

Mineral Industry Surveys

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CEMENT IN MAY 2017

This report provides monthly data on the shipments of cement to final customers and the production of clinker in the United States from January 2016 through May 2017.¹ Data on the imports of cement and clinker for May 2017 are also provided.

Total shipments of portland and blended cement in the United States and Puerto Rico in May 2017 were about 8.8 million metric tons (Mt), up by 8.2% from sales in May 2016 (tables 2A and 2B). The leading producing States for portland and blended cement in May 2017 were Texas, California, Missouri, Florida, and Michigan, in descending order (table 1A), and these accounted for 42% of the month's total sales. The leading cement-consuming States (Texas, California, Florida, Ohio, and New York, in descending order) received about 40% of the May shipments (tables 2A and 2B). Shipments for the year through May were 35.4 Mt, up by about 2% from those in the same period in 2016.

Clinker production totaled 7.1 Mt in May 2017, up slightly from the output in May 2016 (table 4). The leading clinker-producing States in May were, in descending order, Texas, California, Missouri, Florida, and Pennsylvania, and these States accounted for 49% for the month's total production. Clinker production for the year through May totaled 29.0 Mt, down slightly from that of the same period in 2016.

Masonry cement shipments of about 216,000 metric tons (t) in May 2017 were up by 7.8% from those in May 2016 (table 2C). The leading masonry-cement-consuming States were, in descending order, Florida, Texas, California, North Carolina,

and Georgia; these received 55% of May's shipments. Masonry cement shipments for the year through May were 996,000 t, up by 2.7% from those of the same period in 2016.

Tables 5, 6, and 7 contain 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 are missing significant informal entries. For some time, imports have been increasing at rates generally higher than those for cement sales overall. In part, this reflects the collapse of imports during the recession (hence a low basis for comparison), but also the relatively low cost of imports resulting from a combination of low bunker fuel costs, modest ship chartering rates, increased ship availability, and a strong dollar. In some regions, imports are offsetting domestic production constraints related to difficulties in bringing long-idle extra kilns back online. Also, clinker imports have increased, likely temporarily, ahead of expected disruptions to kiln output at certain plants that are undergoing upgrades. After an uncharacteristic decrease of 26% (year-over-year) in April, May 2017 imports of cement and clinker of about 1.4 Mt were almost 2% higher than those in May 2016. As listed, imports for the year through May totaled 4.9 Mt, down slightly from those of the same period in 2016; however, within the 2017 total, the January imports were understated by nearly 28,000 t of gray portland cement imported into the San Francisco Customs district under a tariff code for another commodity.

¹Footnoted revisions to the historical data are those received since the publication of the previous month's edition of this report. Data for the current month may contain revisions (not indicated by footnotes) received since the publication of the preliminary edition of the current month's report.

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TABLE 1A
 PORTLAND AND BLENDED CEMENT SHIPMENTS, BY DISTRICT OF ORIGIN, JANUARY 2016–MAY 2017^{1,2}

(Metric tons)

District	2016						
	January	February	March	April	May	June	July
New England and Middle Atlantic:							
Maine and New York	101,499	84,813	134,699	144,860	156,210	173,981	146,308
Pennsylvania	194,629	205,374	312,137	316,247	330,766	379,168	333,353
District subtotal ³	296,128	290,187	446,836	461,108	486,976	553,149	479,661
East North Central:							
Illinois	68,998	67,040	96,671	119,359	155,754	171,119	127,699
Indiana	93,739	112,450	176,472	210,264	237,090	272,985	287,511 ⁴
Michigan	106,062	115,156	159,731	273,833	391,721	463,451	413,029
Ohio	27,756	32,343	66,545	88,169	92,176	108,342	(4)
District subtotal ³	296,555	326,989	499,418	691,625	876,741	1,015,897	828,238
West North Central:							
Iowa, Nebraska, South Dakota	98,726 ^r	93,573 ^r	184,197 ^r	248,957 ^r	320,375	412,233	377,989
Kansas	118,491	153,808	184,997	176,816	167,639	227,455	196,482
Missouri	306,385	383,464	622,450 ^r	674,959 ^r	740,966 ^r	925,806	744,235
District subtotal ³	523,603 ^r	630,846 ^r	991,643 ^r	1,100,732 ^r	1,228,980 ^r	1,565,494	1,318,705
South Atlantic:							
Florida	446,787	536,241	563,063	517,650	494,037	506,593	471,342
Georgia, Maryland, Virginia, West Virginia	316,996	334,715	521,633	487,978	484,349	587,228	500,122
Puerto Rico	35,751	41,702	48,200	39,893	48,524	42,395	38,507
South Carolina	198,967	219,109	322,152	263,980	224,430	262,452	223,362
District subtotal ³	998,500	1,131,767	1,455,049	1,309,501	1,251,339	1,398,668	1,233,333
East South Central:							
Alabama, Kentucky, Tennessee	459,826	508,105	647,485	593,665	630,193	701,347	592,264
West South Central:							
Arkansas and Oklahoma	177,764	191,695	209,506	200,824	202,652	231,809	178,674
Texas, northern	382,045	438,120	370,198	351,701	354,252	418,866	428,227
Texas, southern	488,468	544,415	550,755	497,064	444,862	516,980	516,045
District subtotal ³	1,048,277	1,174,230	1,130,459	1,049,589	1,001,765	1,167,656	1,122,945
Mountain and Pacific:							
Arizona and New Mexico	142,783	183,693	204,963	187,348	194,301	195,718	169,942
California	621,012	753,053	851,889	808,099	820,464	889,226	817,257
Colorado and Wyoming	136,719	147,078	204,142	245,955	291,728	382,466	321,111
Montana, Nevada, Oregon, Utah							
Washington	202,384	230,487	291,421	315,895	354,069	398,857	354,445
District subtotal ³	1,102,897	1,314,311	1,552,416	1,557,297	1,660,561	1,866,267	1,662,755
U.S. total ³	4,725,786 ^r	5,376,436 ^r	6,723,305 ^r	6,763,516 ^r	7,136,556 ^r	8,268,477	7,237,901
Imports ⁵	541,197	634,619	771,196	919,379	1,022,992	1,059,386	967,975
Grand total ³	5,266,983 ^r	6,011,055 ^r	7,494,501 ^r	7,682,895 ^r	8,159,548 ^r	9,327,863	8,205,876

See footnotes at end of table.

TABLE 1A—Continued
 PORTLAND AND BLENDED CEMENT SHIPMENTS, BY DISTRICT OF ORIGIN, JANUARY 2016–MAY 2017^{1,2}

(Metric tons)

District	2016					
	August	September	October	November	December	January–December
New England and Middle Atlantic:						
Maine and New York	177,561	181,317	177,653	144,428	121,191	1,744,519
Pennsylvania	404,178	358,056	371,843	327,712	253,054	3,786,519
District subtotal ³	581,739	539,373	549,496	472,141	374,245	5,531,038
East North Central:						
Illinois	162,461	160,459	157,392	132,384	73,665	1,493,000
Indiana	364,810 ⁴	348,102 ⁴	382,974 ⁴	342,169 ⁴	199,990 ⁴	3,443,889 ⁴
Michigan	470,019	411,821	437,388	343,232	158,709	3,744,151
Ohio	(4)	(4)	(4)	(4)	(4)	(4)
District subtotal ³	997,289	920,382	977,755	817,785	432,365	8,681,039
West North Central:						
Iowa, Nebraska, South Dakota	438,260	408,768	414,606	296,927	128,102	3,422,713 ^r
Kansas	229,071	206,698	218,010	188,382	138,221	2,206,068
Missouri	940,588	930,128	974,593	812,043	532,123	8,587,740 ^r
District subtotal ³	1,607,918	1,545,594	1,607,210	1,297,352	798,445	14,216,521 ^r
South Atlantic:						
Florida	523,353	495,914	484,576	498,198	482,342	6,020,095
Georgia, Maryland, Virginia, West Virginia	568,977	492,748	567,888	508,541	395,418	5,766,594
Puerto Rico	38,437	34,981	33,916	32,421	37,249	471,976
South Carolina	261,881	229,892	234,617	239,549	195,914	2,876,304
District subtotal ³	1,392,649	1,253,536	1,320,997	1,278,709	1,110,923	15,134,969
East South Central:						
Alabama, Kentucky, Tennessee	657,530	613,071	617,944	571,185	426,143	7,018,758
West South Central:						
Arkansas and Oklahoma	223,940	218,084	220,332	179,898	164,890	2,400,066
Texas, northern	441,178	438,013	455,804	380,418	378,837	4,837,658
Texas, southern	484,081	502,100	517,050	472,115	469,481	6,003,416
District subtotal ³	1,149,199	1,158,196	1,193,186	1,032,431	1,013,208	13,241,141
Mountain and Pacific:						
Arizona and New Mexico	184,543	174,172	197,430	181,422	170,615	2,186,930
California	930,891	830,513	818,582	781,267 ^r	723,255	9,645,508 ^r
Colorado and Wyoming	364,808	318,886	305,358	246,573	157,103	3,121,927
Montana, Nevada, Oregon, Utah						
Washington	406,242	387,981	370,604	329,921	208,046	3,850,352
District subtotal ³	1,886,484	1,711,552	1,691,974	1,539,182 ^r	1,259,019	18,804,717 ^r
U.S. total ³	8,272,808	7,741,704	7,958,563	7,008,784 ^r	5,414,348	82,628,182 ^r
Imports ⁵	1,143,865	1,065,482	1,024,364	882,208	629,737	10,662,401
Grand total ³	9,416,673	8,807,186	8,982,927	7,890,993 ^r	6,044,085	93,290,584 ^r

See footnotes at end of table.

