

Mineral Industry Surveys

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CEMENT IN JANUARY 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 January 2017.¹ Data on the imports of cement and clinker for January 2017 are also provided.

Total shipments of portland and blended cement in the United States and Puerto Rico in January 2017 were about 5.4 million metric tons (Mt), up by 2.9% from sales in January 2016 (tables 2A and 2B). The leading producing States for portland and blended cement in January 2017 were Texas, California, Florida, Missouri, and Alabama, in descending order (table 1A). The leading cement-consuming States (Texas, California, Florida, Georgia, and New York, in descending order) received 47% of the January shipments (tables 2A and 2B).

Clinker production totaled 4.3 Mt in January 2017, down by 17.8% from the output in January 2016 (table 4). The leading clinker-producing States in January were, in descending order, California, Texas, Florida, Missouri, and Alabama.

Masonry cement shipments of about 183,000 metric tons (t) in January 2017 were up by 15.4% from those in January 2016 (table 2C). The leading masonry-cement-consuming States

were, in descending order, Florida, Texas, California, Georgia, and North Carolina; these received about 56% of January's shipments.

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. January 2017 imports of cement and clinker of about 675,000 t were 11.8% higher than those in January 2016.

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–JANUARY 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	316,248	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	113,018	110,844	201,532	271,933	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	621,365	665,027	743,090	925,806	744,235
District subtotal ³	537,894	648,117	1,007,894	1,113,776	1,231,104	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	593,664	630,194	701,346	592,264
West South Central:							
Arkansas and Oklahoma	177,764 ^r	191,695 ^r	209,506 ^r	200,824 ^r	202,652 ^r	231,809 ^r	178,674 ^r
Texas, northern	382,045	438,120	370,198	351,701	354,252	418,866 ^r	428,227
Texas, southern	488,468	544,415	550,755	497,064	444,862	516,980	516,045
District subtotal ³	1,048,277 ^r	1,174,230 ^r	1,130,459 ^r	1,049,589 ^r	1,001,765 ^r	1,167,656 ^r	1,122,945 ^r
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	889,227	817,256
Colorado and Wyoming	136,719	147,078	204,142	245,955	291,728	382,466	321,111
Montana, Nevada, Oregon, Utah							
Washington	202,384	230,645	291,748	315,895	354,069	398,857	354,445
District subtotal ³	1,102,897	1,314,469	1,552,742	1,557,297	1,660,561	1,866,267	1,662,755
U.S. total ³	4,740,078 ^r	5,393,864 ^r	6,739,883 ^r	6,776,560 ^r	7,138,680 ^r	8,268,477 ^r	7,237,901 ^r
Imports ⁵	541,197	634,619	771,196	919,379	1,022,992	1,059,386	967,975
Grand total ³	5,281,275 ^r	6,028,484 ^r	7,511,079 ^r	7,695,940 ^r	8,161,671 ^r	9,327,863 ^r	8,205,876 ^r

See footnotes at end of table.

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

(Metric tons)

