metric tons)

Destination	2018								January–August
	January	February	March	April	May	June	July	August	
Alabama	84,753	93,323	115,209	106,675	107,363	112,089	109,228	115,528	844,167
Alaska	4,926	5,922	6,750	11,612	13,188	15,760	17,304	19,145	94,607
Arizona	210,088	199,089	243,610	224,662	234,062	222,107	213,177	244,260	1,791,054
Arkansas	49,166	46,785	72,250	74,972	84,336	87,848	70,542	74,567	560,465
California, northern	287,965	294,724	271,803	328,422	359,906	362,188	354,825	402,581	2,662,413
California, southern	501,060	538,931	524,703	595,162	626,988	604,209	571,897	648,657	4,611,608
Colorado	152,970	126,376	183,078	193,237	219,372	225,548	206,790	234,067	1,541,439
Connecticut	24,197	29,056	32,789	45,112	61,706	62,952	54,297	57,203	367,312
Delaware	3,774	4,306	5,532	5,676	5,444	7,539	7,488	8,372	48,130
District of Columbia	16,383	18,743	19,740	20,482	19,541	18,665	16,707	21,913	152,175
Florida	566,165	571,566	633,762	595,023	572,763	589,834	559,521	633,603	4,722,236
Georgia	193,529	213,512	266,491	271,637	262,989	302,841	283,444	318,419	2,112,863
Hawaii	26,357	21,509	27,089	25,041	27,507	27,713	26,202	23,419	204,837
Idaho	26,737	27,214	38,877	56,052	63,285	69,993	64,583	68,178	414,918
Illinois, excluding Chicago	37,845	41,215	69,446	95,019	128,369	128,246	148,060	154,916	803,116
Illinois, Chicago metropolitan	49,775	54,789	96,829	116,602	167,722	152,069	167,273	174,305	979,364
Indiana	61,667	70,786	126,291	158,860	204,449	196,768	207,546	219,383	1,245,748
Iowa	40,184	37,255	73,278	127,877	236,918	211,037	252,405	250,428	1,229,381
Kansas	53,093	54,716	90,934	99,717	122,691	127,624	130,965	133,301	813,041
Kentucky	48,019	52,659	75,439	91,363	102,277	98,407	108,548	107,312	684,024
Louisiana	109,404	107,421	165,629	157,457	169,420	156,293	140,882	156,771	1,163,278
Maine	6,769	7,403	8,032	14,901	23,914	24,337	23,401	26,346	135,103
Maryland	62,260	73,977	87,912	106,052	103,744	108,097	99,648	118,736	760,426
Massachusetts	42,577	55,526	60,325	86,298	106,992	100,197	95,217	104,769	651,901
Michigan	57,490	58,562	84,427	138,109	229,804	247,065	248,501	264,237	1,328,194
Minnesota	41,584	41,590	54,943	66,928	158,505	202,365	197,661	233,102	996,677
Mississippi	32,067	34,249	47,800	47,961	58,415	55,125	52,133	61,336	389,087
Missouri	64,200	78,897	129,391	143,313	174,934	170,075	162,340	184,756	1,107,907
Montana	9,353	6,242	15,176	23,757	35,406	37,555	39,641	39,184	206,315
Nebraska	25,846	23,394	49,704	84,955	114,187	109,515	119,205	120,669	647,475
Nevada	97,238	90,913	104,573	100,381	112,345	110,101	118,173	127,200	860,924
New Hampshire	6,548	7,762	9,608	13,605	21,086	20,856	20,127	23,150	122,742
New Jersey	67,247	77,613	86,722	107,968	127,213	123,349	120,386 [†]	138,461	848,959
New Mexico	43,225	43,755	53,128	52,889	57,418	54,907	54,799	63,207	423,330
New York, eastern	17,716	17,715	23,570	33,551	46,927	49,682	46,220	51,285	286,667
New York, western	17,504	17,902	24,873	43,829	75,051	68,611	74,203	79,083	401,057
New York, metropolitan	90,681	114,829	122,737	150,505	176,589	181,337	170,750	181,564	1,188,992
North Carolina	144,574	179,294	212,582	239,824	231,946	247,096	232,037	247,511	1,734,865
North Dakota	12,079	12,117	14,744	22,079	55,664	71,561	81,541	86,105	355,891
Ohio	117,866	134,312	198,196	266,332	337,224	330,721	349,366	391,014	2,125,032
Oklahoma	122,680	99,047	164,186	152,148	161,547	145,936	152,103	160,848	1,158,495
Oregon	60,657	69,606	94,998	87,024	99,550	104,474	94,617	103,487	714,413
Pennsylvania, eastern	68,497	78,189	93,309	122,326	137,923	149,458	139,238	148,606	937,547
Pennsylvania, western	45,076	43,265	61,750	79,206	105,623	105,160	110,120	121,927	672,129
Rhode Island	4,083	5,815	6,289	10,157	12,281	11,234	11,589	12,313	73,760
South Carolina	110,623	121,527	148,377	153,795	144,874	150,526	134,048	163,580	1,127,351
South Dakota	10,242	7,667	13,152	19,779	50,048	48,530	55,232	77,157	281,807
Tennessee	86,868	99,177	138,428	148,717	164,404	160,878	161,277	176,339	1,136,088
Texas, northern	576,595	499,855	692,661	708,191	704,641	671,672	653,241	686,865	5,193,721
Texas, southern	582,344	543,996	750,213	775,872	737,667	631,846	635,821 [†]	755,590	5,413,349
Utah	91,052	80,989	100,700	114,320	138,906	142,413	133,888	152,408	954,676
Vermont	4,188	3,499	4,101	6,528	11,634	15,533	12,105	14,484	72,072
Virginia	111,118	123,657	142,416	155,161	158,066	154,281	150,342	176,322	1,171,365
Washington	124,674	117,286	147,640	149,850	169,660	166,723	189,197	209,209	1,274,238
West Virginia	22,916	24,380	27,390	35,176	40,378	35,785	38,715	43,773	268,513
Wisconsin	55,876	50,183	77,185	98,396	188,379	207,451	222,470	240,856	1,140,796
Wyoming	14,013	10,514	14,217	18,390	25,062	26,753	30,616	34,170	173,736
Puerto Rico	28,414	33,438	34,489	35,544	37,389	34,333	32,498	39,228	275,332
Foreign countries ³	23,238	21,205	25,410	32,526	42,324	43,279	62,676	63,433	314,091
Total shipments ⁴	5,648,039	5,719,245	7,264,888	8,047,002	9,168,013	9,098,548	9,036,825 [†]	9,988,638	63,971,200

[†]Revised.

¹Data are unrounded but are believed to be accurate to no more than three significant digits.

²Includes imported cement and cement manufactured from imported clinker.

³As reported by domestic and Canadian cement manufacturers and other importers.

⁴Data may not add to totals shown because of independent rounding.

TABLE 2B
 BLENDED CEMENT SHIPMENTS, BY DESTINATION, JANUARY 2017–AUGUST 2018^{1, 2, 3}

(Metric tons)