TABLE 1A—Continued
 PORTLAND AND BLENDED CEMENT SHIPMENTS, BY DISTRICT OF ORIGIN, JANUARY 2016–MAY 2017^{1,2}

(Metric tons)

District	2017					
	January	February	March	April	May	January–May
New England and Middle Atlantic:						
Maine and New York	93,612	83,483	104,874	129,799	165,500	577,267
Pennsylvania	211,327	222,031	258,375	304,508	354,770	1,351,012
District subtotal ³	304,938	305,514	363,250	434,308	520,270	1,928,279
East North Central:						
Illinois	72,381	71,660	89,185	94,552	124,635	452,413
Indiana	159,237 ⁴	188,714 ⁴	230,698 ⁴	285,679 ⁴	325,385 ⁴	1,189,711 ⁴
Michigan	109,864	121,644	155,090	255,005	366,658	1,008,261
Ohio	(4)	(4)	(4)	(4)	(4)	(4)
District subtotal ³	341,481	382,018	474,973	635,236	816,677	2,650,385
West North Central:						
Iowa, Nebraska, South Dakota	94,315	116,063	176,347	252,402	367,798	1,006,925
Kansas	122,814	156,853	207,607	203,698	218,795	909,767
Missouri	431,413	551,961	645,413	713,037	807,971	3,149,795
District subtotal ³	648,542	824,877	1,029,367	1,169,137	1,394,564	5,066,488
South Atlantic:						
Florida	482,157	451,353	558,609	517,056 ^r	551,906	2,561,080
Georgia, Maryland, Virginia, West Virginia	355,134	399,545	459,673	462,532	511,946	2,188,831
Puerto Rico	36,304	34,582	37,368	37,683	43,060	188,997
South Carolina	209,913	241,265	266,834	227,105	256,600	1,201,716
District subtotal ³	1,083,507	1,126,745	1,322,484	1,244,375 ^r	1,363,513	6,140,624
East South Central:						
Alabama, Kentucky, Tennessee	429,548	492,467	569,478	519,131	559,980	2,570,604
West South Central:						
Arkansas and Oklahoma	168,166	158,165	201,300	169,945	203,112	900,688
Texas, northern	346,404	397,449	474,547	412,414	476,800	2,107,614
Texas, southern	508,913	553,099	612,543	501,115	571,459	2,747,129
District subtotal ³	1,023,482	1,108,713	1,288,390	1,083,475	1,251,371	5,755,430
Mountain and Pacific:						
Arizona and New Mexico	169,985	169,410	210,982	192,445	199,183	942,005
California	561,168	616,383	890,277	847,170	963,820	3,878,818
Colorado and Wyoming	137,923	175,114	234,179	231,059	261,386	1,039,661
Montana, Nevada, Oregon, Utah						
Washington	171,489	197,896	302,660	313,791	405,388	1,391,224
District subtotal ³	1,040,565	1,158,803	1,638,098	1,584,465	1,829,778	7,251,708
U.S. total ³	4,872,063	5,399,136	6,686,040	6,670,127 ^r	7,736,152	31,363,517
Imports ⁵	568,602	634,342	807,809	891,241	1,093,510	3,995,504
Grand total ³	5,440,665	6,033,478	7,493,849	7,561,368 ^r	8,829,662	35,359,021

^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.

⁴Beginning with July 2016, data for Indiana and Ohio have been combined to avoid disclosing proprietary data.

⁵As reported by domestic and Canadian cement manufacturers and other importers.

TABLE 1B
MASONRY CEMENT SHIPMENTS, BY DISTRICT OF ORIGIN, JANUARY 2016–MAY 2017^{1,2}

(Metric tons)

District	2016						
	January	February	March	April	May	June	July
New England and Middle Atlantic:							
Maine and New York	951	826	2,972	2,241	2,761	2,761	2,741
Pennsylvania	8,348	8,856	15,585	13,329	13,593	15,579	13,817
District subtotal ³	9,299	9,681	18,557	15,570	16,354	18,340	16,558
East North Central:							
Illinois	W	W	W	W	W	W	W
Indiana	W	W	W	W	W	W	W
Michigan	3,307	3,652	6,153	6,563	7,664	10,797	8,113
Ohio	1,783	2,169	4,070	4,157	4,418	5,069	W
District subtotal ³	15,992	19,222	31,130	31,663	31,573	38,307	31,699
West North Central:							
Iowa, Nebraska, South Dakota	W	W	W	W	W	W	W
Kansas	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W
District subtotal	2,162	2,641 ^r	4,091	3,660	3,253	1,150	2,356
South Atlantic:							
Florida	33,205	34,077	41,456	36,834	33,028	36,986	35,788
Georgia, Maryland, Virginia, West Virginia	18,351	19,596	27,279	25,234	25,047	28,811	24,557
Puerto Rico	--	--	--	--	--	--	--
South Carolina	12,868	14,440	19,349	16,646	15,434	17,817	16,520
District subtotal ³	64,423	68,112	88,084	78,714	73,509	83,614	76,864
East South Central:							
Alabama, Kentucky, Tennessee	15,864	18,021	23,100	22,294	21,784	23,831	19,254
West South Central:							
Arkansas and Oklahoma	7,816	8,554	9,713	7,616	8,315	9,046	7,950
Texas	25,173	26,263	27,017	26,352	25,413	26,948	25,564
District subtotal ³	32,989	34,817	36,730	33,968	33,728	35,993	33,513
Mountain and Pacific:							
Arizona, Colorado, Montana, Nevada, New Mexico, Utah, Wyoming	2,582	2,667	3,063	2,756	2,834	3,142	2,597
California	14,329	16,524	24,701	15,234	15,629	20,205	17,702
District subtotal ³	16,911	19,191	27,763	17,990	18,463	23,346	20,299
U.S. total ³	157,639	171,687 ^r	229,456	203,858	198,664	224,582	200,543
Imports ⁵	1,170	1,062	1,976	1,905	2,019	2,243	1,757
Grand total ³	158,809	172,749 ^r	231,432	205,763	200,684	226,825	202,300

See footnotes at end of table.

TABLE 1B—Continued
MASONRY CEMENT SHIPMENTS, BY DISTRICT OF ORIGIN, JANUARY 2016–MAY 2017^{1,2}

(Metric tons)

District	2016					
	August	September	October	November	December	January–December
New England and Middle Atlantic:						
Maine and New York	3,151	2,485	2,619	1,904	1,140	26,550
Pennsylvania	15,295	14,578	14,839	12,530	8,872	155,222
District subtotal ³	18,446	17,062	17,458	14,434	10,013	181,772
East North Central:						
Illinois	W	W	W	W	W	W
Indiana	W	W	W	W	W	W
Michigan	8,313	7,916	7,285	6,533	3,715	80,011
Ohio	W	W	W	W	W	21,665 ⁴
District subtotal ³	34,026	32,036	32,235	29,973	22,891	350,747
West North Central:						
Iowa, Nebraska, South Dakota	W	W	W	W	W	W
Kansas	W	W	W	W	W	W
Missouri	W	W	W	W	W	W
District subtotal	3,630	3,607	3,931	3,335	3,034	36,849 ^r
South Atlantic:						
Florida	33,154	34,387	33,833	36,168	36,245	425,159
Georgia, Maryland, Virginia, West Virginia	26,988	25,048	25,507	24,842	18,577	289,838
Puerto Rico	--	--	--	--	--	--
South Carolina	18,290	16,409	16,239	17,495	14,176	195,682
District subtotal ³	78,432	75,844	75,579	78,505	68,998	910,679
East South Central:						
Alabama, Kentucky, Tennessee	22,402	21,104	21,508	19,977	14,699	243,838
West South Central:						
Arkansas and Oklahoma	8,204	8,327	9,175	8,511	7,365	100,591
Texas	26,226	27,469	27,227	24,206	22,787	310,644
District subtotal ³	34,429	35,796	36,403	32,718	30,151	411,235
Mountain and Pacific:						
Arizona, Colorado, Montana, Nevada, New Mexico, Utah, Wyoming	2,883	2,551	2,631	2,488	2,327	32,521
California	19,533	19,743	19,596	16,807	15,667	215,671
District subtotal ³	22,416	22,294	22,227	19,296	17,994	248,191
U.S. total ³	213,780	207,744	209,340	198,238	167,779	2,383,310 ^r
Imports ⁵	2,202	2,032	1,764	1,701	1,256	21,088
Grand total ³	215,982	209,776	211,105	199,939	169,035	2,404,399 ^r

See footnotes at end of table.

TABLE 1B—Continued
MASONRY CEMENT SHIPMENTS, BY DISTRICT OF ORIGIN, JANUARY 2016–MAY 2017^{1,2}

(Metric tons)

District	2017					January–May
	January	February	March	April	May	
New England and Middle Atlantic:						
Maine and New York	981	840	1,686	2,807	3,211	9,525
Pennsylvania	9,353	8,560	11,285	11,742	14,063	55,004
District subtotal ³	10,334	9,400	12,972	14,549	17,275	64,529
East North Central:						
Illinois	W	W	W	W	W	W
Indiana	W	W	W	W	W	W
Michigan	3,505	4,428	5,205	6,415	7,909	27,461
Ohio	W	W	W	W	W	W
District subtotal ³	21,162	23,264	26,176	27,170	28,621	126,393
West North Central:						
Iowa, Nebraska, South Dakota	W	W	W	W	W	W
Kansas	W	W	W	W	W	W
Missouri	W	W	W	W	W	W
District subtotal	2,374	2,928	3,575	3,046	3,065	14,989
South Atlantic:						
Florida	39,463	35,739	44,163	37,222	42,672	199,258
Georgia, Maryland, Virginia, West Virginia	21,482	23,375	26,626	23,920	26,378	121,781
Puerto Rico	--	--	--	--	--	--
South Carolina	15,501	16,254	18,869	16,182	17,467	84,273
District subtotal ³	76,446	75,368	89,657	77,324	86,517	405,312
East South Central:						
Alabama, Kentucky, Tennessee	18,465	19,074	23,235	19,020	22,322	102,116
West South Central:						
Arkansas and Oklahoma	7,085	7,313	8,725	7,377	7,683	38,183
Texas	24,812	24,450	30,617	24,139	26,963	130,982
District subtotal ³	31,898	31,762	39,343	31,517	34,646	169,166
Mountain and Pacific:						
Arizona, Colorado, Montana, Nevada, New Mexico, Utah, Wyoming	2,527	2,798	3,842	3,788	3,878	16,833
California	13,527	14,906	27,298	15,130	18,296	89,157
District subtotal ³	16,054	17,704	31,140	18,918	22,174	105,990
U.S. total ³	176,731	179,501	226,098	191,544	214,621	988,495
Imports ⁵	1,179	1,402	1,644	1,857	1,726	7,808
Grand total ³	177,911	180,903	227,742	193,401	216,347	996,303

¹Revised. 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.

²Includes cement manufactured from imported clinker.

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

⁴Total is for January through June 2016 only.

⁵As reported by domestic and Canadian cement manufacturers and other importers.