District	2016						2017
	August	September	October	November	December	January–December	January
New England and Middle Atlantic:							
Maine and New York	177,561	181,317	177,653	144,428	121,191	1,744,519	93,612
Pennsylvania	404,178	358,056	371,843	327,712	253,058	3,786,523	211,343
District subtotal ³	581,739	539,373	549,496	472,141	374,249	5,531,043	304,955
East North Central:							
Illinois	162,461	160,459	157,392	132,384	73,665	1,493,000	72,381
Indiana	364,810 ⁴	348,102 ⁴	382,974 ⁴	342,169 ⁴	199,990 ⁴	3,443,889 ⁴	159,237 ⁴
Michigan	470,019	411,821	437,388	343,232	158,709	3,744,151	109,864
Ohio	(4)	(4)	(4)	(4)	(4)	(4)	(4)
District subtotal ³	997,289	920,382	977,755	817,785	432,365	8,681,039	341,481
West North Central:							
Iowa, Nebraska, South Dakota	438,260	408,768	414,606	296,927	128,102	3,494,587	94,315
Kansas	229,071	206,698	218,010	188,382	138,221	2,206,068	122,814
Missouri	940,588	930,128	974,593	812,043	532,123	8,578,848	431,413
District subtotal ³	1,607,918	1,545,594	1,607,210	1,297,352	798,445	14,279,503	648,542
South Atlantic:							
Florida	523,353	495,914	484,576	498,198	482,342	6,020,095	506,035
Georgia, Maryland, Virginia, West Virginia	568,977	492,748	567,888	508,541	402,307	5,773,482	357,428
Puerto Rico	38,437	34,981	33,916	32,421	37,249	471,976	36,304
South Carolina	261,881	229,892	234,617	239,549	195,914	2,876,304	209,913
District subtotal ³	1,392,649	1,253,536	1,320,997	1,278,709	1,117,812	15,141,857	1,109,680
East South Central:							
Alabama, Kentucky, Tennessee	657,530	613,071	617,944	571,185	426,143	7,018,758	429,548
West South Central:							
Arkansas and Oklahoma	223,940 ^r	218,084 ^r	220,332 ^r	179,898 ^r	164,890 ^r	2,400,066 ^r	166,716
Texas, northern	441,178	438,013	455,804	380,418	378,837	4,837,658 ^r	346,404
Texas, southern	484,081	502,100	517,050	472,115	469,481	6,003,416	508,934
District subtotal ³	1,149,199 ^r	1,158,196 ^r	1,193,186 ^r	1,032,431 ^r	1,013,208 ^r	13,241,141 ^r	1,022,054
Mountain and Pacific:							
Arizona and New Mexico	184,543	174,172	197,430	181,422	170,615	2,186,930	169,985
California	930,891	830,513	818,582	774,647	723,255 ^r	9,638,888 ^r	564,123
Colorado and Wyoming	364,808	318,886	305,358	246,573	157,103	3,121,927	137,923
Montana, Nevada, Oregon, Utah							
Washington	406,242	387,981	370,604	329,921	208,046	3,850,836	168,534
District subtotal ³	1,886,484	1,711,552	1,691,974	1,532,562	1,259,019 ^r	18,798,581 ^r	1,040,565
U.S. total ³	8,272,808 ^r	7,741,704 ^r	7,958,563 ^r	7,002,165 ^r	5,421,240 ^r	82,691,922 ^r	4,896,823
Imports ⁵	1,143,865	1,065,482	1,024,364	882,208	617,045	10,649,710	537,096
Grand total ³	9,416,673 ^r	8,807,186 ^r	8,982,927 ^r	7,884,373 ^r	6,038,286 ^r	93,341,632 ^r	5,433,919

^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–JANUARY 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 ^r	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	2,932	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	15,235	15,629	20,205	17,702
District subtotal ³	16,911	19,191	27,763	17,991	18,463	23,347	20,299
U.S. total ³	157,639	171,978	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	173,040	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–JANUARY 2017^{1,2}

(Metric tons)

District	2016						2017
	August	September	October	November	December	January–December	January
New England and Middle Atlantic:							
Maine and New York	3,151	2,485	2,619	1,904	1,140	26,550	981
Pennsylvania	15,295	14,578	14,839	12,530	8,868	155,218	9,336
District subtotal ³	18,446	17,062	17,458	14,434	10,008	181,767	10,317
East North Central:							
Illinois	W	W	W	W	W	W	W
Indiana	W	W	W	W	W	W	W
Michigan	8,313	7,916	7,285	6,533	3,715	80,011	3,505
Ohio	W	W	W	W	W	21,665 ⁴	W
District subtotal ³	34,026	32,036	32,235	29,973	22,891	350,747	21,162
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	3,630	3,607	3,931	3,335	3,034	37,140	2,374
South Atlantic:							
Florida	33,154	34,387	33,833	36,168	36,245	425,159	37,483
Georgia, Maryland, Virginia, West Virginia	26,988	25,048	25,507	24,842	24,379	295,640	28,795
Puerto Rico	--	--	--	--	--	--	--
South Carolina	18,290	16,409	16,239	17,495	14,177	195,683	15,501
District subtotal ³	78,432	75,844	75,579	78,505	74,800	916,481	81,779
East South Central:							
Alabama, Kentucky, Tennessee	22,402	21,104	21,508	19,977	14,699	243,838	18,465
West South Central:							
Arkansas and Oklahoma	8,204	8,327	9,175	8,511	7,365	100,591	7,085
Texas	26,226	27,469	27,227	24,206	22,787	310,644	24,812
District subtotal ³	34,429	35,796	36,403	32,718	30,151	411,235	31,898
Mountain and Pacific:							
Arizona, Colorado, Montana, Nevada, New Mexico, Utah, Wyoming	2,883	2,551	2,631	2,488	2,327	32,521	2,527
California	19,533	19,743	19,596	16,807	15,667	215,671	13,527
District subtotal ³	22,416	22,294	22,227	19,296	17,994	248,191	16,054
U.S. total ³	213,780	207,744	209,340	198,238	173,577	2,389,399	182,048
Imports ⁵	2,202	2,032	1,764	1,701	1,256	21,088	1,179
Grand total ³	215,982	209,776	211,105	199,939	174,833	2,410,488	183,227