Destination	2017						
	January	February	March	April	May	June	July
Alabama	1,207	1,253	1,574	1,195	1,321	1,344	1,415
Alaska	--	--	--	--	--	--	--
Arizona	1,442	1,276	1,890	1,462	1,711	1,723	1,374
Arkansas	--	--	--	24	--	--	--
California, northern	425	307	857	890	953	253	--
California, southern	--	--	--	--	--	--	--
Colorado	485	625	883	967	1,318	1,369	5,683
Connecticut	--	24	--	--	44	--	--
Delaware	6,109	7,268	7,408	6,944	8,363	9,436	8,199
District of Columbia	--	--	--	--	--	--	--
Florida	--	--	22	10	22	--	47
Georgia	1,451	1,128	1,515	1,207	1,221	1,425	1,155
Hawaii	--	--	--	--	--	--	--
Idaho	98	92	--	31	158	3,361	5,829
Illinois, excluding Chicago	1,153	643	956	1,300	1,301	1,258	1,861
Illinois, Chicago metropolitan	44	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Iowa	1,148	987	2,856	12,547	14,527	18,727	22,030
Kansas	1,198	2,185	2,618	3,509	4,463	4,239	3,077
Kentucky	--	--	--	--	--	--	--
Louisiana	2,467	4,830	5,311	1,879	1,972	2,535	1,252
Maine	--	--	--	--	5	--	--
Maryland	1,005	1,291	985	1,177	1,384	1,315	1,657
Massachusetts	1,612	1,389	1,595	2,316	2,716	3,556	2,633
Michigan	624	670	676	2,264	8,148	8,227	11,353
Minnesota	49	49	49	265	6,104	1,963	4,484
Mississippi	4,628	5,540	4,374	4,019	3,895	3,988	4,796
Missouri	977	1,409	1,833	1,435	1,744	2,009	1,829
Montana	23	99	297	--	--	--	23
Nebraska	2,919	4,882	10,876	19,724	28,476	44,346	30,187
Nevada	1,264	1,615	2,832	2,644	4,328	4,832	3,716
New Hampshire	--	--	28	83	28	143	69
New Jersey	892	966	867	601	811	785	713
New Mexico	353	425	433	255	279	460	230
New York, eastern	874	335	485	622	815	641	691
New York, western	84	274	307	608	978	890	1,200
New York, metropolitan	73	120	94	100	2,100	2,774	1,814
North Carolina	71	227	363	978	796	670	533
North Dakota	--	--	--	--	118	262	167
Ohio	506	707	776	642	226	536	446
Oklahoma	3,140	2,033	791	1,361	522	607	693
Oregon	62	63	513	--	454	5,661	13,621
Pennsylvania, eastern	3,407	3,979	6,902	10,949	15,119	17,612	14,566
Pennsylvania, western	384	313	434	768	624	188	93
Rhode Island	--	--	--	--	--	--	--
South Carolina	1,142	1,442	1,462	2,015	3,338	1,385	1,454
South Dakota	51	100	146	969	2,307	2,658	830
Tennessee ⁵	3,444	4,879	4,721	5,066	5,189	5,684	6,503
Texas, northern	4,530	6,746	4,012	3,892	3,440	4,624	5,182
Texas, southern	3,298	629	418	17,509	19,504	20,034	18,701
Utah	1,818	1,855	2,511	1,862	2,122	2,048	1,767
Vermont	151	340	390	228	384	2,457	334
Virginia	848	1,206	2,657	2,832	3,334	6,071	5,811
Washington	1,830	2,035	7,247	7,833	9,048	19,610	20,270
West Virginia	1,153	1,442	1,597	1,443	1,310	1,668	1,613
Wisconsin	3,302	3,211	738	2,272	2,037	908	3,524
Wyoming	--	--	1,523	--	--	--	--
Puerto Rico	16,905	19,535	20,929	19,837	21,931	24,667	20,868
Foreign countries ⁴	3,122	--	93	3,002	3,095	3,148	442
Total shipments ⁵	81,768	90,420	109,843	151,533	194,081	242,097	234,735

See footnotes at end of table.

TABLE 2B—Continued
 BLENDED CEMENT SHIPMENTS, BY DESTINATION, JANUARY 2017–AUGUST 2018^{1, 2, 3}

(Metric tons)

Destination	2017					
	August	September	October	November	December	January–December
Alabama	1,570	1,241	1,646	1,433	1,042	16,241
Alaska	--	--	--	--	--	--
Arizona	1,745	2,028	2,528	2,179	1,991	21,351
Arkansas	--	--	--	3,201	--	3,224
California, northern	--	--	--	--	--	3,686
California, southern	--	--	--	--	--	--
Colorado	4,106	4,634	1,764	4,425	1,211	27,470
Connecticut	44	--	--	--	--	112
Delaware	9,613	9,045	8,397	7,263	6,169	94,214
District of Columbia	--	--	--	--	--	--
Florida	18	--	23	59	--	200
Georgia	1,168	1,004	1,058	1,129	721	14,182
Hawaii	--	--	--	--	--	--
Idaho	7,345	--	--	--	--	16,913
Illinois, excluding Chicago	1,298	1,205	1,782	1,503	1,472	15,732
Illinois, Chicago metropolitan	--	--	--	--	--	44
Indiana	--	--	--	--	--	--
Iowa	32,997	13,122	10,635	5,123	2,737	137,435
Kansas	3,296	2,299	2,616	1,930	804	32,235
Kentucky	--	--	--	--	--	--
Louisiana	831	2,475	2,690	1,561	711	28,513
Maine	--	--	--	--	--	5
Maryland	443	377	397	419	306	10,757
Massachusetts	3,240	6,104	2,609	2,006	608	30,383
Michigan	11,290	11,507	12,919	8,363	1,616	77,659
Minnesota	7,567	5,850	5,750	1,295	550	33,976
Mississippi	4,614	4,911	7,640	8,108	6,456	62,968
Missouri	1,637	1,393	1,236	1,217	836	17,553
Montana	24	23	914	--	321	1,722
Nebraska	57,416	57,628	31,367	22,475	6,502	316,797
Nevada	5,194	4,291	4,331	3,474	1,913	40,432
New Hampshire	73	76	55	44	--	601
New Jersey	835	403	583	1,004	1,149	9,610
New Mexico	231	325	192	55	133	3,371
New York, eastern	471	619	512	363	192	6,620
New York, western	2,316	1,500	1,237	938	767	11,099
New York, metropolitan	1,849	1,564	1,674	1,241	1,391	14,793
North Carolina	884	1,237	1,186	885	1,353	9,183
North Dakota	207	117	99	--	--	970
Ohio	582	444	591	338	608	6,401
Oklahoma	594	646	616	587	574	12,164
Oregon	16,999	--	--	--	--	37,371
Pennsylvania, eastern	17,928	14,293	13,817	12,644	7,760	138,976
Pennsylvania, western	45	705	1,581	46	--	5,181
Rhode Island	--	--	--	--	--	--
South Carolina	1,541	1,148	1,274	1,378	1,240	18,820
South Dakota	1,437	869	614	138	27	10,146
Tennessee	10,209	12,329	8,662	6,836	4,289	77,808
Texas, northern	6,374	4,326	2,942	4,164	2,680	52,912
Texas, southern	19,475	16,906	19,034	17,033	11,501	164,041
Utah	2,257	2,005	1,829	1,578	1,320	22,972
Vermont	306	--	260	87	38	4,974
Virginia	4,928	7,088	7,294	5,884	5,991	53,943
Washington	27,974	1,429	5,010	359	290	102,935
West Virginia	1,918	1,468	1,405	1,974	1,561	18,552
Wisconsin	4,389	4,248	4,457	2,555	957	32,596
Wyoming	--	--	--	--	--	1,523
Puerto Rico	24,300	16,782	10,931	19,416	15,716	231,818
Foreign countries ⁴	3,060	100	3,002	3,000	3,000	25,064
Total shipments ⁵	306,634	219,763	189,158	159,711	98,505	2,078,248

See footnotes at end of table.

TABLE 2B—Continued
 BLENDED CEMENT SHIPMENTS, BY DESTINATION, JANUARY 2017–AUGUST 2018^{1,2,3}

(Metric tons)