TABLE 2A
 PORTLAND CEMENT SHIPMENTS, BY DESTINATION, JANUARY 2016–MAY 2017^{1,2}

(Metric tons)

Destination	2016						
	January	February	March	April	May	June	July
Alabama	72,343	78,591	96,152	102,668	105,228	103,002	89,547
Alaska	5,230	6,963	10,398	9,431	13,158	16,902	13,961
Arizona	139,209	175,290	194,827	175,612	175,655	175,393	153,344
Arkansas	56,031 ^r	75,099	71,202 ^r	74,505 ^r	75,654	81,756	67,585
California, northern	177,445	245,545	252,853	276,289	288,976	322,003	290,155
California, southern	398,465	457,025	534,163	494,922	506,498	546,491	508,381
Colorado	117,552	126,789	159,554	174,202	191,066	233,371	212,494
Connecticut	29,178	24,864	44,119	47,273	55,771	62,654	54,430
Delaware	6,770	9,205	13,527	9,714	6,363	10,523	8,341
District of Columbia	18,165	18,651	23,922	20,553	17,570	18,417	15,233
Florida	484,398	568,706	609,964	566,850	549,971	566,412	508,077
Georgia	174,900	204,670	283,330	266,469	265,049	280,138	236,425
Hawaii	31,072	30,445	32,461	30,448	31,210	31,017	25,356
Idaho	20,483	29,638	42,343	47,520	51,413	57,181	52,749
Illinois, excluding Chicago	47,083	49,654	89,395	105,232	124,919	151,943	122,104
Illinois, Chicago metropolitan	47,389	65,733	119,068	130,001	160,445	188,310	165,862
Indiana	62,402	72,293	116,244	142,096	162,842	198,850	154,524
Iowa	39,496	38,072 ^r	99,588	138,638	172,662	224,673	189,792
Kansas	59,681	86,846	113,067	108,405	99,330	146,410	115,242
Kentucky	51,502	62,944	102,127	101,912	96,818	115,487	91,672
Louisiana	161,408 ^r	182,649 ^r	174,948 ^r	149,443 ^r	159,930 ^r	157,220	133,001
Maine	7,850	6,658	10,534	17,445	20,991	22,814	21,155
Maryland	62,540	68,957	112,252	108,311	98,244	116,376	100,102
Massachusetts	52,065	42,915	68,113	82,346	93,492	104,736	86,880
Michigan	55,721	59,142	80,746	146,459	219,205	241,127	207,949
Minnesota	43,334	43,356 ^r	62,335	101,204	167,620	218,119	187,765
Mississippi	40,166 ^r	47,558 ^r	52,377 ^r	48,287 ^r	55,230	58,007	48,809
Missouri	78,697 ^r	102,949 ^r	150,519 ^r	147,818 ^r	138,285	203,393	143,116
Montana	6,370	10,939	18,861	26,696	30,176	39,258	34,909
Nebraska	29,215	31,978	79,795	83,034	85,358	119,938	103,545
Nevada	81,787	87,643	102,279	96,783	107,398	112,072	106,669
New Hampshire	8,288	6,642	11,721	15,160	18,783	20,091	18,124
New Jersey	70,813	71,902	115,164	116,722	116,796	131,805	118,717
New Mexico	28,174	32,908	38,740	35,393	36,745	42,259	35,944
New York, eastern	22,397	20,569	37,954	41,710	49,208	52,565	45,279
New York, western	19,007	18,323	28,652	43,461	61,601	72,058	64,105
New York, metropolitan	96,954	95,986	146,900	152,019	152,604	169,733	145,337
North Carolina	143,652	156,030	257,525	226,757	210,543	240,497	212,225
North Dakota	18,978	10,217	20,757	28,823	67,141	86,250	88,591
Ohio	100,823	115,160	214,939	280,081	309,898	365,871	309,010
Oklahoma	112,805	132,252	133,994	115,481	121,838	145,805	121,859
Oregon	45,964	57,613	67,456	72,899	69,452	75,494	71,237
Pennsylvania, eastern	71,411	73,196	129,403	135,521	138,787	159,505	138,739
Pennsylvania, western	44,362	44,575	73,380	79,970	90,754	105,868	99,229
Rhode Island	5,384	3,784	7,222	9,654	10,495	11,336	8,584
South Carolina	101,892	119,026	168,847	154,739	149,687	169,018	140,772
South Dakota	7,795	8,654	18,253	30,402	46,310	63,701	59,070
Tennessee	80,573 ^r	91,412 ^r	128,460 ^r	135,798 ^r	127,611	142,986	116,170
Texas, northern	483,596	538,549	518,023	513,159	481,639	557,721	543,289
Texas, southern	653,503	750,116	727,253	632,833	611,368	655,225	649,867
Utah	60,123	67,192	94,591	106,987	120,016	137,703	118,993
Vermont	4,104	4,157	5,018	4,589	12,325	11,228	7,548
Virginia	103,344	108,467	173,343	161,937	150,455	175,334	155,609
Washington	107,755	125,306	138,567	145,699	152,326	159,888	142,363
West Virginia	19,771	20,510	28,376	31,038	32,543	37,517	33,149
Wisconsin	43,713	51,625 ^r	75,462	154,094	203,175	233,478	207,780
Wyoming	11,866	11,528	14,161	18,097	23,590	31,586	27,108
Puerto Rico	18,980	22,090	20,472	19,487	19,866	22,576	21,887
Foreign countries ³	41,698	44,312	49,575	42,797	62,536	73,721	66,976
Total shipments ⁴	5,185,674 ^r	5,913,866 ^r	7,365,274 ^r	7,535,872 ^r	7,974,615 ^r	9,074,810	8,016,734

See footnotes at end of table.

TABLE 2A—Continued
 PORTLAND CEMENT SHIPMENTS, BY DESTINATION, JANUARY 2016–MAY 2017^{1,2}

(Metric tons)

Destination	2016					
	August	September	October	November	December	January–December
Alabama	98,391	98,080	96,673	88,227	70,168	1,099,071
Alaska	18,037	14,980	13,151	10,693	5,371	138,274
Arizona	169,906	159,902	173,619	156,696	160,074	2,009,527
Arkansas	75,897	77,328	83,949	69,619	57,773	866,400 [†]
California, northern	332,564	302,460	284,881	291,309	244,896	3,309,375
California, southern	577,131	513,414	516,746	492,482	450,732	5,996,450
Colorado	244,607	227,043	223,803	192,159	136,900	2,239,539
Connecticut	59,866	55,320	56,235	51,696	35,843	577,249
Delaware	7,790	7,032	6,916	8,762	6,794	101,738
District of Columbia	20,275	18,478	21,270	18,609	16,992	228,135
Florida	561,846	535,543	521,322	531,138	516,668	6,520,895
Georgia	270,550	262,050	264,530	243,689	192,809	2,944,609
Hawaii	28,423	25,106	25,145	23,380	21,932	335,995
Idaho	63,546	52,386	49,538	46,645	17,755	531,196
Illinois, excluding Chicago	171,057	169,911	154,141	125,854	66,953	1,378,245
Illinois, Chicago metropolitan	186,361	165,763	205,925	168,527	91,838	1,695,221
Indiana	191,748	179,675	210,865	198,818	100,747	1,791,103
Iowa	217,018	190,681	228,111	182,605	60,268	1,781,603 [†]
Kansas	150,108	127,536	141,242	123,794	71,315	1,342,975
Kentucky	120,383	111,871	114,590	107,303	76,717	1,153,327
Louisiana	141,988	162,392	159,499	131,857	123,547	1,837,883 [†]
Maine	24,466	23,151	23,053	20,337	11,626	120,081
Maryland	121,521	105,272	115,760	102,157	83,518	1,195,012
Massachusetts	106,292	96,873	100,035	87,239	71,493	992,480
Michigan	243,602	205,168	223,852	183,149	85,589	1,951,709
Minnesota	219,035	193,093	189,603	128,652	59,370	1,613,487 [†]
Mississippi	60,591	71,101	72,045	56,709	44,460	655,340 [†]
Missouri	178,031	181,261	190,653	155,632	114,214	1,784,568 [†]
Montana	39,395	35,832	34,439	33,432	7,835	318,142
Nebraska	114,225	107,075	104,179	91,215	44,654	994,211
Nevada	114,374	112,929	111,040	104,002 [†]	98,774	1,235,751 [†]
New Hampshire	21,093	18,676	21,727	17,610	11,618	189,535
New Jersey	144,449	132,035	142,293	121,370	108,110	1,390,176
New Mexico	39,840	34,497	42,252	40,428	35,114	442,294
New York, eastern	47,321	53,906	51,710	43,525	30,692	496,833
New York, western	77,100	76,443	73,922	58,764	31,119	624,554
New York, metropolitan	174,986	157,888	158,918	150,533	130,603	1,732,461
North Carolina	244,491	206,886	210,023	198,661	170,035	2,477,327
North Dakota	155,266	130,929	99,059	46,306	10,214	762,531
Ohio	372,896	337,327	357,387	301,072	164,242	3,228,706
Oklahoma	149,295	134,053	133,325	122,529	114,820	1,538,055
Oregon	85,362	81,271	70,409	72,679	47,419	817,256
Pennsylvania, eastern	173,861	145,912	154,693	131,039	94,169	1,546,236
Pennsylvania, western	108,678	100,919	114,376	84,709	57,409	1,004,230
Rhode Island	11,486	9,174	10,703	9,759	9,582	107,163
South Carolina	157,784	130,993	134,966	140,140	103,143	1,671,008
South Dakota	59,991	66,166	56,988	36,732	12,574	466,636
Tennessee	146,084	142,906	150,452	134,052	102,915	1,499,421 [†]
Texas, northern	570,726	563,857	581,436	490,837	509,331	6,352,162
Texas, southern	608,512	659,633	682,933	597,945	568,472	7,797,660
Utah	138,045	126,870	134,144	123,982	78,685	1,307,329
Vermont	9,798	11,734	10,936	8,760	5,029	95,225
Virginia	180,996	154,752	169,009	158,913	133,968	1,826,126
Washington	163,104	156,393	138,793	125,163	103,932	1,659,289
West Virginia	40,079	38,557	37,132	36,921	25,849	381,441
Wisconsin	237,781	210,101	244,362	179,225	74,849	1,915,645 [†]
Wyoming	28,586	26,336	26,822	21,430	10,607	251,717
Puerto Rico	23,168	22,524	21,752	24,873	29,027	266,702
Foreign countries ³	77,966	74,878	54,501	45,311	29,973	664,245
Total shipments ⁴	9,177,767	8,594,329	8,801,835	7,749,654 [†]	5,951,128	91,341,557 [†]

See footnotes at end of table.

TABLE 2A—Continued
 PORTLAND CEMENT SHIPMENTS, BY DESTINATION, JANUARY 2016–MAY 2017^{1,2}

(Metric tons)