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–JANUARY 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	56,077 ^r	75,099 ^r	71,272 ^r	74,704 ^r	75,654 ^r	81,756 ^r	67,585 ^r
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	38,971	99,588	138,636	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	172,652	194,828	187,261	158,008	162,054	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	43,670	62,335	101,204	167,620	218,119	187,765
Mississippi	40,642	48,363	53,142	48,859	55,230	58,007	48,809
Missouri	78,722	102,973	150,591	147,842	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	87,801	102,605	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	83,075	94,320	131,492	139,484	127,611	142,986	116,170
Texas, northern	483,596 ^r	538,549 ^r	518,023 ^r	513,159 ^r	481,639 ^r	557,721 ^r	543,289 ^r
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	51,697	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	5,199,965 ^r	5,931,224 ^r	7,381,851 ^r	7,548,917 ^r	7,976,739 ^r	9,074,810 ^r	8,016,734 ^r

See footnotes at end of table.

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

(Metric tons)

Destination	2016						2017
	August	September	October	November	December	January–December	January
Alabama	98,391	98,080	96,673	88,227	70,168	1,099,071	74,711
Alaska	18,037	14,980	13,151	10,693	5,371	138,274	4,265
Arizona	169,906	159,902	173,619	156,696	160,074	2,009,527	164,313
Arkansas	75,897 ^r	77,328 ^r	83,949 ^r	69,619 ^r	57,773 ^r	866,714 ^r	54,337
California, northern	332,564	302,460	284,881	291,309	244,896	3,309,375	179,686
California, southern	577,131	513,414	516,746	492,482	450,732 ^r	5,996,450 ^r	342,883
Colorado	244,607	227,043	223,803	192,159	136,900	2,239,539	121,505
Connecticut	59,866	55,320	56,235	51,696	35,843	577,249	29,293
Delaware	7,790	7,032	6,916	8,762	6,794	101,738	5,044
District of Columbia	20,275	18,478	21,270	18,609	16,130	227,273	12,058
Florida	561,846	535,543	521,322	531,138	516,668	6,520,895	550,520
Georgia	270,550	262,050	264,530	243,689	192,809	2,944,609	219,495
Hawaii	28,423	25,106	25,145	23,380	21,932	335,995	26,011
Idaho	63,546	52,386	49,538	46,645	17,755	531,196	8,225
Illinois, excluding Chicago	171,057	169,911	154,141	125,854	66,953	1,378,245	46,835
Illinois, Chicago metropolitan	186,361	165,763	205,925	168,527	91,838	1,695,221	70,602
Indiana	191,748	179,675	210,865	198,818	100,747	1,791,103	78,694
Iowa	217,018	190,681	228,111	182,605	60,268	1,782,501	37,446
Kansas	150,108	127,536	141,242	123,794	71,315	1,342,975	64,143
Kentucky	120,383	111,871	114,590	107,303	76,717	1,153,327	59,001
Louisiana	141,988	162,392	159,499	131,857	123,547	1,884,308	123,113
Maine	24,466	23,151	23,053	20,337	11,626	210,081	8,789
Maryland	121,521	105,272	115,760	102,157	82,917	1,194,411	69,129
Massachusetts	106,292	96,873	100,035	87,239	71,493	992,480	56,467
Michigan	243,602	205,168	223,852	183,149	85,589	1,951,709	62,518
Minnesota	219,035	193,093	189,603	128,652	59,370	1,613,800	42,767
Mississippi	60,591	71,101	72,045	56,709	44,460	657,959	40,030
Missouri	178,031	181,261	190,653	155,632	114,214	1,784,712	86,281
Montana	39,395	35,832	34,439	33,432	7,835	318,142	6,793
Nebraska	114,225	107,075	104,179	91,215	44,654	994,211	21,619
Nevada	114,374	112,929	111,040	97,383	98,774	1,229,616	92,242
New Hampshire	21,093	18,676	21,727	17,610	11,618	189,535	9,735
New Jersey	144,449	132,035	142,293	121,370	108,110	1,390,176	83,242
New Mexico	39,840	34,497	42,252	40,428	35,114	442,294	28,930
New York, eastern	47,321	53,906	51,710	43,525	30,525	496,667	23,122
New York, western	77,100	76,443	73,922	58,764	31,285	624,720	29,117
New York, metropolitan	174,986	157,888	158,918	150,533	130,603	1,732,461	103,961
North Carolina	244,491	206,886	210,023	198,661	170,035	2,477,327	169,677
North Dakota	155,266	130,929	99,059	46,306	10,214	762,531	9,935
Ohio	372,896	337,327	357,387	301,072	164,243	3,228,707	124,809
Oklahoma	149,295	134,053	133,325	122,529	114,820	1,538,055	106,429
Oregon	85,362	81,271	70,409	72,679	47,419	417,256	49,143
Pennsylvania, eastern	173,861	145,912	154,693	131,039	93,824	1,545,890	83,791
Pennsylvania, western	108,678	100,919	114,376	84,709	55,543	1,002,364	47,026
Rhode Island	11,486	9,174	10,703	9,759	9,582	107,163	5,901
South Carolina	157,784	130,993	134,966	140,140	103,143	1,671,008	110,558
South Dakota	59,991	66,166	56,988	36,732	12,574	466,636	9,775
Tennessee	146,084	142,906	150,452	134,052	102,915	1,511,548	106,149
Texas, northern	570,726 ^r	563,857 ^r	581,436 ^r	490,837 ^r	509,331 ^r	6,352,162 ^r	502,019
Texas, southern	608,512	659,633	682,933	597,945	568,472	7,797,660	589,436
Utah	138,045	126,870	134,144	123,982	78,685	1,307,329	51,737
Vermont	9,798	11,734	10,936	8,760	5,029	95,225	4,172
Virginia	180,996	154,752	169,009	158,913	131,973	1,824,131	117,573
Washington	163,104	156,393	138,793	125,163	103,932	1,659,289	90,315
West Virginia	40,079	38,557	37,132	36,921	25,721	381,313	22,085
Wisconsin	237,781	210,101	244,362	179,225	74,849	1,915,717	49,841
Wyoming	28,586	26,336	26,822	21,430	10,607	251,717	10,192
Puerto Rico	23,168	22,524	21,752	24,873	29,027	266,702	23,880
Foreign countries ³	77,966	74,878	54,501	45,311	29,973	664,245	30,785
Total shipments ⁴	9,177,767 ^r	8,594,329 ^r	8,801,835 ^r	7,743,034 ^r	5,945,329 ^r	91,392,534 ^r	5,352,149