Destination	2018								
	January	February	March	April	May	June	July	August	January–August
Alabama	1,070	1,084	1,496	1,681	1,126	1,348	1,119	1,290	10,215
Alaska	--	--	--	27	45	161	559	--	792
Arizona	2,285	2,026	2,996	2,800	2,684	2,856	2,290	2,629	20,566
Arkansas	--	--	--	--	--	--	--	--	--
California, northern	--	--	--	--	--	865	1,068	1,038	2,971
California, southern	--	--	--	--	--	--	--	--	--
Colorado	855	1,123	3,723	2,866	5,072	3,177	3,660	7,207	27,684
Connecticut	--	--	--	--	--	--	--	--	--
Delaware	4,211	5,703	6,679	8,513	8,785	9,252	9,697	10,852	63,693
District of Columbia	--	--	--	--	--	--	--	--	--
Florida	--	3,573	9,034	11,837	19,301	24,011	23,837	27,132	118,726
Georgia	880	822	996	941	1,150	1,163	1,171	1,184	8,307
Hawaii	--	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	--	--
Illinois, excluding Chicago	1,817	1,483	1,299	1,315	1,568	1,537	2,732	2,422	14,172
Illinois, Chicago metropolitan	13	--	--	--	--	--	--	--	13
Indiana	--	--	--	23	--	--	--	--	23
Iowa	1,044	1,403	1,686	9,750	15,857	14,993	16,425	12,394	73,551
Kansas	499	340	1,610	1,113	1,151	1,930	2,032	2,260	10,935
Kentucky	67	294	500	506	646	618	642	756	4,029
Louisiana	2,321	3,535	3,176	5,914	3,824	1,067	1,147	1,856	22,839
Maine	--	--	--	--	--	--	--	--	--
Maryland	719	952	1,758	1,454	1,843	1,785	1,465	1,463	11,441
Massachusetts	445	725	1,165	1,030	1,537	1,415	685	784	7,785
Michigan	1,599	971	352	839	5,870	6,253	4,833	5,596	26,314
Minnesota	335	240	237	403	2,194	3,698	3,682	4,463	15,253
Mississippi	3,806	4,097	7,367	7,364	5,446	5,114	4,393	6,155	43,742
Missouri	600	612	816	376	791	1,051	1,255	1,030	6,530
Montana	160	61	494	597	1,080	1,053	1,353	3,203	8,000
Nebraska	3,486	3,406	8,020	16,811	28,575	29,824	49,871	50,494	190,488
Nevada	2,486	1,740	2,109	3,865	4,032	5,807	8,041	5,772	33,851
New Hampshire	259	298	108	208	79	83	27	114	1,176
New Jersey	1,573	1,501	1,328	1,315	1,486	1,872	1,489	1,138	11,701
New Mexico	83	46	276	91	276	113	146	236	1,266
New York, eastern	96	259	202	562	833	618	1,022	501	4,093
New York, western	147	74	53	336	323	433	734	777	2,877
New York, metropolitan	1,131	1,255	672	384	1,485	1,579	1,473	1,264	9,243
North Carolina	171	286	987	1,579	1,178	903	1,005	924	7,032
North Dakota	57	57	--	56	272	--	--	--	443
Ohio	314	427	--	--	69	424	474	613	2,321
Oklahoma	404	500	426	292	451	453	570	635	3,730
Oregon	--	--	--	--	--	--	--	--	--
Pennsylvania, eastern	3,441	3,587	7,844	11,795	13,765	16,701	15,989	20,648	93,770
Pennsylvania, western	--	--	139	351	1,343	2,486	1,770	1,915	8,003
Rhode Island	--	--	--	--	--	--	--	--	--
South Carolina	1,807	3,289	8,106	4,894	2,804	2,853	1,730	1,891	27,374
South Dakota	55	27	--	149	2,842	2,512	3,406	4,822	13,813
Tennessee	2,458	3,700	7,672	5,457	10,050	7,268	7,231	8,106	51,943
Texas, northern	5,760	1,374	2,772	5,830	6,143	3,301	2,937	3,226	31,343
Texas, southern	14,004	13,820	22,150	21,556	6,390	8,236	13,817	16,476	116,450
Utah	1,390	1,627	2,127	2,207	2,615	3,086	2,549	2,898	18,498
Vermont	--	47	23	242	144	92	175	102	825
Virginia	5,304	6,947	10,971	13,914	14,750	15,771	14,539	15,589	97,785
Washington	238	138	418	484	2,505	5,253	7,246	5,210	21,490
West Virginia	1,666	1,622	1,408	1,465	1,920	1,936	1,972	2,012	14,001
Wisconsin	747	748	1,237	1,092	4,265	5,196	4,492	5,433	23,211
Wyoming	--	--	--	--	--	--	--	--	--
Puerto Rico	23,237	24,142	27,698	27,970	28,990	25,646	25,282	28,607	211,573
Foreign countries ⁴	--	--	--	--	--	--	--	450	450
Total shipments ⁵	93,039	99,964	152,129	182,251	217,555	225,794	252,034	273,565	1,496,330

¹Data are unrounded but are believed to be accurate to no more than three significant digits.

²Includes imported cement and cement manufactured from imported clinker.

³Blended cement defined per ASTM standard C595.

⁴Includes U.S. possessions and territories.

⁵Data may not add to totals shown because of independent rounding.

TABLE 2C
MASONRY CEMENT SHIPMENTS, BY DESTINATION, JANUARY 2017–AUGUST 2018^{1,2}

(Metric tons)

Destination	2017						
	January	February	March	April	May	June	July
Alabama	6,332	6,093	7,531	6,862	7,018	6,596	5,821
Alaska	--	--	--	--	--	--	--
Arizona	2,113	2,239	3,250	3,060	3,273	3,374	2,808
Arkansas	3,681	4,008	4,569	3,804	4,126	4,600	4,103
California, northern	2,321	2,977	3,493	3,182	3,432	4,052	2,578
California, southern	10,916	11,733	23,362	11,607	14,441	14,931	12,814
Colorado	329	357	525	464	472	579	436
Connecticut	593	462	866	1,229	1,404	1,404	1,416
Delaware	271	355	488	314	474	469	425
District of Columbia	--	--	3	--	--	--	--
Florida	40,959	37,240	45,800	38,642	44,100	40,504	39,795
Georgia	12,056	11,453	14,808	12,031	13,199	12,556	12,638
Hawaii	153	113	149	119	155	116	122
Idaho	--	--	--	--	--	--	--
Illinois, excluding Chicago	369	415	633	567	706	744	682
Illinois, Chicago metropolitan	1,037	1,054	1,037	1,266	1,617	1,715	1,557
Indiana	1,988	1,984	2,409	2,832	3,548	2,772	4,854
Iowa	1	--	24	24	--	--	3
Kansas	223	325	670	168	378	339	361
Kentucky	3,348	4,262	4,689	4,508	4,204	4,688	4,329
Louisiana	3,912	3,662	4,672	3,588	4,088	3,671	3,948
Maine	25	14	24	49	100	140	56
Maryland	2,997	2,662	2,540	2,449	2,364	2,997	2,417
Massachusetts	464	374	629	930	851	950	838
Michigan	2,536	3,397	3,748	4,579	5,653	5,703	5,267
Minnesota	23	60	38	34	49	141	78
Mississippi	2,918	2,708	3,480	2,884	3,259	3,052	2,908
Missouri	509	716	881	883	489	1,107	819
Montana	17	--	--	54	--	37	18
Nebraska	--	48	--	--	47	51	--
Nevada	288	193	435	340	423	416	339
New Hampshire	34	272	280	518	571	663	618
New Jersey	2,427	2,221	2,627	2,994	3,554	4,055	3,324
New Mexico	142	225	148	228	211	333	158
New York, eastern	259	215	312	670	806	710	642
New York, western	660	566	817	982	871	886	1,131
New York, metropolitan	2,644	2,568	3,177	3,928	4,847	5,029	4,440
North Carolina	11,949	14,223	16,229	13,038	14,469	15,194	14,398
North Dakota	46	89	68	136	114	114	137
Ohio	3,637	4,061	5,297	5,781	6,577	7,218	5,900
Oklahoma	2,145	1,980	2,452	2,259	2,321	2,291	2,204
Oregon	--	5	9	--	--	3	12
Pennsylvania, eastern	3,933	2,798	4,294	3,084	3,383	3,651	3,460
Pennsylvania, western	1,255	1,503	1,598	2,137	2,409	2,465	1,965
Rhode Island	16	1	51	54	58	41	43
South Carolina	5,967	6,019	6,677	5,835	5,983	6,276	5,830
South Dakota	--	--	--	--	--	--	--
Tennessee	10,414	11,745	12,951	12,035	13,011	12,709	12,214
Texas, northern	9,842	9,535	12,901	9,406	10,033	10,920	9,816
Texas, southern	16,580	16,612	20,069	16,476	19,132	20,071	17,324
Utah	--	--	--	--	--	--	--
Vermont	--	32	9	13	39	65	15
Virginia	4,629	6,307	5,772	5,695	5,880	6,361	5,308
Washington	1	--	--	--	4	--	1
West Virginia	412	549	518	752	892	739	709
Wisconsin	466	432	695	903	1,208	1,075	780
Wyoming	--	--	--	--	--	--	--
Puerto Rico	--	--	--	--	--	--	--
Foreign countries ³	71	40	37	6	104	27	27
Total shipments ⁴	177,909	180,901	227,740	193,399	216,347	218,603	201,889

See footnotes at end of table.