Destination	2017					January–May
	January	February	March	April	May	
Alabama	74,711	80,645	100,482	99,508	95,639	450,985
Alaska	4,265	5,495	6,905	8,997	13,541	39,202
Arizona	164,313	170,053	191,588	181,256	194,886	902,096
Arkansas	54,337	60,750	69,789	62,238	74,184	321,298
California, northern	179,686	169,980	290,767	263,659	338,866	1,242,959
California, southern	342,883	406,884	587,694	575,808	614,811	2,528,081
Colorado	121,505	152,866	204,734	190,303	196,323	865,730
Connecticut	29,293	26,132	29,816	42,226	57,631	185,097
Delaware	5,044	6,682	8,163	8,987	8,961	37,838
District of Columbia	13,331	19,139	18,441	24,898	20,158	95,967
Florida	548,611	520,037	615,159	542,094 ^f	594,734	2,820,636
Georgia	219,495	247,769	299,230	241,885	262,649	1,271,028
Hawaii	26,011	23,509	28,596	30,017	31,953	140,086
Idaho	8,225	17,902	36,877	41,076	56,950	161,031
Illinois, excluding Chicago	46,835	62,105	83,948	91,473	114,121	398,483
Illinois, Chicago metropolitan	70,602	84,614	90,543	140,928	157,476	544,163
Indiana	78,694	96,054	119,441	150,624	171,154	615,967
Iowa	37,446	48,437	84,922	133,197	178,662	482,664
Kansas	64,143	82,920	101,045	99,401	109,613	457,122
Kentucky	59,001	71,694	84,531	86,732	101,280	403,239
Louisiana	123,113	136,165	156,186	148,740	137,918	702,122
Maine	8,789	5,790	9,555	13,254	22,304	59,692
Maryland	69,992	78,998	87,092	98,202	103,996	438,280
Massachusetts	56,467	47,855	62,360	82,732	97,191	346,605
Michigan	62,518	66,319	88,281	145,469	216,168	578,754
Minnesota	42,767	51,130	68,161	101,763	157,949	421,769
Mississippi	40,030	51,431	53,998	50,534	51,470	247,463
Missouri	86,281	127,562	134,313	134,954	154,413	637,523
Montana	6,793	8,280	18,047	23,585	35,576	92,281
Nebraska	21,619	39,301	65,292	71,451	89,374	287,037
Nevada	92,242	90,435	115,901	110,092	121,354	530,025
New Hampshire	9,735	7,580	10,267	14,255	22,459	64,296
New Jersey	83,242	86,823	103,690	112,437	130,944	517,136
New Mexico	28,930	31,400	44,121	39,893	47,730	192,075
New York, eastern	23,122	22,130	26,979	36,522	44,942	153,695
New York, western	29,117	19,818	23,943	48,905	66,051	187,834
New York, metropolitan	103,961	109,119	127,146	150,112	170,728	661,065
North Carolina	169,677	207,865	234,703	190,540	222,062	1,024,847
North Dakota	9,935	10,313	14,835	28,157	53,603	116,844
Ohio	124,897	148,686	186,419	246,451	289,536	995,989
Oklahoma	106,429	119,947	148,944	129,065	160,799	665,185
Oregon	49,143	58,728	72,724	73,873	92,466	346,933
Pennsylvania, eastern	83,791	87,669	98,326	125,267	143,243	538,295
Pennsylvania, western	49,977	52,639	55,462	77,131	100,928	336,137
Rhode Island	5,901	5,030	5,748	11,108	12,285	40,072
South Carolina	110,558	127,793	156,620	132,685	152,100	679,756
South Dakota	9,775	9,430	17,764	29,595	54,271	120,834
Tennessee	106,149	119,713	134,989	124,811	136,159	621,821
Texas, northern	503,469	552,701	689,403	578,459	658,040	2,982,071
Texas, southern	589,415	641,030	721,686	604,788	692,081	3,249,000
Utah	51,737	66,291	106,469	110,206	142,990	477,693
Vermont	4,172	3,331	4,114	5,764	9,500	26,882
Virginia	119,423	146,582	164,715	154,433	163,086	748,239
Washington	90,315	104,173	129,090	132,617	148,701	604,896
West Virginia	22,358	27,154	28,789	31,026	41,620	150,946
Wisconsin	49,841	51,790	75,834	134,791	188,933	501,190
Wyoming	10,192	11,400	15,635	18,525	25,377	81,129
Puerto Rico	23,880	25,417	25,566	22,582	25,261	122,706
Foreign countries ³	30,715	31,570	48,163	49,755	58,379	218,583
Total shipments ⁴	5,358,895	5,943,056	7,384,004	7,409,833 ^f	8,635,580	34,731,368

^fRevised.

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 2016–MAY 2017^{1, 2, 3}

(Metric tons)

Destination	2016						
	January	February	March	April	May	June	July
Alabama	519	611	772	805	1,655	1,681	1,703
Alaska	--	--	--	274	512	826	562
Arizona	1,776	1,522	1,632	1,675	1,558	1,637	1,347
Arkansas	94	--	--	--	89	--	--
California, northern	122	--	166	807	935	877	849
California, southern	--	--	--	--	--	--	--
Colorado	390	974	1,368	5,386	3,651	2,360	709
Connecticut	2,121	22	1,507	36	316	54	22
Delaware	4,869	4,634	7,463	7,328	6,969	9,887	9,067
District of Columbia	--	--	--	--	--	--	--
Florida	17	163	635	166	237	383	145
Georgia	1,745	536	2,327	783	836	875	775
Hawaii	--	--	--	--	--	--	--
Idaho	510	386	250	995	746	1,044	499
Illinois, excluding Chicago	--	98	267	1,313	1,701	2,285	1,525
Illinois, Chicago metropolitan	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Iowa	457	845 ^r	4,341	9,439	15,471	19,083	4,725
Kansas	541	853	2,103	2,057	1,924	3,299	2,806
Kentucky	--	--	--	76	--	--	--
Louisiana	6,812	7,987	5,335	6,339	8,073	3,861	2,008
Maine	--	--	--	--	--	--	--
Maryland	24	23	232	593	111	435	598
Massachusetts	635	938	1,895	1,461	1,702	2,107	1,913
Michigan	504	45	1,005	2,596	12,817	28,966	20,198
Minnesota	220	613	24	24	704	1,369	1,246
Mississippi	6,091	5,899	7,316	5,738	6,649	7,156	5,327
Missouri	423	761	950	998	847	1,874	1,552
Montana	3,572	5,212	3,220	514	682	711	536
Nebraska	1,825	2,957	12,154	18,323	24,670	57,170	44,210
Nevada	1,591	1,764	2,918	3,379	4,149	5,486	4,506
New Hampshire	--	--	--	--	--	47	--
New Jersey	976	1,117	907	904	1,050	749	1,057
New Mexico	171	316	217	94	23	317	265
New York, eastern	583	1,309	1,572	2,164	2,158	1,410	2,213
New York, western	225	67	135	103	601	666	469
New York, metropolitan	167	154	566	54	461	1,017	679
North Carolina	118	283	375	1,101	1,080	1,524	1,512
North Dakota	--	--	--	--	93	213	283
Ohio	108	384	67	432	422	485	1,698
Oklahoma	3,828	6,337	6,678	6,883	7,652	11,127	4,039
Oregon	670	1,672	2,269	2,932	2,629	3,269	1,747
Pennsylvania, eastern	3,213	3,392	9,789	12,169	13,897	15,241	18,102
Pennsylvania, western	22	44	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
South Carolina	1,521	1,528	1,336	1,447	1,358	1,749	1,930
South Dakota	--	--	--	--	--	23	--
Tennessee	3,712	3,799	4,709	4,655	3,912	7,902	5,893
Texas, northern	484	1,281	1,666	4,061	3,370	4,891	5,515
Texas, southern	284	1,021	1,907	475	1,442	1,181	1,168
Utah	1,924	2,006	2,078	2,036	2,322	2,126	2,025
Vermont	527	439	774	--	185	1,051	208
Virginia	630	865	1,028	1,318	1,010	899	251
Washington	1,664	4,243	3,659	5,894	7,631	12,050	9,683
West Virginia	--	--	89	305	298	753	552
Wisconsin	1,060	644	2,308	3,175	3,848	5,488	3,557
Wyoming	72	48	24	--	--	--	--
Puerto Rico	19,869	24,490	24,711	23,724	23,024	21,306	18,529
Foreign countries ⁴	4,622	4,907	4,484	1,989	9,463	4,140	940
Total shipments ⁵	81,309	97,189 ^r	129,228	147,023	184,932	253,053	189,142

See footnotes at end of table.

TABLE 2B—Continued
 BLENDED CEMENT SHIPMENTS, BY DESTINATION, JANUARY 2016–MAY 2017^{1,2,3}

(Metric tons)

Destination	2016					
	August	September	October	November	December	January–December
Alabama	1,133	1,879	1,698	1,412	1,094	14,961
Alaska	816	793	--	--	--	3,784
Arizona	1,388	1,246	1,229	1,424	1,232	17,666
Arkansas	--	--	--	--	--	183
California, northern	1,070	973	856	777	565	7,998
California, southern	--	--	--	--	--	--
Colorado	950	760	907	689	501	18,646
Connecticut	22	--	23	14	--	4,135
Delaware	11,856	8,119	9,629	8,370	7,145	95,336
District of Columbia	--	--	--	--	--	--
Florida	--	72	108	--	88	2,014
Georgia	834	616	708	1,162	1,251	12,446
Hawaii	--	--	--	--	--	--
Idaho	1,185	754	123	24	49	6,565
Illinois, excluding Chicago	2,840	4,274	1,536	1,247	1,340	18,426
Illinois, Chicago metropolitan	--	--	--	--	--	--
Indiana	--	--	--	--	2,150	2,150
Iowa	18,299	17,025	18,836	11,850	2,228	122,599
Kansas	3,843	3,732	3,347	2,999	1,417	28,920
Kentucky	--	--	--	--	--	76
Louisiana	3,580	4,049	2,497	1,441	1,820	53,801
Maine	--	--	--	--	--	--
Maryland	951	448	214	303	1,409	5,341
Massachusetts	3,706	2,811	3,709	2,836	1,884	25,598
Michigan	22,932	8,815	9,510	3,809	750	111,948
Minnesota	1,370	1,181	953	343	196	8,244
Mississippi	6,471	6,989	7,247	7,861	2,842	75,584
Missouri	1,904	4,150	2,439	2,213	725	18,836
Montana	606	560	475	376	73	16,538
Nebraska	51,139	47,036	32,798	21,205	5,575	319,062
Nevada	5,312	4,665	4,169	3,222	2,103	43,264
New Hampshire	--	28	--	--	--	75
New Jersey	1,005	932	842	866	536	10,942
New Mexico	318	267	328	346	330	2,992
New York, eastern	1,540	2,282	1,652	1,058	702	18,644
New York, western	809	303	612	355	491	4,837
New York, metropolitan	790	297	1,038	847	255	6,324
North Carolina	1,467	751	767	674	363	10,015
North Dakota	616	286	24	--	--	1,514
Ohio	1,355	1,008	958	870	522	8,309
Oklahoma	7,782	4,672	5,813	3,516	2,743	71,070
Oregon	1,342	1,506	999	1,495	543	21,074
Pennsylvania, eastern	18,185	13,669	13,571	12,953	6,394	140,575
Pennsylvania, western	--	1,281	24	--	724	2,094
Rhode Island	--	--	--	--	--	--
South Carolina	1,940	1,197	936	1,099	1,516	17,559
South Dakota	47	94	--	--	--	164
Tennessee	8,019	10,271	6,984	8,374	4,229	72,460
Texas, northern	5,383	6,546	6,064	7,018	5,206	51,485
Texas, southern	627	2,246	2,989	1,177	2,836	17,354
Utah	2,264	4,848	3,809	1,994	1,849	29,282
Vermont	630	1,588	660	122	128	6,312
Virginia	264	233	348	634	1,150	8,630
Washington	11,109	10,704	5,357	5,717	2,591	80,302
West Virginia	797	596	559	310	732	4,990
Wisconsin	7,222	5,936	3,410	969	999	38,616
Wyoming	--	--	--	--	--	144
Puerto Rico	19,527	19,715	19,385	16,620	18,680	249,580
Foreign countries ⁴	3,660	656	953	748	3,000	39,564
Total shipments ⁵	238,906	212,857	181,092	141,339	92,957	1,949,026

See footnotes at end of table.