^rRevised.

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–JANUARY 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	917	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	97,260	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–JANUARY 2017^{1, 2, 3}

(Metric tons)

Destination	2016						2017
	August	September	October	November	December	January–December	January
Alabama	1,133	1,879	1,698	1,412	1,094	14,961	1,209
Alaska	816	793	--	--	--	3,784	--
Arizona	1,388	1,246	1,229	1,424	1,232	17,666	1,442
Arkansas	--	--	--	--	--	183	--
California, northern	1,070	973	856	777	565	7,998	425
California, southern	--	--	--	--	--	--	--
Colorado	950	760	907	689	501	18,646	485
Connecticut	22	--	23	14	--	4,135	--
Delaware	11,856	8,119	9,629	8,370	7,145	95,336	6,109
District of Columbia	--	--	--	--	--	--	--
Florida	--	72	108	--	88	2,014	--
Georgia	834	616	708	1,162	1,251	12,446	1,451
Hawaii	--	--	--	--	--	--	--
Idaho	1,185	754	123	24	49	6,565	98
Illinois, excluding Chicago	2,840	4,274	1,536	1,247	1,340	18,426	1,153
Illinois, Chicago metropolitan	--	--	--	--	--	--	44
Indiana	--	--	--	--	2,150	2,150	--
Iowa	18,299	17,025	18,836	11,850	2,228	122,670	1,148
Kansas	3,843	3,732	3,347	2,999	1,417	28,920	1,198
Kentucky	--	--	--	--	--	76	--
Louisiana	3,580	4,049	2,497	1,441	1,820	53,801	2,467
Maine	--	--	--	--	--	--	--
Maryland	951	448	214	303	1,409	5,341	1,005
Massachusetts	3,706	2,811	3,709	2,836	1,884	25,598	1,612
Michigan	22,932	8,815	9,510	3,809	750	111,948	624
Minnesota	1,370	1,181	953	343	196	8,244	49
Mississippi	6,471	6,989	7,247	7,861	2,842	75,584	4,628
Missouri	1,904	4,150	2,439	2,213	725	18,836	977
Montana	606	560	475	376	73	16,538	23
Nebraska	51,139	47,036	32,798	21,205	5,575	319,062	2,919
Nevada	5,312	4,665	4,169	3,222	2,103	43,264	1,264
New Hampshire	--	28	--	--	--	75	--
New Jersey	1,005	932	842	866	536	10,942	892
New Mexico	318	267	328	346	330	2,992	353
New York, eastern	1,540	2,282	1,652	1,058	702	18,644	874
New York, western	809	303	612	355	491	4,837	84
New York, metropolitan	790	297	1,038	847	255	6,324	73
North Carolina	1,467	751	767	674	363	10,015	71
North Dakota	616	286	24	--	--	1,514	--
Ohio	1,355	1,008	958	870	522	8,309	506
Oklahoma	7,782	4,672	5,813	3,516	2,743	71,070	3,140
Oregon	1,342	1,506	999	1,495	543	21,074	62
Pennsylvania, eastern	18,185	13,669	13,571	12,953	6,394	140,575	3,407
Pennsylvania, western	--	1,281	24	--	724	2,094	384
Rhode Island	--	--	--	--	--	--	--
South Carolina	1,940	1,197	936	1,099	1,516	17,559	1,142
South Dakota	47	94	--	--	--	164	51
Tennessee	8,019	10,271	6,984	8,374	4,229	72,460	3,444
Texas, northern	5,383	6,546	6,064	7,018	5,206	51,485	4,530
Texas, southern	627	2,246	2,989	1,177	2,836	17,354	3,298
Utah	2,264	4,848	3,809	1,994	1,849	29,282	1,818
Vermont	630	1,588	660	122	128	6,312	151
Virginia	264	233	348	634	1,150	8,630	848
Washington	11,109	10,704	5,357	5,717	2,591	80,302	1,830
West Virginia	797	596	559	310	732	4,990	1,153
Wisconsin	7,222	5,936	3,410	969	999	38,616	3,302
Wyoming	--	--	--	--	--	144	--
Puerto Rico	19,527	19,715	19,385	16,620	18,680	249,580	16,905
Foreign countries ⁴	3,660	656	953	748	3,000	39,564	3,122
Total shipments ⁵	238,906	212,857	181,092	141,339	92,957	1,949,098	81,770