TABLE 2C—Continued
MASONRY CEMENT SHIPMENTS, BY DESTINATION, JANUARY 2017–AUGUST 2018^{1,2}

(Metric tons)

Destination	2017					
	August	September	October	November	December	January–December
Alabama	6,807	6,227	7,398	6,570	5,326	78,581
Alaska	--	--	--	--	--	--
Arizona	3,134	2,539	2,350	2,592	2,297	33,028
Arkansas	5,029	4,248	4,500	4,004	3,180	49,852
California, northern	4,043	4,332	3,954	3,285	3,279	40,930
California, southern	17,268	14,576	16,374	15,431	15,287	178,741
Colorado	545	307	601	282	259	5,156
Connecticut	1,650	1,168	1,469	993	644	13,299
Delaware	417	455	438	359	386	4,853
District of Columbia	--	--	--	6	--	9
Florida	44,720	30,172	41,880	39,131	37,626	480,569
Georgia	13,765	10,629	13,549	12,869	8,900	148,454
Hawaii	112	108	93	122	103	1,466
Idaho	--	--	--	--	--	--
Illinois, excluding Chicago	729	738	726	506	280	7,095
Illinois, Chicago metropolitan	1,627	1,723	1,589	1,191	1,028	16,442
Indiana	3,276	5,804	4,186	3,903	1,989	39,545
Iowa	284	5	3	--	--	344
Kansas	434	409	429	258	249	4,242
Kentucky	4,563	4,175	4,655	3,727	3,636	50,783
Louisiana	3,755	3,927	4,445	4,174	2,675	46,518
Maine	72	34	73	31	15	633
Maryland	2,559	2,531	2,909	2,260	1,878	30,564
Massachusetts	1,011	777	855	628	376	8,682
Michigan	6,439	5,558	5,307	4,260	2,855	55,304
Minnesota	58	38	111	49	20	698
Mississippi	3,357	2,928	3,511	3,108	2,340	36,452
Missouri	1,115	1,121	1,129	904	757	10,429
Montana	--	36	65	15	--	244
Nebraska	50	--	2	--	49	247
Nevada	461	239	242	267	241	3,885
New Hampshire	710	517	552	484	454	5,674
New Jersey	3,773	3,654	3,739	3,235	2,162	37,764
New Mexico	243	305	174	230	107	2,503
New York, eastern	740	591	562	655	306	6,470
New York, western	1,207	965	875	698	367	10,024
New York, metropolitan	4,920	4,327	4,292	4,240	2,447	46,859
North Carolina	14,645	13,650	14,331	12,997	10,749	165,871
North Dakota	136	160	185	45	23	1,254
Ohio	7,649	6,430	6,716	5,561	4,168	68,995
Oklahoma	1,940	2,488	1,734	2,529	2,253	26,594
Oregon	--	--	--	--	--	28
Pennsylvania, eastern	3,684	3,006	3,372	2,761	1,901	39,326
Pennsylvania, western	2,186	2,134	2,165	1,541	1,255	22,612
Rhode Island	49	34	55	33	29	464
South Carolina	5,918	5,664	6,098	6,280	4,615	71,164
South Dakota	--	--	--	--	--	--
Tennessee	13,838	11,274	13,425	11,376	9,071	144,065
Texas, northern	11,010	10,307	10,816	10,595	8,674	123,855
Texas, southern	17,138	16,840	17,372	16,778	12,406	206,796
Utah	--	--	--	--	--	--
Vermont	6	16	32	20	5	253
Virginia	5,721	5,160	5,856	4,484	4,426	65,600
Washington	--	--	--	--	--	5
West Virginia	840	689	768	548	395	7,811
Wisconsin	1,472	1,112	1,051	455	297	9,947
Wyoming	--	--	--	--	--	--
Puerto Rico	--	--	--	--	--	--
Foreign countries ³	33	33	5	25	20	429
Total shipments ⁴	225,138	194,164	217,019	196,497	161,803	2,411,409

See footnotes at end of table.

TABLE 2C—Continued
MASONRY CEMENT SHIPMENTS, BY DESTINATION, JANUARY 2017–AUGUST 2018^{1,2}

(Metric tons)

Destination	2018								
	January	February	March	April	May	June	July	August	January–August
Alabama	4,999	5,820	6,908	6,888	7,201	6,395	6,764	6,997	51,974
Alaska	--	--	--	--	--	--	--	--	--
Arizona	2,798	2,499	3,504	3,094	3,563	3,654	3,142	3,293	25,549
Arkansas	2,807	3,234	3,721	3,377	4,553	3,843	3,879	3,584	28,999
California, northern	2,119	3,466	2,185	2,766	3,015	3,447	3,565	2,790	23,353
California, southern	15,336	16,562	18,253	12,865	15,189	13,807	15,704	10,327	118,043
Colorado	337	335	472	386	430	523	521	519	3,522
Connecticut	357	469	766	1,148	1,802	1,491	1,687	1,269	8,988
Delaware	230	334	356	480	357	445	474	446	3,123
District of Columbia	--	--	--	--	--	--	8	--	8
Florida	45,252	39,830	45,194	48,078	43,758	44,569	54,087	59,643	380,412
Georgia	10,706	10,770	13,500	12,402	13,341	11,869	13,397	13,400	99,385
Hawaii	127	69	93	108	80	64	98	93	730
Idaho	--	--	--	--	--	--	--	--	--
Illinois, excluding Chicago	266	177	572	658	451	435	572	1,289	4,419
Illinois, Chicago metropolitan	638	556	1,617	1,085	1,898	1,324	1,541	1,735	10,394
Indiana	3,035	2,079	3,641	3,478	3,858	4,477	4,542	4,978	30,090
Iowa	3	--	--	288	301	187	494	946	2,219
Kansas	210	285	248	347	312	317	235	383	2,337
Kentucky	1,919	3,015	4,116	3,962	4,579	4,263	4,286	4,605	30,744
Louisiana	3,397	3,423	4,671	3,710	4,371	3,802	3,890	4,283	31,547
Maine	12	33	13	40	87	51	41	52	327
Maryland	1,886	1,842	2,053	2,505	2,199	2,442	2,457	2,576	17,960
Massachusetts	278	353	576	835	1,088	1,041	810	991	5,971
Michigan	2,718	2,778	3,709	5,097	5,529	5,969	6,065	5,732	37,598
Minnesota	34	28	--	65	93	85	130	52	488
Mississippi	2,067	2,338	2,965	3,047	3,150	3,110	3,006	3,330	23,012
Missouri	634	559	978	860	1,070	867	1,021	1,197	7,187
Montana	37	--	--	21	--	--	18	50	126
Nebraska	--	--	--	--	--	--	47	--	47
Nevada	285	200	267	268	144	337	362	263	2,126
New Hampshire	29	301	263	435	718	591	415	572	3,326
New Jersey	1,756	1,860	2,481	3,092	3,757	3,583	3,720	3,274	23,523
New Mexico	451	106	210	147	181	164	157	197	1,612
New York, eastern	227	318	484	510	861	861	679	781	4,721
New York, western	523	396	478	580	955	1,109	1,152	1,094	6,286
New York, metropolitan	1,969	2,588	2,935	3,478	4,623	4,283	4,094	4,633	28,604
North Carolina	10,218	11,944	13,217	14,935	15,055	14,515	14,352	14,544	108,779
North Dakota	23	--	45	95	91	92	115	161	622
Ohio	3,012	3,431	4,925	6,110	6,999	6,582	6,844	7,084	44,986
Oklahoma	2,175	2,060	3,207	3,307	3,087	3,158	3,321	3,320	23,636
Oregon	--	--	--	--	--	--	--	--	--
Pennsylvania, eastern	1,586	1,616	2,548	2,809	3,118	3,466	2,762	3,387	21,293
Pennsylvania, western	858	951	1,657	1,872	2,424	2,270	2,429	2,423	14,883
Rhode Island	9	20	38	68	64	28	38	40	305
South Carolina	5,328	5,463	6,413	6,182	6,605	6,373	6,121	6,599	49,083
South Dakota	--	--	--	--	--	--	--	--	--
Tennessee	7,668	9,463	11,529	12,344	14,611	12,980	13,298	14,123	96,017
Texas, northern	9,785	9,255	12,614	10,512	12,306	12,770	12,072	12,040	91,354
Texas, southern	15,369	14,094	17,833	17,816	17,612	16,290	16,227 [†]	18,091	133,333
Utah	--	--	--	--	--	--	--	--	--
Vermont	5	--	6	8	5	23	15	34	96
Virginia	3,641	3,711	4,934	5,304	5,153	5,449	5,405	5,449	39,045
Washington	60	--	--	--	--	--	--	--	60
West Virginia	361	268	325	523	693	624	827	676	4,297
Wisconsin	445	314	592	721	1,273	729	1,070	1,114	6,259
Wyoming	--	--	--	--	--	--	--	--	--
Puerto Rico	--	--	--	--	--	--	--	--	--
Foreign countries ³	24	5	40	69	19	14	90	34	294
Total shipments ⁴	168,009	169,217	207,149	208,775	222,630	214,767	228,049 [†]	234,494	1,653,090

[†]Revised. -- Zero.