TABLE 2B—Continued
 BLENDED CEMENT SHIPMENTS, BY DESTINATION, JANUARY 2016–MAY 2017^{1, 2, 3}

(Metric tons)

Destination	2017					
	January	February	March	April	May	January–May
Alabama	1,209	1,255	1,576	1,197	1,321	6,557
Alaska	--	--	--	--	--	--
Arizona	1,442	1,276	1,890	1,462	1,711	7,781
Arkansas	--	--	--	24	--	24
California, northern	425	307	857	890	953	3,433
California, southern	--	--	--	--	--	--
Colorado	485	625	883	967	1,318	4,278
Connecticut	--	24	--	--	44	68
Delaware	6,109	7,268	7,408	6,944	8,363	36,092
District of Columbia	--	--	--	--	--	--
Florida	--	--	22	10	22	54
Georgia	1,451	1,128	1,515	1,207	1,221	6,522
Hawaii	--	--	--	--	--	--
Idaho	98	92	--	31	158	378
Illinois, excluding Chicago	1,153	643	956	1,300	1,301	5,353
Illinois, Chicago metropolitan	44	--	--	--	--	44
Indiana	--	--	--	--	--	--
Iowa	1,148	987	2,856	12,547	14,527	32,064
Kansas	1,198	2,185	2,618	3,509	4,463	13,974
Kentucky	--	--	--	--	--	--
Louisiana	2,467	4,830	5,311	1,879	1,972	16,458
Maine	--	--	--	--	5	5
Maryland	1,005	1,291	985	1,177	1,384	5,842
Massachusetts	1,612	1,389	1,595	2,316	2,716	9,628
Michigan	624	670	676	2,264	8,148	12,383
Minnesota	49	49	49	265	6,104	6,516
Mississippi	4,628	5,540	4,374	4,019	3,895	22,456
Missouri	977	1,409	1,833	1,435	1,744	7,397
Montana	23	99	297	--	--	418
Nebraska	2,919	4,882	10,876	19,724	28,476	66,878
Nevada	1,264	1,615	2,832	2,644	4,328	12,682
New Hampshire	--	--	28	83	28	140
New Jersey	892	966	867	601	811	4,138
New Mexico	353	425	433	255	279	1,744
New York, eastern	874	335	485	622	815	3,131
New York, western	84	274	307	608	978	2,251
New York, metropolitan	73	120	94	100	2,100	2,487
North Carolina	71	227	363	978	796	2,434
North Dakota	--	--	--	--	118	118
Ohio	506	707	776	642	226	2,857
Oklahoma	3,140	2,033	791	1,361	522	7,846
Oregon	62	63	513	--	454	1,090
Pennsylvania, eastern	3,407	3,979	6,902	10,949	15,119	40,356
Pennsylvania, western	384	313	434	768	624	2,523
Rhode Island	--	--	--	--	--	--
South Carolina	1,142	1,442	1,462	2,015	3,338	9,399
South Dakota	51	100	146	969	2,307	3,572
Tennessee	3,444	4,879	4,721	5,066	5,189	23,298
Texas, northern	4,530	6,746	4,012	3,892	3,440	22,621
Texas, southern	3,298	629	418	17,509	19,504	41,357
Utah	1,818	1,855	2,511	1,862	2,122	10,169
Vermont	151	340	390	228	384	1,492
Virginia	848	1,206	2,657	2,832	3,334	10,877
Washington	1,830	2,035	7,247	7,833	9,048	27,992
West Virginia	1,153	1,442	1,597	1,443	1,310	6,945
Wisconsin	3,302	3,211	738	2,272	2,037	11,558
Wyoming	--	--	1,523	--	--	1,523
Puerto Rico	16,905	19,535	20,929	19,837	21,931	99,137
Foreign countries ⁴	3,122	--	93	3,002	3,095	9,312
Total shipments ⁵	81,770	90,422	109,845	151,535	194,081	627,653

¹Revised. -- Zero.

²Data are unrounded but are believed to be accurate to no more than three significant digits.

³Includes imported cement and cement manufactured from imported clinker.

⁴Blended cement defined per ASTM standard C595.

⁵Includes U.S. possessions and territories.

⁶Data may not add to totals shown because of independent rounding.

TABLE 2C
MASONRY CEMENT SHIPMENTS, BY DESTINATION, JANUARY 2016–MAY 2017^{1,2}

(Metric tons)

Destination	2016						
	January	February	March	April	May	June	July
Alabama	5,348	6,214	7,253	7,077	7,570	7,600	6,350
Alaska	--	--	--	--	--	--	--
Arizona	2,052	2,115	2,276	2,244	2,117	2,244	1,830
Arkansas	3,623	3,504	4,203	4,318	4,208	4,521	4,416
California, northern	1,041	1,717	1,780	1,930	1,825	2,166	2,949
California, southern	13,082	14,593	22,590	12,781	13,356	17,567	14,363
Colorado	385	372	514	288	523	635	526
Connecticut	388	410	1,427	959	1,269	1,537	1,666
Delaware	225	280	412	447	315	539	402
District of Columbia	--	--	--	--	--	--	21
Florida	34,724	35,542	43,330	38,423	34,544	38,610	37,138
Georgia	10,190	11,771	15,095	14,358	13,279	14,617	12,250
Hawaii	135	111	145	108	143	128	98
Idaho	--	--	--	--	--	--	--
Illinois, excluding Chicago	400	529	853	762	731	680	626
Illinois, Chicago metropolitan	757	926	1,713	1,714	1,854	2,178	1,474
Indiana	1,523	2,035	3,060	2,799	3,103	3,326	2,784
Iowa	15	-- ^r	20	--	9	34	5
Kansas	249	359	536	300	268	409	249
Kentucky	2,559	3,280	5,086	5,088	4,586	5,510	4,509
Louisiana	3,972	4,011	4,354	3,719	4,247	4,230	3,699
Maine	21	33	86	54	122	39	35
Maryland	1,805	1,509	3,000	2,759	2,642	3,131	2,668
Massachusetts	414	417	974	1,034	1,009	978	933
Michigan	2,170	2,720	4,146	4,537	5,255	5,412	5,943
Minnesota	90	48	40	77	114	115	74
Mississippi	2,550	2,791	3,288	2,950	3,467	3,787	3,482
Missouri	685	961	1,240	1,119	943	1,110	666
Montana	36	27	41	23	101	85	--
Nebraska	50	--	--	73	--	54	--
Nevada	203	218	319	524	436	469	369
New Hampshire	312	112	766	446	942	555	469
New Jersey	1,997	2,035	4,293	3,712	3,620	4,006	3,346
New Mexico	132	190	290	253	154	254	282
New York, eastern	353	234	717	640	490	607	652
New York, western	422	320	898	858	929	1,065	858
New York, metropolitan	1,253	1,306	3,764	4,315	4,487	4,910	4,560
North Carolina	9,681	11,125	17,080	14,792	13,341	16,381	14,485
North Dakota	--	23	23	23	66	90	44
Ohio	3,368	3,480	6,164	6,631	6,913	7,716	6,384
Oklahoma	3,321	3,235	4,029	2,406	2,689	3,091	2,199
Oregon	3	6	12	--	21	9	21
Pennsylvania, eastern	3,608	4,347	5,271	3,191	3,429	4,429	3,952
Pennsylvania, western	888	1,162	2,262	2,380	2,332	2,540	2,336
Rhode Island	22	23	69	61	52	57	83
South Carolina	4,911	5,516	7,081	6,237	6,202	6,860	6,024
South Dakota	--	--	--	--	--	--	--
Tennessee	8,307	9,652	12,997	13,538	12,083	13,992	11,505
Texas, northern	9,388	9,415	10,287	9,232	9,666	10,094	9,579
Texas, southern	17,376	18,966	19,008	18,557	17,627	19,170	17,859
Utah	--	--	--	--	--	--	--
Vermont	19	3	58	33	48	64	59
Virginia	3,992	4,508	6,988	6,217	5,530	7,201	6,114
Washington	--	--	--	--	--	--	--
West Virginia	281	300	745	821	765	831	875
Wisconsin	483	276	827	956	1,259	1,136	1,079
Wyoming	--	--	--	--	--	--	--
Puerto Rico	--	--	--	--	--	--	--
Foreign countries ³	--	25	25	--	--	54	11
Total shipments ⁴	158,809	172,749 ^r	231,432	205,763	200,684	226,825	202,300

See footnotes at end of table.

TABLE 2C—Continued
MASONRY CEMENT SHIPMENTS, BY DESTINATION, JANUARY 2016–MAY 2017^{1,2}

(Metric tons)

Destination	2016					
	August	September	October	November	December	January–December
Alabama	7,372	6,794	7,312	6,639	5,015	80,544
Alaska	--	--	--	--	--	--
Arizona	2,073	1,775	2,068	1,833	1,908	24,537
Arkansas	4,465	4,282	4,082	4,137	3,747	49,506
California, northern	3,220	2,810	3,032	2,727	2,061	27,259
California, southern	15,704	16,565	16,125	13,582	13,283	183,592
Colorado	598	610	422	435	292	5,601
Connecticut	1,836	1,355	1,494	1,034	620	13,995
Delaware	549	315	375	404	243	4,505
District of Columbia	--	--	--	--	--	21
Florida	34,672	35,683	35,262	37,645	37,469	443,041
Georgia	14,154	12,965	13,545	12,942	10,148	155,315
Hawaii	144	113	140	166	72	1,503
Idaho	--	--	--	--	--	--
Illinois, excluding Chicago	668	722	812	546	738	8,068
Illinois, Chicago metropolitan	1,746	1,608	2,071	1,840	1,857	19,738
Indiana	3,279	3,252	3,305	2,792	2,395	33,653
Iowa	--	23	13	--	--	119 ^r
Kansas	358	401	380	542	292	4,345
Kentucky	5,162	5,355	5,077	5,204	3,467	54,883
Louisiana	3,418	3,861	3,951	3,826	3,354	46,641
Maine	48	32	35	44	18	567
Maryland	3,183	2,712	3,016	3,088	2,050	31,564
Massachusetts	1,025	850	928	728	414	9,703
Michigan	5,649	5,534	5,181	4,749	2,873	54,169
Minnesota	142	107	95	27	33	963
Mississippi	3,667	3,316	3,854	3,218	2,532	38,901
Missouri	839	917	991	799	709	10,980
Montana	17	--	--	58	--	388
Nebraska	54	--	51	8	--	291
Nevada	607	354	431	498	322	4,751
New Hampshire	594	591	552	497	358	6,194
New Jersey	3,275	2,891	3,042	2,512	1,777	36,505
New Mexico	240	216	212	200	159	2,583
New York, eastern	601	1,369	665	468	332	7,127
New York, western	1,080	2,485	831	700	514	10,962
New York, metropolitan	5,061	2,388	4,530	2,473	2,319	41,366
North Carolina	15,281	13,705	13,280	14,040	11,005	164,194
North Dakota	149	112	68	46	22	666
Ohio	7,339	6,824	7,080	5,929	5,296	73,124
Oklahoma	2,828	2,844	3,863	2,833	1,608	34,945
Oregon	6	14	8	--	--	100
Pennsylvania, eastern	4,804	4,005	5,011	5,911	3,410	51,368
Pennsylvania, western	2,382	3,815	2,353	1,982	1,305	25,737
Rhode Island	61	48	56	31	36	599
South Carolina	6,453	6,207	5,853	6,466	5,222	73,030
South Dakota	--	--	--	--	--	--
Tennessee	13,590	12,924	12,981	12,489	9,267	143,324
Texas, northern	10,024	10,947	10,052	8,998	9,719	117,401
Texas, southern	17,969	18,401	18,680	16,880	15,381	215,874
Utah	--	--	--	--	--	--
Vermont	96	16	113	11	46	566
Virginia	7,078	5,663	6,060	6,290	4,573	70,213
Washington	30	--	--	--	--	30
West Virginia	891	826	894	924	523	8,675
Wisconsin	1,474	1,172	851	725	247	10,484
Wyoming	--	--	--	--	--	--
Puerto Rico	--	--	--	--	--	--
Foreign countries ³	25	--	22	22	5	191
Total shipments ⁴	215,982	209,776	211,105	199,939	169,035	2,404,399 ^r

See footnotes at end of table.