-- 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.

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 2016–JANUARY 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	291	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	173,040	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–JANUARY 2017^{1, 2}

(Metric tons)

Destination	2016						2017
	August	September	October	November	December	January–December	January
Alabama	7,372	6,794	7,312	6,639	5,015	80,544	6,334
Alaska	--	--	--	--	--	--	--
Arizona	2,073	1,775	2,068	1,833	1,908	24,537	2,113
Arkansas	4,465	4,282	4,082	4,137	3,747	49,506	3,681
California, northern	3,220	2,810	3,032	2,727	2,061	27,259	2,321
California, southern	15,704	16,565	16,125	13,582	13,283	183,592	10,916
Colorado	598	610	422	435	292	5,601	329
Connecticut	1,836	1,355	1,494	1,034	620	13,995	593
Delaware	549	315	375	404	243	4,505	271
District of Columbia	--	--	--	--	862	883	1,273
Florida	34,672	35,683	35,262	37,645	37,469	443,041	38,980
Georgia	14,154	12,965	13,545	12,942	10,148	155,315	12,056
Hawaii	144	113	140	166	72	1,503	153
Idaho	--	--	--	--	--	--	--
Illinois, excluding Chicago	668	722	812	546	738	8,068	369
Illinois, Chicago metropolitan	1,746	1,608	2,071	1,840	1,857	19,738	1,037
Indiana	3,279	3,252	3,305	2,792	2,395	33,653	1,988
Iowa	--	23	13	--	--	410	1
Kansas	358	401	380	542	292	4,345	223
Kentucky	5,162	5,355	5,077	5,204	3,467	54,883	3,348
Louisiana	3,418	3,861	3,951	3,826	3,354	46,641	3,912
Maine	48	32	35	44	18	567	25
Maryland	3,183	2,712	3,016	3,088	2,653	32,166	3,859
Massachusetts	1,025	850	928	728	414	9,703	464
Michigan	5,649	5,534	5,181	4,749	2,873	54,169	2,536
Minnesota	142	107	95	27	33	963	23
Mississippi	3,667	3,316	3,854	3,218	2,532	38,901	2,918
Missouri	839	917	991	799	709	10,980	509
Montana	17	--	--	58	--	388	17
Nebraska	54	--	51	8	--	291	--
Nevada	607	354	431	498	322	4,751	288
New Hampshire	594	591	552	497	358	6,194	34
New Jersey	3,275	2,891	3,042	2,512	1,777	36,505	2,427
New Mexico	240	216	212	200	159	2,583	142
New York, eastern	601	1,369	665	468	332	7,127	259
New York, western	1,080	2,485	831	700	514	10,962	660
New York, metropolitan	5,061	2,388	4,530	2,473	2,319	41,366	2,644
North Carolina	15,281	13,705	13,280	14,040	11,005	164,194	11,949
North Dakota	149	112	68	46	22	666	46
Ohio	7,339	6,824	7,080	5,929	5,294	73,122	3,725
Oklahoma	2,828	2,844	3,863	2,833	1,608	34,945	2,145
Oregon	6	14	8	--	--	100	--
Pennsylvania, eastern	4,804	4,005	5,011	5,911	3,388	51,347	3,933
Pennsylvania, western	2,382	3,815	2,353	1,982	3,539	27,971	4,207
Rhode Island	61	48	56	31	36	599	16
South Carolina	6,453	6,207	5,853	6,466	5,222	73,030	5,967
South Dakota	--	--	--	--	--	--	--
Tennessee	13,590	12,924	12,981	12,489	9,267	143,324	10,414
Texas, northern	10,024	10,947	10,052	8,998	9,719	117,401	9,842
Texas, southern	17,969	18,401	18,680	16,880	15,381	215,874	16,580
Utah	--	--	--	--	--	--	--
Vermont	96	16	113	11	46	566	--
Virginia	7,078	5,663	6,060	6,290	6,568	72,208	6,479
Washington	30	--	--	--	--	30	1
West Virginia	891	826	894	924	650	8,803	683
Wisconsin	1,474	1,172	851	725	247	10,484	466
Wyoming	--	--	--	--	--	--	--
Puerto Rico	--	--	--	--	--	--	--
Foreign countries ³	25	--	22	22	5	191	71
Total shipments ⁴	215,982	209,776	211,105	199,939	174,833	2,410,488	183,227