¹Data are unrounded but are believed to be accurate to no more than three significant digits.

²Includes imported cement and cement manufactured from imported clinker.

³Includes U.S. possessions and territories.

⁴Data may not add to totals shown because of independent rounding.

TABLE 3
SHIPMENTS OF PORTLAND PLUS BLENDED CEMENT BY DESTINATION FOR AUGUST (2013–2018)¹

(Thousand metric tons)

Destination	2013	2014	2015	2016	2017	5-Year average	2018	Percent rate of change to current year from	
								2017	5-Year average
Alabama	93	90	89	100	101	95	117	15.5	23.4
Alaska	25	21	20	19	18	21	19	5.4	-7.5
Arizona	163	149	164	168 ²	195 ²	168	247	26.5	47.1
Arkansas	80	82	73	76	76	77	75	-2.4	-3.7
California, northern	275	289	311	334	428	327	404	-5.7	23.3
California, southern	485	503	531	577	625	544	649	3.7	19.2
Colorado	198	203	226	246	257	226	241	-6.3	6.8
Connecticut	56	55	59	60	70	60	57	-18.0	-4.5
Delaware	18	16	24	20	17	19	19	14.7	1.1
District of Columbia	21	19	24	20	20	21	22	10.5	6.2
Florida	415	448	487	562	597	502	661	10.6	31.7
Georgia	174	214	243	271	278	236	320	14.9	35.4
Hawaii	24	28	33	28	28	28	23	-17.4	-17.5
Idaho	51	43	58	65	62	56	68	9.6	22.3
Illinois, excluding Chicago	177	159	171	174	154	167	157	2.0	-5.8
Illinois, Chicago metropolitan	157	174	196	186	198	182	174	-11.9	-4.4
Indiana	196	186	219	192	228	204	219	-3.8	7.6
Iowa	241	221	227	235	263	238	263	0.0	10.6
Kansas	125	129	141	154	136	137	136	0.0	-1.0
Kentucky	111	104	118	120	120	115	108	-10.0	-5.7
Louisiana	182	174	199	146	143	169	159	10.7	-5.9
Maine	22	23	22	24	27	24	26	-3.2	11.5
Maryland	98	114	119	122	115	114	120	4.1	5.6
Massachusetts	91	92	91	110	112 ²	99	106	-6.1	6.4
Michigan	215	229	246	267	261	243	270	3.3	10.8
Minnesota	210	200	219	220	221	214	238	7.5	11.0
Mississippi	75	77	64	67	59	68	67	14.6	-1.4
Missouri	177	169	171	180	187	177	186	-0.5	5.1
Montana	38	36	36	40	44	39	42	-2.6	9.3
Nebraska	166	137	157	165	173	160	171	-1.2	7.1
Nevada	94	98	99	123 ²	118 ²	106	133	12.7	25.1
New Hampshire	21	21	23	21	23	22	23	-0.6	6.6
New Jersey	141	143	143	145	140	143	140	-0.4	-2.1
New Mexico	56	54	49	40	54	50	63	18.4	25.8
New York, eastern	60	51	54	49	51	53	52	1.0	-2.0
New York, western	83	77	80	78	95	83	80	-15.7	-3.3
New York, metropolitan	121	148	175	176	182	160	183	0.4	13.9
North Carolina	187	198	197	246	234	212	248	6.0	16.9
North Dakota	158	156	154	156	87	142	86	-1.4	-39.4
Ohio	332	333	363	374	380	357	392	3.0	9.8
Oklahoma	142	165	164	157	150	156	161	7.3	3.7
Oregon	77	73	72	87	99	81	103	4.6	27.2
Pennsylvania, eastern	152	163	173	192	185	173	169	-8.7	-2.2
Pennsylvania, western	116	111	113	109	125 ²	115	124	-0.9	8.0
Rhode Island	11	11	10	11	15	12	12	-15.2	4.8
South Carolina	107	110	132	160	147	131	165	12.5	26.0
South Dakota	85	60	61	60	60 ²	65	82	35.7	25.4
Tennessee	121	133	141	154	148	139	184	24.4	32.4
Texas, northern	574	579	564	576	627	584	690	10.0	18.2
Texas, southern	630	748	741	609	586	663	772	31.7	16.5
Utah	115	106	123	140	162	129	155	-4.0	20.3
Vermont	15	15	9	10	12	13	15	17.0	16.1
Virginia	150	149	155	181	174	162	192	10.0	18.4
Washington	149	162	168	174	178	166	214	20.6	29.1
West Virginia	45	53	44	41	48 ²	46	46	-5.3	-0.8
Wisconsin	219	219	234	245	247	233	246	-0.1	5.9
Wyoming	38	41	43	29	35	37	34	-2.3	-8.1
Puerto Rico	58	47	44	43	49 ²	48	68	37.7	40.9
Foreign countries	122	114	79	82	67	93	64	-4.7	-31.2
Total ³	8,537	8,722	9,141	9,417	9,697 ²	9,103	10,261	5.8	12.7

¹Data are unrounded but are believed to be accurate to no more than three significant digits.

²Revised compared with last year's version of this table.

³Data may not add to totals shown because of independent rounding.

TABLE 4
CLINKER PRODUCTION, BY DISTRICT, JANUARY 2017–AUGUST 2018¹

(Metric tons)

District	2017						
	January	February	March	April	May	June	July
New England and Middle Atlantic:							
Maine and New York	62,813	34,677	35,074	81,350	70,640	152,246	154,227
Pennsylvania	194,976	81,405	226,547	335,952	364,684	270,426	351,637
District subtotal ²	257,788	116,082	261,620	417,302	435,324	422,672	505,864
East North Central:							
Illinois	91,332	96,472	130,058	69,247	91,582	100,481	133,304
Indiana, Ohio	170,657	202,075	281,570	316,124	325,895	329,823	321,033
Michigan	209,338	190,377	264,570	89,628	189,204	285,815	274,490
District subtotal ²	471,327	488,924	676,198	474,999	606,682	716,118	728,827
West North Central:							
Iowa, Nebraska, South Dakota	274,456	275,219	163,492	201,169	291,707	275,938	283,862
Kansas	118,734	74,424	221,828	225,503	199,137	136,849	195,280
Missouri	375,677	563,120	746,729	568,410	863,362	847,464	746,776
District subtotal ²	768,867	912,762	1,132,049	995,082	1,354,206	1,260,251	1,225,917
South Atlantic:							
Florida	444,297	451,681	513,141	517,545	563,588	510,190	474,569
Georgia, Maryland, Virginia, West Virginia	200,540	345,790 ^r	418,098	521,933	520,311	488,045	515,963
Puerto Rico	--	38,141	68,218	49,371	21,912	77,914	72,504
South Carolina	134,515	155,911	273,502	265,575	241,071	270,929	271,184
District subtotal ²	779,351	991,522 ^r	1,272,958	1,354,424	1,346,882	1,347,077	1,334,221
East South Central:							
Alabama, Kentucky, Tennessee	424,865	230,421	541,696	561,695	628,288	483,343	552,010
West South Central:							
Arkansas and Oklahoma	156,624	151,192	125,664	171,027	184,001	205,425	188,409
Texas, northern	256,653	350,835	411,973	304,656	429,848	449,194	536,384
Texas, southern	375,468	443,921	500,140	504,316	466,673	417,887	523,738
District subtotal ²	788,745	945,948	1,037,777	979,999	1,080,522	1,072,505	1,248,531
Mountain and Pacific:							
Arizona and New Mexico	167,338	185,316	150,456	212,655	223,701	75,994	221,194
California	602,715	647,616	619,179	713,759	793,846	894,526	866,849
Colorado and Wyoming	88,058	218,982	305,523	151,199	273,248	248,802	211,148
Montana, Nevada, Oregon, Utah, Washington	212,476	199,817	242,540	327,513	319,512	280,865	326,090
District subtotal ²	1,070,586	1,251,730	1,317,697	1,405,125	1,610,307	1,500,187	1,625,282
Grand total ²	4,561,529	4,937,391 ^r	6,239,995	6,188,628	7,062,210	6,802,154	7,220,651

See footnotes at end of tables.