TABLE 2C—Continued
MASONRY CEMENT SHIPMENTS, BY DESTINATION, JANUARY 2016–MAY 2017^{1,2}

(Metric tons)

Destination	2017					January–May
	January	February	March	April	May	
Alabama	6,334	6,094	7,533	6,864	7,018	33,843
Alaska	--	--	--	--	--	--
Arizona	2,113	2,239	3,250	3,060	3,273	13,934
Arkansas	3,681	4,008	4,569	3,804	4,126	20,188
California, northern	2,321	2,977	3,493	3,182	3,432	15,406
California, southern	10,916	11,733	23,362	11,607	14,441	72,060
Colorado	329	357	525	464	472	2,147
Connecticut	593	462	866	1,229	1,404	4,555
Delaware	271	355	488	314	474	1,902
District of Columbia	--	--	3	--	--	3
Florida	40,959	37,240	45,800	38,642	44,100	206,741
Georgia	12,056	11,453	14,808	12,031	13,199	63,546
Hawaii	153	113	149	119	155	689
Idaho	--	--	--	--	--	--
Illinois, excluding Chicago	369	415	633	567	706	2,690
Illinois, Chicago metropolitan	1,037	1,054	1,037	1,266	1,617	6,011
Indiana	1,988	1,984	2,409	2,832	3,548	12,760
Iowa	1	--	24	24	--	50
Kansas	223	325	670	168	378	1,764
Kentucky	3,348	4,262	4,689	4,508	4,204	21,010
Louisiana	3,912	3,662	4,672	3,588	4,088	19,922
Maine	25	14	24	49	100	212
Maryland	2,997	2,662	2,540	2,449	2,364	13,013
Massachusetts	464	374	629	930	851	3,247
Michigan	2,536	3,397	3,748	4,579	5,653	19,914
Minnesota	23	60	38	34	49	203
Mississippi	2,918	2,708	3,480	2,884	3,259	15,248
Missouri	509	716	881	883	489	3,477
Montana	17	--	--	54	--	72
Nebraska	--	48	--	--	47	95
Nevada	288	193	435	340	423	1,679
New Hampshire	34	272	280	518	571	1,676
New Jersey	2,427	2,221	2,627	2,994	3,554	13,823
New Mexico	142	225	148	228	211	953
New York, eastern	259	215	312	670	806	2,263
New York, western	660	566	817	982	871	3,895
New York, metropolitan	2,644	2,568	3,177	3,928	4,847	17,164
North Carolina	11,949	14,223	16,229	13,038	14,469	69,907
North Dakota	46	89	68	136	114	454
Ohio	3,637	4,061	5,297	5,781	6,577	25,353
Oklahoma	2,145	1,980	2,452	2,259	2,321	11,157
Oregon	--	5	9	--	--	14
Pennsylvania, eastern	3,933	2,798	4,294	3,084	3,383	17,491
Pennsylvania, western	1,255	1,503	1,598	2,137	2,409	8,901
Rhode Island	16	1	51	54	58	181
South Carolina	5,967	6,019	6,677	5,835	5,983	30,481
South Dakota	--	--	--	--	--	--
Tennessee	10,414	11,745	12,951	12,035	13,011	60,156
Texas, northern	9,842	9,535	12,901	9,406	10,033	51,718
Texas, southern	16,580	16,612	20,069	16,476	19,132	88,869
Utah	--	--	--	--	--	--
Vermont	--	32	9	13	39	93
Virginia	4,629	6,307	5,772	5,695	5,880	28,284
Washington	1	--	--	--	4	5
West Virginia	412	549	518	752	892	3,123
Wisconsin	466	432	695	903	1,208	3,704
Wyoming	--	--	--	--	--	--
Puerto Rico	--	--	--	--	--	--
Foreign countries ³	71	40	37	6	104	259
Total shipments ⁴	177,911	180,903	227,742	193,401	216,347	996,303

¹Revised. -- Zero.

²Data are unrounded but are believed to be accurate to no more than three significant digits.

³Includes imported cement and cement manufactured from imported clinker.

⁴Includes U.S. possessions and territories.

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

TABLE 3
SHIPMENTS OF PORTLAND PLUS BLENDED CEMENT BY DESTINATION FOR MAY (2012–2017)¹

(Thousand metric tons)

Destination	2012	2013	2014	2015	2016	5-Year average	2017	Percent rate of change to current year from	
								2016	5-Year average
Alabama	94	98	87	97	107	97	97	-9.3	0.4
Alaska	17	17	16	14	14	16	14	-0.9	-12.9
Arizona	151	169	158	173 ²	177	166	197	10.9	18.6
Arkansas	71	72	66	66	76	70	74	-2.1	5.6
California, northern	240	258	286	286	290	272	340	17.2	24.9
California, southern	435	430	485	465	506	464	615	21.4	32.5
Colorado	143	166	186	144	195	167	198	1.5	18.5
Connecticut	50	58	57	58	56	56	58	2.8	3.5
Delaware	13	19	17	24	13 ²	17	17	29.9	0.1
District of Columbia	19	19	17	18	18	18	20	14.7	10.7
Florida	325	410	485	495	550	453	595	8.1	31.2
Georgia	176	161	205	250	266	211	264	-0.8	24.8
Hawaii	23	25	28	36	31	29	32	2.4	11.8
Idaho	37	40	42	43	52	43	57	9.5	33.2
Illinois, excluding Chicago	140	132	127	134	127	132	115	-8.8	-12.4
Illinois, Chicago metropolitan	117	136	146	152	160	142	157	-1.9	10.7
Indiana	174	151	170	183	163	168	171	5.1	1.6
Iowa	205	154	220	170	188	187	193	2.7	3.1
Kansas	144	126	129	83	101	117	114	12.7	-2.1
Kentucky	98	99	101	106	97	100	101	4.6	1.2
Louisiana	197	174	163	173	168 ²	175	140	-16.7	-20.1
Maine	19	19	18	18	21	19	22	6.3	17.7
Maryland	88	97	117	119	98	104	105	7.1	1.3
Massachusetts	79	88	85	89	95	87	100	5.0	14.6
Michigan	177	179	186	199	232 ²	195	224	-3.3	15.3
Minnesota	152	122	138	154	168 ²	147	164	-2.5	11.8
Mississippi	71	69	74	61	62	67	55	-10.5	-17.7
Missouri	137	128	157	133	139	139	156	12.2	12.4
Montana	33	31	31	30	31	31	36	15.3	14.3
Nebraska	105	118	138	96	110	114	118	7.1	3.7
Nevada	106	105	104	94	112	104	126	12.7	20.6
New Hampshire	19	20	17	19	19	19	22	19.7	20.0
New Jersey	100	116	129	130	118	119	132	11.8	11.1
New Mexico	53	58	55	41	37	49	48	30.6	-1.2
New York, eastern	43	52	50	48	51	49	46	-10.9	-6.6
New York, western	81	75	70	67	62	71	67	7.8	-5.7
New York, metropolitan	113	122	136	162	153 ²	137	173	12.9	26.0
North Carolina	156	182	206	191	212	189	223	5.3	17.7
North Dakota	84	74	93	89	67	81	54	-20.1	-33.9
Ohio	295	302	321	310	310	308	290	-6.6	-5.8
Oklahoma	154	136	153	101	129	135	161	24.6	19.7
Oregon	50	66	63	69	72	64	93	28.9	45.2
Pennsylvania, eastern	136	143	163	158	153	151	158	3.7	5.2
Pennsylvania, western	102	105	102	100	91	100	102	11.9	1.7
Rhode Island	9	12	13	10	10	11	12	17.1	11.7
South Carolina	87	119	115	125	151	119	155	2.9	30.4
South Dakota	41	42	47	44	46	44	57	22.2	28.9
Tennessee	135	115	127	138	132	129	141	7.5	9.4
Texas, northern	493	518	554	415	485 ²	493	661	36.4	34.2
Texas, southern	621	687	671	581	613 ²	634	712	16.1	12.2
Utah	126	105	103	95	122	110	145	18.6	31.8
Vermont	12	11	12	12	13	12	10	-21.0	-16.9
Virginia	142	152	158	153	151	151	166	9.9	10.0
Washington	133	129	146	149	160	143	158	-1.4	10.0
West Virginia	51	54	47	39	33	45	43	30.7	-4.3
Wisconsin	184	161	176	190	207	184	191	-7.8	4.0
Wyoming	28	32	32	24	24	28	25	7.6	-8.9
Puerto Rico	80	63	57	51	43	59	47	10.0	-19.7
Foreign countries	126	123	90	89	72	100	61	-14.6	-38.5
Total ³	7,488	7,641	8,143	7,765 ²	8,160 ²	7,839	8,830	8.2	12.6

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 2016–MAY 2017¹

(Metric tons)

District	2016						
	January	February	March	April	May	June	July
New England and Middle Atlantic:							
Maine and New York	88,653	70,125	102,941	106,124	71,967	69,811	83,144
Pennsylvania	195,741	149,031	260,146	310,973	407,732	330,909	282,751
District subtotal ²	284,393	219,157	363,087	417,097	479,699	400,720	365,894
East North Central:							
Illinois	105,425	105,095	141,862	110,065	139,134	148,728	171,957
Indiana	112,714	192,225	171,145	221,192	231,288	231,367	307,325 ³
Michigan	253,533	267,884	286,860	190,625	300,150	292,636	274,150
Ohio	51,972	36,526	78,883	79,547	93,107	77,044	(3)
District subtotal ²	523,644	601,729	678,750	601,429	763,679	749,775	753,432
West North Central:							
Iowa, Nebraska, South Dakota	234,289	190,285	259,198	187,181	298,497	274,540	260,198
Kansas	137,143	129,707	123,149	190,815	214,970	159,782	157,407
Missouri	365,121	624,957	543,227	562,514	480,068	806,111	800,234
District subtotal ²	736,553	944,949	925,574	940,510	993,534	1,240,434	1,217,840
South Atlantic:							
Florida	281,918	435,293	523,931	564,243	490,480	429,639	460,266
Georgia, Maryland, Virginia, West Virginia	327,343	173,478	416,406	479,822	473,898	547,006	482,323
Puerto Rico	--	48,142	53,438	73,873	31,928	66,307	55,833
South Carolina	216,190	101,663	258,887	277,999	288,732	198,843	267,639
District subtotal ²	825,451	758,575	1,252,662	1,395,936	1,285,038	1,241,796	1,266,060
East South Central:							
Alabama, Kentucky, Tennessee	552,073	356,115	378,714	561,919	631,447	632,428	573,960
West South Central:							
Arkansas and Oklahoma	219,068	220,026	202,808	106,669	231,534	232,853	213,494
Texas, northern	391,305	383,737	351,780	318,860	462,359	275,677	439,523
Texas, southern	451,618	466,446	533,115	368,590	440,786	472,866	484,070
District subtotal ²	1,061,991	1,070,209	1,087,703	794,119	1,134,679	981,395	1,137,087
Mountain and Pacific:							
Arizona and New Mexico	117,931	112,710	161,610	164,518	165,841	228,841	171,784
California	717,836	667,257	675,550	648,092	889,073	847,461	792,586
Colorado and Wyoming	182,782	184,940	145,562	228,813	255,778	280,236	298,477
Montana, Nevada, Oregon, Utah							
Washington	221,540	168,137	357,497	272,945	368,309	341,174	308,551
District subtotal ²	1,240,090	1,133,044	1,340,220	1,314,368	1,679,001	1,697,712	1,571,398
Grand total ²	5,224,194	5,083,779	6,026,710	6,025,378	6,967,078	6,944,260	6,885,670

See footnotes at end of table.