-- 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 JANUARY (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	68	74	52	72	73	68	76	4.2	11.8
Alaska	6	8	8	9	5	7	4	-18.5	-40.2
Arizona	125	143	150	164	141	145	166	17.6	14.6
Arkansas	60	50	48	60	56	55	54	-3.3	-1.3
California, northern	173	199	237	270	178	211	180	1.4	-14.7
California, southern	341	359	439	460	398	400	343	-13.9	-14.2
Colorado	93	99	118	123	118	110	122	3.4	10.8
Connecticut	25	33	21	21	31	26	29	-6.4	12.1
Delaware	8	11	8	9	12	10	11	-4.2	15.7
District of Columbia	12	15	11	13	18	14	12	-33.6	-11.6
Florida	287	359	421	441	484	399	551	13.6	38.1
Georgia	117	130	112	170	177	141	221	25.1	56.7
Hawaii	24	21	26	32	31	27	26	-16.3	-2.9
Idaho	10	10	17	17	21	15	8	-60.4	-44.6
Illinois, excluding Chicago	52	43	33	53	47	46	48	1.9	5.2
Illinois, Chicago metropolitan	42	41	33	64	47	45	71	49.1	55.7
Indiana	62	61	34	67	62	57	79	26.1	37.1
Iowa	30	28	28	39	40	33	39	-3.4	16.0
Kansas	84	62	65	69	60	68	65	8.5	-3.9
Kentucky	54	52	30	58	52	49	59	14.6	19.8
Louisiana	165	134	137	154	179	154	126	-30.0	-18.5
Maine	6	6	6	5	8	6	9	12.0	40.2
Maryland	66	67	51	54	63	60	70	12.1	16.3
Massachusetts	40	44	40	41	53	44	58	10.2	32.9
Michigan	44	41	30	43	56	43	63	12.3	47.6
Minnesota	33	32	32	45	44	37	43	-1.7	15.3
Mississippi	52	46	44	48	47	47	45	-4.4	-5.4
Missouri	74	66	51	80	79	70	87	10.3	25.1
Montana	9	7	11	8	10	9	7	-31.5	-24.2
Nebraska	36	32	29	37	31	33	25	-20.9	-25.9
Nevada	64	76	78	90 ²	83 ²	78	94	12.1	19.4
New Hampshire	8	8	7	6	8	7	10	17.5	31.7
New Jersey	73	74	60	73	72	70	84	17.2	19.6
New Mexico	43	38	43	38	28	38	29	3.3	-23.1
New York, eastern	21	22	15	22	23	21	24	4.4	16.6
New York, western	25	24	16	17	19	20	29	51.8	42.8
New York, metropolitan	73	77	50	68	97	73	104	7.1	42.3
North Carolina	126	137	106	132	144	129	170	18.1	31.7
North Dakota	23	26	27	28	19	25	10	-47.6	-59.6
Ohio	105	104	69	100	101	96	125	24.2	30.8
Oklahoma	133	131	133	128	117	128	110	-6.1	-14.7
Oregon	31	39	52	51	47	44	49	5.5	12.0
Pennsylvania, eastern	73	80	65	72	75	73	87	16.9	19.8
Pennsylvania, western	54	46	37	47	44	46	47	6.8	4.0
Rhode Island	5	6	3	3	5	5	6	9.6	27.0
South Carolina	69	95	69	87	103	85	112	8.0	31.5
South Dakota	11	10	8	10	8	9	10	26.0	6.2
Tennessee	85	74	58	91	87	79	110	26.3	38.6
Texas, northern	383	429	498	464	484 ²	452	507	4.6	12.1
Texas, southern	520	541	610	626	654	590	593	-9.3	0.5
Utah	59	42	64	65	62	58	54	-13.7	-8.4
Vermont	4	3	4	3	5	4	4	-6.7	18.8
Virginia	107	106	83	100	104	100	118	13.9	18.2
Washington	71	95	111	121	109	101	92	-15.8	-9.1
West Virginia	26	28	21	28	20	24	23	17.5	-5.1
Wisconsin	34	36	31	42	45	38	53	18.7	41.7
Wyoming	15	15	15	15	12	14	10	-14.6	-29.5
Puerto Rico	70	62	53	44	39	54	41	5.0	-24.1
Foreign countries	59	92	70	69	46	67	34	-26.8	-49.5
Total ³	4,573	4,788	4,779	5,366 ²	5,281	4,958	5,434	2.9	9.6