TABLE 4—Continued
CLINKER PRODUCTION, BY DISTRICT, JANUARY 2017–AUGUST 2018¹

(Metric tons)

District	2017					
	August	September	October	November	December	January–December
New England and Middle Atlantic:						
Maine and New York	184,941	162,986	178,812	121,906	179,261	1,418,931
Pennsylvania	317,191	309,695	362,977	313,108	243,016	3,371,613
District subtotal ²	502,132	472,681	541,788	435,013	422,276	4,790,544
East North Central:						
Illinois	123,918	123,527	130,576	83,456	134,037	1,307,989
Indiana, Ohio	302,842	293,444	244,315	293,572	280,008	3,361,358
Michigan	292,944	274,332	256,042	257,552	231,211	2,815,502
District subtotal ²	719,703	691,303	630,933	634,580	645,255	7,484,850
West North Central:						
Iowa, Nebraska, South Dakota	284,195	248,181	286,905	289,925	286,128	3,161,178
Kansas	217,661	169,979	128,155	165,872	209,700	2,063,122
Missouri	775,317	869,617	827,624	790,346	588,600	8,563,042
District subtotal ²	1,277,173	1,287,777	1,242,685	1,246,143	1,084,428	13,787,341
South Atlantic:						
Florida	476,247	331,011	464,564	492,484	529,313	5,768,630
Georgia, Maryland, Virginia, West Virginia	473,507	529,924	506,291	450,394	464,704	5,435,500 ^f
Puerto Rico	34,166	1,787	1,754	38,497	38,088	442,352
South Carolina	283,503	187,904	209,996	257,201	238,155	2,789,445
District subtotal ²	1,267,424	1,050,626	1,182,605	1,238,576	1,270,259	14,435,927 ^f
East South Central:						
Alabama, Kentucky, Tennessee	568,976	494,918	583,684	573,905	541,130	6,184,931
West South Central:						
Arkansas and Oklahoma	207,840	199,204	191,218	221,378	175,445	2,177,426
Texas, northern	399,688	369,125	315,956	375,857	415,800	4,615,967
Texas, southern	447,020	444,880	525,470	483,310	485,889	5,618,712
District subtotal ²	1,054,547	1,013,209	1,032,644	1,080,544	1,077,134	12,412,105
Mountain and Pacific:						
Arizona and New Mexico	218,750	237,233	169,286	192,009	230,784	2,284,716
California	868,642	726,487	876,749	819,897	851,392	9,281,657
Colorado and Wyoming	302,161	291,193	195,783	288,575	248,922	2,823,592
Montana, Nevada, Oregon, Utah, Washington	333,118	364,499	311,598	310,822	269,631	3,498,481
District subtotal ²	1,722,672	1,619,411	1,553,416	1,611,303	1,600,730	17,888,447
Grand total ²	7,112,627	6,629,926	6,767,755	6,820,065	6,641,213	76,984,145 ^f

See footnotes at end of tables.

TABLE 4—Continued
CLINKER PRODUCTION, BY DISTRICT, JANUARY 2017–AUGUST 2018¹

(Metric tons)

District	2018								
	January	February	March	April	May	June	July	August	January–August
New England and Middle Atlantic:									
Maine and New York	56,333	97,320	104,608	184,286	143,940	174,317	202,923	168,421	1,132,148
Pennsylvania	141,377	80,765	221,219	284,907	371,848	334,230	357,170	244,447	2,035,962
District subtotal ²	197,709	178,085	325,827	469,192	515,788	508,547	560,092	412,868	3,168,110
East North Central:									
Illinois	111,671	58,298	51,553	34,342	105,157	110,766	90,156	87,011	648,955
Indiana, Ohio	183,218	207,070	264,504	140,654	282,429	309,484	320,828	329,995	2,038,183
Michigan	155,189	199,055	183,962	240,353	163,959	156,638	244,631	248,061	1,591,847
District subtotal ²	450,078	464,423	500,019	415,350	551,546	576,889	655,614	665,066	4,278,986
West North Central:									
Iowa, Nebraska, South Dakota	254,554	196,390	160,351	263,901	286,004	259,758	276,296	237,052	1,934,306
Kansas	202,959	50,263	94,870	202,029	210,394	225,325	173,388	221,542	1,380,771
Missouri	361,174	638,316	703,418	552,430	882,284	751,645	783,266	865,544	5,538,078
District subtotal ²	818,687	884,970	958,639	1,018,361	1,378,682	1,236,728	1,232,951	1,324,138	8,853,155
South Atlantic:									
Florida	525,659	421,483	498,869	500,411	540,857	503,791	535,978	506,004	4,033,052
Georgia, Maryland, Virginia, West Virginia	170,367	310,736	382,285	510,049	547,955	475,405	522,435	451,912	3,371,145
Puerto Rico	W	W	W	W	W	W	W	W	W
South Carolina	122,611	134,578	277,659	294,721	260,310	257,295	211,810	229,963	1,788,948
District subtotal ^{2, 3}	818,637	866,797	1,158,814	1,305,182	1,349,123	1,236,490	1,270,222	1,187,880	9,193,145
East South Central:									
Alabama, Kentucky, Tennessee	343,467	239,958	453,578	603,626	577,491	568,751	599,219	520,614	3,906,704
West South Central:									
Arkansas and Oklahoma	176,490	171,590	184,216	159,251	206,911	211,902	237,951	248,109	1,596,419
Texas, northern	244,380	332,318	354,570	502,729	513,446	544,048	488,939	508,309	3,488,740
Texas, southern	366,682	409,754	492,007	448,941	518,142	346,385	477,064 ^r	488,147	3,547,123
District subtotal ²	787,553	913,661	1,030,793	1,110,922	1,238,499	1,102,335	1,203,954 ^r	1,244,565	8,632,282
Mountain and Pacific:									
Arizona and New Mexico	175,988	205,392	215,964	207,637	245,750	169,074	220,744	262,319	1,702,869
California	639,058	694,596	677,927	785,123	814,961	910,413	904,570	813,930	6,240,579
Colorado and Wyoming	209,433	71,555	211,049	211,900	131,079	280,404	317,193	274,379	1,706,992
Montana, Nevada, Oregon, Utah, Washington	284,662	164,174	321,842	321,966	336,703	342,261	329,722	344,723	2,446,053
District subtotal ²	1,309,141	1,135,718	1,426,782	1,526,627	1,528,493	1,702,151	1,772,229	1,695,351	12,096,493
Grand total ^{2, 3}	4,725,273	4,683,612	5,854,450	6,449,260	7,139,622	6,931,891	7,294,283 ^r	7,050,483	50,128,874

^rRevised. W Withheld to avoid disclosing company proprietary data; included in totals. -- Zero.

¹Data are unrounded but are believed to be accurate to no more than three significant digits.

²Data may not add to totals shown because of independent rounding.

³Excludes Puerto Rico.