TABLE 4—Continued
CLINKER PRODUCTION, BY DISTRICT, JANUARY 2016–MAY 2017¹

(Metric tons)

District	2016					
	August	September	October	November	December	January–December
New England and Middle Atlantic:						
Maine and New York	97,172	71,848	93,372	80,279	73,770	1,009,205
Pennsylvania	351,592	350,374	356,096	253,852	194,688	3,443,886
District subtotal ²	448,764	422,222	449,468	334,131	268,458	4,453,091
East North Central:						
Illinois	150,732	137,803	125,778	148,177	90,882	1,575,637
Indiana	312,162 ³	297,616 ³	298,968 ³	294,849 ³	286,103 ³	3,374,032 ³
Michigan	267,874	274,884	241,318	273,241	265,722	3,188,877
Ohio	(3)	(3)	(3)	(3)	(3)	(3)
District subtotal ²	730,767	710,303	666,063	716,267	642,707	8,138,546
West North Central:						
Iowa, Nebraska, South Dakota	271,210	273,025	257,653	264,773	237,723	3,008,573
Kansas	178,500	197,491	211,566	158,989	189,689	2,049,208
Missouri	835,601	665,035	819,689	803,627	401,649	7,707,832
District subtotal ²	1,285,312	1,135,551	1,288,908	1,227,389	829,061	12,765,613
South Atlantic:						
Florida	523,287	386,140	508,626	464,610	464,469	5,532,901
Georgia, Maryland, Virginia, West Virginia	481,819	468,564	531,008	460,228	451,977	5,293,872
Puerto Rico	7,700	43,745	8,553	--	--	389,519
South Carolina	240,976	229,881	209,446	241,750	237,996	2,770,001
District subtotal ²	1,253,781	1,128,329	1,257,633	1,166,588	1,154,442	13,986,293
East South Central:						
Alabama, Kentucky, Tennessee	639,633	523,007	564,951	551,276	562,857	6,528,380
West South Central:						
Arkansas and Oklahoma	213,084	208,103	222,593	199,983	143,654	2,413,868
Texas, northern	471,872	425,810	396,538	429,916	414,312	4,761,689
Texas, southern	422,923	473,832	523,077	477,742	411,160	5,526,225
District subtotal ²	1,107,880	1,107,745	1,142,209	1,107,640	969,126	12,701,782
Mountain and Pacific:						
Arizona and New Mexico	151,280	224,262	214,967	96,414	131,019	1,941,178
California	809,086	707,627	722,391	830,253	623,712	8,930,923
Colorado and Wyoming	268,268	270,578	234,147	287,745	88,401	2,725,728
Montana, Nevada, Oregon, Utah						
Washington	326,494	301,133	347,952	281,954	253,945	3,549,631
District subtotal ²	1,555,129	1,503,599	1,519,457	1,496,366	1,097,077	17,147,460
Grand total ²	7,021,265	6,530,756	6,888,689	6,599,657	5,523,728	75,721,166

See footnotes at end of table.

TABLE 4—Continued
CLINKER PRODUCTION, BY DISTRICT, JANUARY 2016–MAY 2017¹

(Metric tons)

District	2017					
	January	February	March	April	May	January–May
New England and Middle Atlantic:						
Maine and New York	62,813	34,677	35,074	81,350	70,640	284,553
Pennsylvania	216,313	88,152	218,377	336,856	386,684	1,246,381
District subtotal ²	279,125	122,829	253,450	418,206	457,324	1,530,935
East North Central:						
Illinois	91,332	96,472	130,058	69,247	91,582	478,691
Indiana	171,092 ³	201,846 ³	281,718 ³	267,188 ³	327,778 ³	1,249,621 ³
Michigan	209,338	190,377	264,570	89,628	189,204	943,118
Ohio	(3)	(3)	(3)	(3)	(3)	(3)
District subtotal ²	471,762	488,695	676,345	426,064	608,564	2,671,429
West North Central:						
Iowa, Nebraska, South Dakota	274,456	275,219	163,492	201,169	291,707	1,206,043
Kansas	118,734	74,424	221,828	225,503	199,137	839,625
Missouri	375,709	563,205	730,790	564,068	863,419	3,097,190
District subtotal ²	768,899	912,848	1,116,110	990,739	1,354,263	5,142,859
South Atlantic:						
Florida	444,297	451,681	513,141	517,545	563,588	2,490,252
Georgia, Maryland, Virginia, West Virginia	200,540	367,539	418,098	521,933	520,311	2,028,421
Puerto Rico	--	38,141	68,218	49,371	21,912	177,641
South Carolina	134,515	155,911	273,502	265,575	241,071	1,070,573
District subtotal ²	779,351	1,013,271	1,272,958	1,354,424	1,346,882	5,766,887
East South Central:						
Alabama, Kentucky, Tennessee	424,866	230,423	541,697	561,697	628,288	2,386,972
West South Central:						
Arkansas and Oklahoma	156,624	151,192	125,664	171,027	184,001	788,508
Texas, northern	259,576	352,572	411,153	312,876	435,123	1,771,301
Texas, southern	373,767	442,678	499,785	503,128	465,971	2,285,330
District subtotal ²	789,967	946,443	1,036,603	987,032	1,085,095	4,845,139
Mountain and Pacific:						
Arizona and New Mexico	167,338	185,316	150,456	212,655	223,701	939,465
California	602,715	647,616	619,179	713,759	793,846	3,377,114
Colorado and Wyoming	88,058	218,982	305,523	151,199	273,248	1,037,009
Montana, Nevada, Oregon, Utah						
Washington	212,476	199,817	242,540	327,513	319,512	1,301,858
District subtotal ²	1,070,586	1,251,730	1,317,697	1,405,125	1,610,307	6,655,446
Grand total ²	4,584,556	4,966,239	6,214,860	6,143,288	7,090,723	28,999,667

-- 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.

³Beginning with July 2016, data for Indiana and Ohio have been combined to avoid disclosing proprietary data.

TABLE 5
HYDRAULIC CEMENT AND CLINKER IMPORTED FOR CONSUMPTION IN THE UNITED STATES BY CUSTOMS DISTRICT AND COUNTRY, MAY 2017¹

(Metric tons, unless otherwise specified)

Customs district	Bulgaria	Canada	China	Denmark	Egypt	France	Germany	Greece	Italy
Anchorage, AK	--	914	--	--	--	--	--	--	--
Baltimore, MD	--	--	715	--	--	--	--	--	--
Boston, MA	--	--	--	--	--	--	--	--	--
Buffalo, NY	--	50,192	--	--	--	--	--	--	--
Charleston, SC	--	--	--	--	--	--	--	--	--
Chicago, IL	--	--	154	--	--	--	--	--	--
Cleveland, OH	--	55,394	--	--	--	--	--	--	--
Columbia-Snake, ID OR WA	--	7,476	--	--	--	--	--	--	--
Detroit, MI ⁴	--	145,096	78	--	--	--	--	--	--
El Paso, TX ⁵	--	--	64	--	--	--	--	--	--
Great Falls, MT	--	19,162	--	--	--	--	--	--	--
Honolulu, HI	--	--	--	--	--	--	--	--	--
Houston-Galveston, TX	--	--	45,200	--	6,546	--	78	--	40,902
Laredo, TX	--	--	--	--	--	--	--	--	--
Los Angeles, CA	--	--	2,295	--	1,680	--	--	--	--
Minneapolis, MN	--	--	--	--	--	--	--	--	--
Mobile, AL	--	--	--	--	--	--	--	--	--
Miami, FL	--	--	--	--	5,124	--	--	--	--
New Orleans, LA	--	--	--	--	--	--	--	--	341
New York City, NY	--	--	--	--	--	--	--	28,371	--
Norfolk, VA	33,000	--	414	--	--	111	--	11,605	--
Ogdensburg, NY	--	34,085	--	--	--	--	--	--	--
Pembina, ND	--	28,595	--	--	--	--	--	--	--
Philadelphia, PA	--	--	105	--	1,960	--	--	--	--
Portland, ME	--	1,389	--	--	--	--	--	--	--
Providence, RI	--	--	--	--	--	--	--	61,234	--
San Diego, CA	--	--	--	--	--	--	--	--	--
San Francisco, CA	--	--	80,399	--	280	--	--	--	--
San Juan, PR	--	--	--	--	--	--	--	--	--
Savannah, GA	--	--	--	--	1,890	--	--	--	--
Seattle, WA ⁴	--	59,197	62,602	--	--	--	--	--	--
St. Albans, VT	--	15,586	--	--	--	--	--	--	--
St. Louis, MO	--	--	--	--	--	--	--	--	--
Tampa, FL	--	--	--	30,381	--	--	--	23,554	--
Wilmington, NC	--	--	--	--	--	--	--	--	--
Total:									
Quantity ^{4,5}	33,000	417,086	192,026	30,381	17,480	111	78	124,764	41,243
Value ^{3,4,5}	\$2,165,250	\$43,020,647	\$12,616,932	\$4,075,944	\$2,608,225	\$145,710	\$56,227	\$7,271,062	\$2,872,261

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, MAY 2017¹

(Metric tons, unless otherwise specified)