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–JANUARY 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	--	45,591	53,438	70,979	31,928	63,940	55,833
South Carolina	216,190	101,663	258,887	277,999	288,732	198,843	267,639
District subtotal ²	825,451	756,025	1,252,662	1,393,042	1,285,038	1,239,429	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 total²	5,224,194	5,081,229	6,026,710	6,022,484	6,967,078	6,941,893	6,885,670

See footnotes at end of table.

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

(Metric tons)

District	2016						2017
	August	September	October	November	December	January–December	January
New England and Middle Atlantic:							
Maine and New York	97,172	71,848	93,372	80,279	73,770	1,009,205	30,605
Pennsylvania	351,592	350,374	356,096	253,852	194,688	3,443,886	195,575
District subtotal ²	448,764	422,222	449,468	334,131	268,458	4,453,091	226,180
East North Central:							
Illinois	150,732	137,803	125,778	148,177	90,882	1,575,637	91,332
Indiana	312,162 ³	297,616 ³	298,968 ³	294,849 ³	286,103 ³	3,374,032 ³	137,208 ³
Michigan	267,874	274,884	241,318	273,241	265,722	3,188,877	209,338
Ohio	(3)	(3)	(3)	(3)	(3)	(3)	(3)
District subtotal ²	730,767	710,303	666,063	716,267	642,707	8,138,546	437,878
West North Central:							
Iowa, Nebraska, South Dakota	271,210	273,025	257,653	264,773	237,723	3,008,573	289,488
Kansas	178,500	197,491	211,566	158,989	189,689	2,049,208	118,734
Missouri	835,601	665,035	819,689	803,627	401,649	7,707,832	375,709
District subtotal ²	1,285,312	1,135,551	1,288,908	1,227,389	829,061	12,765,613	783,931
South Atlantic:							
Florida	523,287	386,140	508,626	464,610	464,469	5,532,901	444,297
Georgia, Maryland, Virginia, West Virginia	481,819	468,564	531,008	460,228	451,977	5,293,872	165,409
Puerto Rico	7,700	3,969	7,762	--	--	341,141	7,268
South Carolina	240,976	229,881	209,446	241,750	237,996	2,770,001	101,670
District subtotal ²	1,253,781	1,088,553	1,256,842	1,166,588	1,154,442	13,937,915	718,644
East South Central:							
Alabama, Kentucky, Tennessee	639,633	523,007	564,951	551,276	562,857	6,528,380	417,912
West South Central:							
Arkansas and Oklahoma	213,084	208,103	222,593	199,983	143,654	2,413,868	156,621
Texas, northern	471,872	425,810	396,538	429,916	414,312	4,761,689	177,620
Texas, southern	422,923	473,832	523,077	477,742	411,160	5,526,225	373,767
District subtotal ²	1,107,880	1,107,745	1,142,209	1,107,640	969,126	12,701,782	708,007
Mountain and Pacific:							
Arizona and New Mexico	151,280	224,262	214,967	96,414	126,485	1,936,644	167,338
California	809,086	707,627	722,391	830,253	623,712	8,930,923	588,736
Colorado and Wyoming	268,268	270,578	234,147	287,745	88,401	2,725,728	88,057
Montana, Nevada, Oregon, Utah							
Washington	326,494	301,133	347,952	281,954	253,945	3,549,631	158,976
District subtotal ²	1,555,129	1,503,599	1,519,457	1,496,366	1,092,543	17,142,926	1,003,106
Grand total ²	7,021,265	6,490,979	6,887,898	6,599,657	5,519,194	75,668,254	4,295,659

-- 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, JANUARY 2017¹

(Metric tons, unless otherwise specified)