TABLE 5

HYDRAULIC CEMENT AND CLINKER IMPORTED FOR CONSUMPTION IN THE UNITED STATES BY CUSTOMS DISTRICT AND COUNTRY OR LOCALITY, AUGUST 2018¹

(Metric tons, unless otherwise specified)

Customs district	Belgium	Canada	China	Colombia	Croatia	Denmark	Egypt	France	Germany	Greece	Ireland	Italy
Anchorage, AK	--	--	--	--	--	--	--	--	--	--	--	--
Baltimore, MD	--	--	--	--	--	--	--	--	--	--	--	--
Boston, MA	--	--	--	--	--	--	--	16	--	--	--	--
Buffalo, NY	--	56,623	--	--	--	--	--	--	--	--	--	--
Charleston, SC	--	--	--	--	--	--	--	--	--	--	--	--
Chicago, IL	2	--	--	--	--	--	--	20	1	--	--	2
Cleveland, OH	--	99,677	--	--	--	--	--	--	--	--	--	--
Columbia-Snake, ID OR WA	--	9,280	22,050	--	--	--	--	--	--	--	--	--
Detroit, MI ³	--	150,331	240	--	--	--	--	--	--	--	--	--
El Paso, TX ⁴	--	--	36	--	--	--	--	--	--	--	--	--
Great Falls, MT	--	24,839	--	--	--	--	--	--	--	--	--	--
Honolulu, HI	--	--	--	--	--	--	--	--	--	--	--	--
Houston-Galveston, TX	--	--	45,156	--	--	--	6,362	--	20	--	--	38,502
Laredo, TX	--	--	--	--	--	--	--	--	--	--	--	--
Los Angeles, CA	--	--	810	--	--	2	2,080	--	--	--	--	--
Miami, FL	--	--	--	--	--	--	3,394	--	--	--	--	--
Milwaukee, WI	--	--	--	--	--	--	--	--	--	--	--	--
Minneapolis, MN	--	--	--	--	--	--	--	--	--	--	19,470	--
Mobile, AL	--	--	--	--	--	--	--	--	--	--	--	--
New Orleans, LA	--	--	32,014	138	--	--	--	--	--	--	--	--
New York City, NY	--	3,620	--	--	--	6,011	--	1	--	75,670	--	--
Norfolk, VA	--	--	230	25,000	--	--	--	124	--	--	--	--
Ogdensburg, NY	--	30,262	--	--	--	--	--	--	--	1	--	--
Pembina, ND	--	19,353	--	--	--	--	--	--	--	--	--	--
Philadelphia, PA	--	--	90	--	--	--	--	--	19	43,650	--	--
Portland, ME	--	3,920	--	--	--	--	--	--	--	--	--	--
Providence, RI	--	30,257	--	--	--	--	--	--	--	--	--	--
San Diego, CA	--	--	--	--	--	--	--	--	--	--	--	--
San Francisco, CA	--	--	132,623	--	--	--	884	--	--	--	--	--
San Juan, PR	--	--	--	--	--	--	--	--	--	--	--	--
Savannah, GA	--	--	--	--	--	--	1,350	--	--	--	--	--
Seattle, WA ³	--	106,453	31,238	--	--	--	--	--	--	--	--	--
St. Albans, VT	--	55,058	--	--	--	--	--	--	--	--	--	--
St. Louis, MO	--	--	--	--	99	--	--	--	--	--	--	--
Tampa, FL	--	--	--	--	--	--	--	--	--	44,000	--	--
Wilmington, NC	--	--	--	--	--	--	--	--	--	--	--	--
Total:												
Quantity ^{3,4}	2	589,673	264,487	25,138	99	6,013	14,070	161	40	163,321	19,470	38,504
Value ^{2,3,4}	\$13,068	\$64,277,848	\$18,202,964	\$2,362,738	\$78,980	\$1,117,649	\$2,113,319	\$185,353	\$19,521	\$9,654,255	\$1,759,641	\$2,851,299

See footnotes at end of table.

TABLE 5—Continued

HYDRAULIC CEMENT AND CLINKER IMPORTED FOR CONSUMPTION IN THE UNITED STATES BY CUSTOMS DISTRICT AND COUNTRY OR LOCALITY, AUGUST 2018¹

(Metric tons, unless otherwise specified)

Customs district	Japan	Korea, Republic of	Mexico	Netherlands	Poland	Portugal	Spain	Sweden	Thailand	Turkey	United Kingdom
Anchorage, AK	--	24,150	--	--	--	--	--	--	--	--	--
Baltimore, MD	--	--	--	--	--	--	--	40	--	--	--
Boston, MA	--	--	--	18	--	--	--	--	--	--	--
Buffalo, NY	--	--	--	--	--	--	--	--	--	--	--
Charleston, SC	--	--	--	--	--	--	18	--	--	--	--
Chicago, IL	--	--	--	--	19	--	--	--	--	--	--
Cleveland, OH	--	33	--	94	84	--	--	--	--	--	--
Columbia-Snake, ID OR WA	--	30,800	--	--	--	--	--	--	--	--	--
Detroit, MI ³	--	--	--	--	--	--	--	--	--	--	--
El Paso, TX ⁴	--	--	45,711	--	--	--	--	--	--	--	--
Great Falls, MT	--	--	--	--	--	--	--	--	--	--	--
Honolulu, HI	--	--	--	--	--	--	--	--	--	--	--
Houston-Galveston, TX	--	--	18,998	--	475	--	24,000	--	--	57,321	--
Laredo, TX	--	--	16,160	--	--	--	--	--	--	--	--
Los Angeles, CA	5	--	--	--	--	--	--	--	671	3,532	--
Miami, FL	--	--	--	--	--	--	12,514	44,568	--	6,875	--
Milwaukee, WI	--	--	--	--	--	--	--	--	--	--	--
Minneapolis, MN	--	--	--	--	--	--	--	--	--	--	--
Mobile, AL	--	--	--	--	--	--	--	--	--	--	--
New Orleans, LA	--	--	--	--	--	--	--	--	--	--	--
New York City, NY	--	--	--	--	--	--	--	--	--	56,525	--
Norfolk, VA	--	--	--	19	--	--	--	--	--	--	--
Ogdensburg, NY	--	--	--	--	--	--	--	--	--	--	--
Pembina, ND	--	--	--	--	--	--	--	--	--	--	--
Philadelphia, PA	--	--	--	94	--	--	--	--	--	25,628	24
Portland, ME	--	--	--	--	--	--	--	--	--	--	--
Providence, RI	--	--	--	--	--	--	--	--	--	10,500	--
San Diego, CA	--	--	159	--	--	--	--	--	--	--	--
San Francisco, CA	--	--	28,000	--	--	--	--	--	1,482	243	--
San Juan, PR	--	--	596	--	--	243	--	--	--	--	--
Savannah, GA	--	--	--	--	21	--	--	--	--	814	--
Seattle, WA ³	95	--	--	19	20	--	--	--	--	--	--
St. Albans, VT	--	--	--	--	--	--	--	--	--	--	--
St. Louis, MO	--	--	--	--	43	--	--	--	--	--	--
Tampa, FL	--	--	--	--	--	--	--	--	--	--	--
Wilmington, NC	--	--	--	--	--	--	--	--	--	--	--
Total:											
Quantity ^{3,4}	100	54,983	109,624	244	662	243	36,532	44,608	2,153	161,438	24
Value ^{2,3,4}	\$55,620	\$3,316,486	\$11,102,250	\$279,095	\$709,067	\$57,060	\$3,275,051	\$3,422,907	\$389,121	\$13,568,680	\$27,506

See footnotes at end of table.