Customs district	Japan	Korea, Republic of	Mexico	Netherlands	Poland	Portugal	Spain	Sweden	Taiwan	Thailand	Turkey ²	United Kingdom
Anchorage, AK	--	26,250	--	--	--	--	--	--	--	--	--	--
Baltimore, MD	--	--	--	--	--	--	--	38	--	--	--	1
Boston, MA	--	--	--	--	--	--	--	--	--	--	--	--
Buffalo, NY	--	--	--	--	--	--	--	--	--	--	--	--
Charleston, SC	--	--	--	--	--	--	--	--	--	--	6,600	--
Chicago, IL	16	--	--	--	--	--	--	--	--	--	--	--
Cleveland, OH	--	66	--	187	63	--	--	--	--	--	--	--
Columbia-Snake, ID OR WA	--	61,945	--	--	--	--	--	--	--	--	--	--
Detroit, MI ⁴	--	--	--	--	--	--	--	--	--	--	--	--
El Paso, TX ⁵	--	--	18,480	--	--	--	--	--	--	--	--	--
Great Falls, MT	--	--	--	--	--	--	--	--	--	--	--	--
Honolulu, HI	--	--	--	--	--	--	--	--	35,800	--	--	--
Houston-Galveston, TX	--	--	--	--	97	31,001	44,000	--	--	--	51,230	--
Laredo, TX	--	--	16,805	--	--	--	--	--	--	--	--	5
Los Angeles, CA	--	--	--	--	--	--	--	--	--	730	5,707	--
Miami, FL	--	--	--	--	--	--	12,544	24,459	--	--	4,031	--
Minneapolis, MN	--	--	--	--	--	--	--	--	--	--	14,600	--
Mobile, AL	--	--	--	--	--	--	--	--	--	--	51,359	--
New Orleans, LA	--	--	--	--	--	--	--	--	--	--	--	--
New York City, NY	--	--	--	19	--	--	77	--	--	--	84,360	--
Norfolk, VA	--	--	--	--	38	--	--	--	--	--	--	--
Ogdensburg, NY	--	--	--	--	--	--	--	--	--	--	--	--
Pembina, ND	--	--	--	--	--	--	--	--	--	--	--	--
Philadelphia, PA	--	--	--	--	--	--	--	--	--	--	1,211	--
Portland, ME	--	--	--	--	--	--	--	--	--	--	--	--
Providence, RI	--	--	--	--	--	--	--	--	--	--	12,320	--
San Diego, CA	--	--	7,560	--	--	--	--	--	--	--	--	--
San Francisco, CA	--	--	--	--	--	--	--	--	--	1,421	136	--
San Juan, PR	--	--	867	--	--	--	--	--	--	--	--	--
Savannah, GA	--	--	--	--	--	--	192	--	--	--	--	--
Seattle, WA ⁴	--	--	--	--	--	--	--	--	--	--	25	--
St. Albans, VT	--	--	--	--	--	--	--	--	--	--	--	--
St. Louis, MO	--	--	--	--	--	--	--	--	--	--	--	--
Tampa, FL	--	--	11,953	--	--	--	--	--	--	--	--	--
Wilmington, NC	--	--	--	--	--	--	--	--	--	--	--	--
Total:												
Quantity ^{4,5}	16	88,261	55,665	346	198	31,001	56,813	24,497	35,800	2,151	231,579	6
Value ^{3,4,5}	\$28,827	\$4,913,381	\$6,191,252	\$365,966	\$212,899	\$3,041,849	\$4,166,839	\$1,857,166	\$2,538,220	\$377,556	\$17,776,900	\$13,641

TABLE 5—Continued
HYDRAULIC CEMENT AND CLINKER IMPORTED FOR CONSUMPTION IN THE UNITED STATES
BY CUSTOMS DISTRICT AND COUNTRY, MAY 2017¹

(Metric tons, unless otherwise specified)

Customs district	May total	January–May	Country	January–May	
				Quantity	Value ³
Anchorage, AK	27,164	30,031	Belgium	2	\$5,922
Baltimore, MD	754	1,159	Bulgaria	70,000	3,876,833
Boston, MA	--	28,713	Canada ⁴	1,313,960	134,900,606
Buffalo, NY	50,192	161,364	China ⁶	560,833	40,177,529
Charleston, SC	6,600	11,138	Croatia	10,566	4,999,889
Chicago, IL	170	1,304	Denmark	89,185	11,954,500
Cleveland, OH	55,710	127,116	Egypt	60,252	9,011,976
Columbia-Snake, ID OR WA	69,421	254,222	France	35,911	13,258,707
Detroit, MI ⁴	145,174	408,633	Germany	1,100	233,017
El Paso, TX ⁵	18,544	62,547	Greece	925,478	54,325,813
Great Falls, MT	19,162	53,126	Italy	79,309	5,533,077
Honolulu, HI	35,800	113,800	Japan	368	248,499
Houston-Galveston, TX	219,054	827,859	Korea, Republic of	240,844	13,371,403
Laredo, TX	16,810	68,933	Malta ²	5,000	551,250
Los Angeles, CA	10,412	36,173	Mexico ⁵	202,001	22,669,570
Miami, FL	46,158	280,082	Netherlands	1,479	1,570,203
Minneapolis, MN	14,600	14,600	Poland	771	729,037
Mobile, AL	51,359	51,359	Portugal	62,947	6,285,169
New Orleans, LA	341	9,955	South Africa	46	20,918
New York City, NY	112,827	636,682	Spain ⁵	289,182	21,115,208
Norfolk, VA	45,168	148,582	Sweden	133,229	9,678,970
Ogdensburg, NY	35,085	142,471	Taiwan	113,800	8,185,420
Pembina, ND	28,595	58,421	Thailand	5,787	1,021,092
Philadelphia, PA	3,416	100,849	Turkey ²	707,215	48,326,785
Portland, ME	1,389	2,701	United Kingdom	376	321,784
Providence, RI	73,554	227,600	Total ^{3, 4, 5, 6}	4,909,641	412,373,177
San Diego, CA	7,560	34,209			
San Francisco, CA	82,236	248,574 ⁶			
San Juan, PR	867	54,766			
Savannah, GA	2,082	5,250			
Seattle, WA ⁴	121,824	448,161			
St. Albans, VT	15,586	36,503			
St. Louis, MO	--	143			
Tampa, FL	65,888	209,058			
Wilmington, NC	--	13,557			
Total:					
Quantity ^{4, 5}	1,382,502	4,909,641			
Value ^{3, 4, 5}	\$116,316,754	\$412,373,177			

-- Zero.

¹Includes white cement and clinker.

²Although imports are reported from Malta, Malta has no cement plants; the import source is thought to be Turkey.

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

⁴Data for the Detroit and Seattle districts for imports from Canada are thought to be underrepresented with respect to clinker.

⁵Data for the El Paso district for imports from Mexico are believed to be underrepresented with respect to cement.

⁶Data for the San Francisco Customs district exclude a January 2017 entry of 27,816 metric tons, worth \$1,068,000 c.i.f., of gray portland cement from China that was misregistered by the importer under a tariff code for a different commodity.

Source: U.S. Census Bureau.

TABLE 6
WHITE CEMENT IMPORTED FOR CONSUMPTION IN THE UNITED STATES BY CUSTOMS DISTRICT
AND COUNTRY, MAY 2017^{1,2}

(Metric tons, unless otherwise specified)

Customs district	Canada	China	Denmark	Egypt	Mexico	Spain	Thailand	Turkey
Buffalo, NY	7,174	--	--	--	--	--	--	--
Charleston, SC	--	--	--	--	--	--	--	6,600
Detroit, MI	17,650	--	--	--	--	--	--	--
El Paso, TX	--	--	--	--	2,746	--	--	--
Houston-Galveston, TX	--	--	--	6,546	--	--	--	2,630
Laredo, TX	--	--	--	--	16,805	--	--	--
Los Angeles, CA	--	2,295	--	1,680	--	--	730	5,707
Miami, FL	--	--	--	5,124	--	12,544	--	4,031
New York City, NY	--	--	--	--	--	--	--	800
Ogdensburg, NY	336	--	--	--	--	--	--	--
Philadelphia, PA	--	--	--	1,960	--	--	--	1,211
Providence, RI	--	--	--	--	--	--	--	--
San Diego, CA	--	--	--	--	7,560	--	--	--
San Francisco, CA	--	--	--	280	--	--	1,421	136
San Juan, PR	--	--	--	--	867	--	--	--
Savannah, GA	--	--	--	1,890	--	--	--	--
Seattle, WA	--	--	--	--	--	--	--	25
St. Albans, VT	19	--	--	--	--	--	--	--
Tampa, FL	--	--	30,381	--	--	--	--	--
Total:								
Quantity	25,179	2,295	30,381	17,480	27,978	12,544	2,151	21,140
Value ³	\$3,395,157	\$345,630	\$4,075,944	\$2,608,225	\$3,270,319	\$1,682,846	\$377,556	\$3,075,159

See footnotes at end of table.

TABLE 6—Continued
 WHITE CEMENT IMPORTED FOR CONSUMPTION IN THE UNITED STATES
 BY CUSTOMS DISTRICT AND COUNTRY, MAY 2017^{1,2}

(Metric tons, unless otherwise specified)

Customs district	May total	January–May	January–May		
			Quantity	Value ³	
Buffalo, NY	7,174	32,920	Canada	132,395	\$17,679,460
Charleston, SC	6,600	6,600	China	7,310	\$1,012,258
Detroit, MI	17,650	98,057	Denmark	89,185	11,954,500
El Paso, TX	2,746	10,901	Egypt	59,817	8,947,240
Houston–Galveston, TX	9,176	40,877	Malta	5,000	551,250
Laredo, TX	16,805	68,918	Mexico	119,124	13,635,329
Los Angeles, CA	10,412	35,933	Portugal	148	40,664
Miami, FL	21,699	73,818	Spain	40,113	5,411,286
New York City, NY	800	30,228	Thailand	5,787	1,021,092
Ogdensburg, NY	336	1,348	Turkey	97,157	12,483,558
Philadelphia, PA	3,171	12,813	Total	556,036	72,736,637
Providence, RI	--	10,500			
San Diego, CA	7,560	34,209			
San Francisco, CA	1,837	6,687			
San Juan, PR	867	5,185			
Savannah, GA	1,890	4,095			
Seattle, WA	25	244			
St. Albans, VT	19	19			
Tampa, FL	30,381	82,684			
Total:					
Quantity	139,148	556,036			
Value ³	\$18,830,836	\$72,736,637			

-- 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, MAY 2017¹

(Metric tons, unless otherwise specified)

Customs district	Canada	China	Turkey	May		Country	January–May	
				total	January–May		Quantity	Value ²
Baltimore, MD	--	385	--	385	385	Canada ³	184,004	\$14,448,736
Cleveland, OH	--	--	--	--	18	China	1,311	\$193,074
Detroit, MI ³	84,759	78	--	84,837	184,107	Egypt	435	64,736
Mobile, AL	--	--	51,359	51,359	51,359	France	17,930	6,258,151
New Orleans, LA	--	--	--	--	454	Turkey	253,553	13,315,751
New York City, NY	--	--	34,060	34,060	202,194	Total	457,233	34,280,448
Norfolk, VA	--	--	--	--	18,188			
Savannah, GA	--	--	--	--	435			
Seattle, WA ³	--	--	--	--	93			
Total:								
Quantity	84,759	463	85,419	170,641	457,233			
Value ²	\$6,668,703	\$48,276	\$6,195,053	\$12,912,032	\$34,280,448			

-- 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.