TABLE 5—Continued
HYDRAULIC CEMENT AND CLINKER IMPORTED FOR CONSUMPTION IN THE UNITED STATES
BY CUSTOMS DISTRICT AND COUNTRY OR LOCALITY, AUGUST 2018¹

(Metric tons, unless otherwise specified)

Customs district	August		Country or locality	January–August	
	Total	January–August		Quantity	Value ²
Anchorage, AK	24,150	74,349	Bahamas	14	\$15,182
Baltimore, MD	40	958	Belgium	2	13,068
Boston, MA	34	28,999	Brazil	4,219	2,633,234
Buffalo, NY	56,623	288,949	Bulgaria	31,000	2,770,577
Charleston, SC	18	20,451	Canada ³	3,403,378	358,105,304
Chicago, IL	44	263	China	1,413,546	96,463,540
Cleveland, OH	99,888	430,736	Colombia	47,341	5,130,693
Columbia-Snake, ID OR WA	62,130	459,616	Croatia	17,398	7,589,477
Detroit, MI ³	150,571	903,543	Denmark	124,511	17,815,366
El Paso, TX ⁴	45,747	289,439	Dominican Republic	10	4,954
Great Falls, MT	24,839	138,300	Egypt	92,863	12,632,909
Honolulu, HI	--	195,000	France	79,894	27,144,259
Houston-Galveston, TX	190,834	1,556,949	Germany	861	512,931
Laredo, TX	16,160	156,420	Greece	1,304,133	83,176,792
Los Angeles, CA	7,100	95,765	India	63	88,177
Miami, FL	67,351	441,900	Ireland	19,470	1,759,641
Milwaukee, WI	--	7,324	Italy	77,014	5,701,039
Minneapolis, MN	19470	38,820	Japan	486	493,867
Mobile, AL	--	19	Korea, Republic of	471,913	27,956,013
New Orleans, LA	32,152	128,181	Mexico ⁴	657,285	70,608,215
New York City, NY	141,827	771,019	Morocco	12,020	970,006
Norfolk, VA	25,373	247,854	Netherlands	1,912	2,291,142
Ogdensburg, NY	30,263	190,433	New Zealand	1	6,739
Pembina, ND	19,353	110,854	Poland	4,985	5,072,445
Philadelphia, PA	69,505	316,058	Portugal	3,774	621,906
Portland, ME	3,920	14,798	South Africa	56	59,704
Providence, RI	40,757	278,371	Spain	357,028	28,487,033
San Diego, CA	159	1,625	Sweden	280,907	20,726,773
San Francisco, CA	163,232	911,148	Taiwan	195,042	13,833,445
San Juan, PR	839	241,321	Thailand	15,940	3,097,171
Savannah, GA	2,185	132,424	Turkey	1,438,849	111,819,095
Seattle, WA ³	137,825	900,482	United Kingdom	260	260,301
St. Albans, VT	55,058	238,773	Total ^{2, 3, 4}	10,056,175	907,860,998
St. Louis, MO	142	471			
Tampa, FL	44,000	420,475			
Wilmington, NC	--	24,088			
Total:					
Quantity ^{3, 4}	1,531,589	10,056,175			
Value ^{2, 3, 4}	\$138,839,478	\$907,860,998			

-- Zero.

¹Includes white cement and clinker.

²Value = c.i.f. (cost, insurance, and freight).

³Data for the Detroit and Seattle districts for imports from Canada are thought to be underrepresented with respect to clinker.

⁴Data for the El Paso district for imports from Mexico are believed to be underrepresented with respect to cement.

Source: U.S. Census Bureau.

TABLE 6
 WHITE CEMENT IMPORTED FOR CONSUMPTION IN THE UNITED STATES BY CUSTOMS DISTRICT
 AND COUNTRY OR LOCALITY, AUGUST 2018^{1,2}

(Metric tons, unless otherwise specified)

Customs district	Canada	China	Denmark	Egypt	Greece	Mexico	Portugal	Spain	Thailand	Turkey
Buffalo, NY	6,467	--	--	--	--	--	--	--	--	--
Charleston, SC	--	--	--	--	--	--	--	--	--	--
Detroit, MI	25,455	--	--	--	--	--	--	--	--	--
El Paso, TX	--	--	--	--	--	2,490	--	--	--	--
Houston-Galveston, TX	--	156	--	6,362	--	--	--	--	--	5,796
Laredo, TX	--	--	--	--	--	16,160	--	--	--	--
Los Angeles, CA	--	810	--	2,080	--	--	--	--	671	3,532
Miami, FL	--	--	--	3,394	--	--	--	12,514	--	6,875
New Orleans, LA	--	--	--	--	--	--	--	--	--	--
New York City, NY	--	--	6,011	--	--	--	--	--	--	--
Ogdensburg, NY	261	--	--	--	1	--	--	--	--	--
Pembina, ND	--	--	--	--	--	--	--	--	--	--
Philadelphia, PA	--	--	--	--	--	--	--	--	--	5,628
San Diego, CA	--	--	--	--	--	159	--	--	--	--
San Francisco, CA	--	405	--	884	--	--	--	--	1,482	243
San Juan, PR	--	--	--	--	--	596	243	--	--	--
Savannah, GA	--	--	--	1,350	--	--	--	--	--	--
Seattle, WA	73	102	--	--	--	--	--	--	--	--
St. Albans, VT	--	--	--	--	--	--	--	--	--	--
Tampa, FL	--	--	--	--	--	--	--	--	--	--
Total:										
Quantity	32,256	1,473	6,011	14,070	1	19,405	243	12,514	2,153	22,074
Value ³	\$4,245,552	\$218,242	\$1,112,036	\$2,113,319	\$2,741	\$2,993,679	\$57,060	\$1,677,536	\$389,121	\$3,897,437

See footnotes at end of table.

TABLE 6—Continued
 WHITE CEMENT IMPORTED FOR CONSUMPTION IN THE UNITED STATES
 BY CUSTOMS DISTRICT AND COUNTRY OR LOCALITY, AUGUST 2018^{1,2}

(Metric tons, unless otherwise specified)

Customs district	August	January–August	Country or locality	January–August	
	Total			Quantity	Value ³
Buffalo, NY	6,467	41,630	Canada	209,654	\$28,323,281
Charleston, SC	--	2,553	China	25,410	2,479,522
Detroit, MI	25,455	165,864	Denmark	124,383	17,793,457
El Paso, TX	2,490	19,921	Egypt	91,877	12,556,852
Houston–Galveston, TX	12,314	120,048	Germany	1	3,512
Laredo, TX	16,160	116,062	Greece	80,001	5,115,541
Los Angeles, CA	7,093	57,344	Mexico	143,878	22,520,174
Miami, FL	22,783	139,891	New Zealand	1	6,739
New Orleans, LA	--	343	Portugal	3,774	621,906
New York City, NY	6,011	19,491	Spain	75,134	10,002,446
Ogdensburg, NY	262	1,895	Taiwan	42	7,945
Pembina, ND	--	3	Thailand	15,940	3,097,171
Philadelphia, PA	5,628	27,353	Turkey	186,098	26,909,230
San Diego, CA	159	1,625	Total	956,193	129,437,776
San Francisco, CA	3,014	21,536			
San Juan, PR	839	10,212			
Savannah, GA	1,350	90,067			
Seattle, WA	175	1,966			
St. Albans, VT	--	19			
Tampa, FL	--	118,370			
Total:					
Quantity	110,200	956,193			
Value ³	\$16,706,723	\$129,437,776			

-- Zero.

¹Data included in table 5.

²Imports calculating to less than about \$100 per metric ton likely are, or include, gray portland cement that was misregistered by the importer under the white cement tariff code.

³Value = c.i.f. (cost, insurance, and freight).

Source: U.S. Census Bureau.

TABLE 7
CLINKER IMPORTED FOR CONSUMPTION IN THE UNITED STATES BY CUSTOMS DISTRICT AND COUNTRY OR LOCALITY, AUGUST 2018¹

(Metric tons, unless otherwise specified)

Customs district	Canada	China	Turkey	August	January–August	Country or locality	January–August	
				Total			Quantity	Value ²
Baltimore, MD	--	--	--	--	304	Bahamas	14	\$15,182
Chicago, IL	--	--	--	--	20	Canada ³	412,653	32,318,551
Detroit, MI ³	70,412	240	--	70,652	413,789	China	4,267	1,363,550
Houston-Galveston, TX	--	--	--	--	39,007	France	79,139	26,289,726
Miami, FL	--	--	--	--	14	Germany	12	8,253
New Orleans, LA	--	1,254	--	1,254	2,687	Spain	44,000	2,250,601
New York City, NY	--	--	32,525	32,525	64,815	Turkey	237,943	13,718,471
Norfolk, VA	--	--	--	--	79,131	Total	778,028	75,964,334
San Juan, PR	--	--	--	--	178,121			
Seattle, WA	--	--	--	--	140			
Total:								
Quantity	70,412	1,494	32,525	104,431	778,028			
Value ²	\$5,513,228	\$457,785	\$2,074,681	\$8,055,694	\$75,964,334			

-- Zero.

¹Data are included in table 5.

²Value = c.i.f. (cost, insurance, and freight).

³Data for the Detroit and Seattle districts for imports from Canada are thought to be underrepresented with respect to clinker.

Source: U.S. Census Bureau.