Customs district	Belgium	Canada	China	Croatia	Egypt	France	Greece	Japan	Korea, Republic of
Anchorage, AK	--	94	--	--	--	--	--	--	--
Baltimore, MD	--	--	154	--	--	--	--	--	--
Buffalo, NY	--	28,549	--	--	--	--	--	--	--
Charleston, SC	--	--	--	--	--	--	--	--	--
Chicago, IL	1	--	19	--	--	--	--	16	--
Cleveland, OH	--	--	--	--	--	--	--	--	33
Columbia-Snake, ID OR WA	--	--	--	--	--	--	--	--	62,450
Detroit, MI ³	--	30,469	59	34	--	--	--	--	--
El Paso, TX ⁴	--	--	16	--	--	--	--	--	--
Great Falls, MT	--	79	--	--	--	--	--	--	--
Houston-Galveston, TX	--	--	--	--	1,088	--	81,730	--	--
Laredo, TX	--	--	--	--	--	--	--	--	--
Los Angeles, CA	--	--	2,160	--	4,488	--	--	--	1
Miami, FL	--	--	--	--	816	--	--	--	--
New York City, NY	--	--	--	--	--	--	70,417	--	--
Norfolk, VA	--	--	--	--	--	143	7,810	--	--
Ogdensburg, NY	--	9,668	--	--	--	--	--	--	--
Pembina, ND	--	3,530	--	--	--	--	--	--	--
Philadelphia, PA	--	--	--	--	1,088	--	--	--	--
Portland, ME	--	309	--	--	--	--	--	--	--
Providence, RI	--	--	--	--	--	--	27,607	--	--
San Diego, CA	--	--	--	--	--	--	--	--	--
San Francisco, CA	--	--	29,630	--	816	--	--	--	--
San Juan, PR	--	--	--	--	--	--	24,501	--	--
Savannah, GA	--	--	36	84	870	--	--	--	--
Seattle, WA ³	--	46,510	26,166	--	--	--	--	--	--
St. Albans, VT	--	4,418	--	--	--	--	--	--	--
Total:									
Quantity ^{3,4}	1	123,626	58,240	118	9,166	143	212,065	16	62,484
Value ^{3,4,5}	\$3,555	\$12,518,498	\$4,199,642	\$125,585	\$1,389,674	\$196,212	\$13,370,660	\$27,840	\$3,467,154

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, JANUARY 2017¹

(Metric tons, unless otherwise specified)

Customs district	Malta ²	Mexico	Netherlands	Poland	Portugal	Spain	Sweden	Thailand	Turkey ²	United Kingdom
Anchorage, AK	--	--	--	--	--	--	--	--	--	--
Baltimore, MD	--	--	--	--	--	--	19	--	--	--
Buffalo, NY	--	--	--	--	--	--	--	--	--	--
Charleston, SC	--	--	19	--	--	--	--	--	--	--
Chicago, IL	--	--	--	--	--	--	--	--	--	--
Cleveland, OH	--	--	91	38	--	--	--	--	--	--
Columbia-Snake, ID OR WA	--	--	--	--	--	--	--	--	--	--
Detroit, MI ³	--	--	--	--	--	--	--	--	--	--
El Paso, TX ⁴	--	5,367	--	--	--	--	--	--	--	--
Great Falls, MT	--	--	--	--	--	--	--	--	--	--
Houston-Galveston, TX	--	--	--	--	31,798	43,264	--	--	1,339	--
Laredo, TX	--	14,095	--	--	--	--	--	--	--	--
Los Angeles, CA	--	--	--	--	--	--	--	961	2,171	26
Miami, FL	--	--	2	--	--	15,000	54,997	--	3,094	--
New York City, NY	5,000	--	18	--	--	208	--	--	13,380	--
Norfolk, VA	--	--	--	--	--	--	--	--	--	95
Ogdensburg, NY	--	--	--	--	--	--	--	--	--	--
Pembina, ND	--	--	--	--	--	--	--	--	--	--
Philadelphia, PA	--	--	100	--	--	--	--	--	--	13
Portland, ME	--	--	--	--	--	--	--	--	--	--
Providence, RI	--	--	--	--	--	--	--	--	13,380	--
San Diego, CA	--	4,184	--	--	--	--	--	--	--	--
San Francisco, CA	--	--	--	--	--	--	--	--	--	--
San Juan, PR	--	814	--	--	57	--	--	--	--	--
Savannah, GA	--	--	--	--	--	--	--	--	--	--
Seattle, WA ³	--	--	--	--	--	--	--	--	--	--
St. Albans, VT	--	--	--	--	--	--	--	--	--	--
Total:										
Quantity ^{3,4}	5,000	24,460	230	38	31,855	58,472	55,016	961	33,364	134
Value ^{3,4,5}	\$551,250	\$3,070,953	\$274,010	\$36,789	\$3,216,862	\$5,551,612	\$3,766,199	\$167,227	\$2,979,433	\$88,310

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, JANUARY 2017¹

(Metric tons, unless otherwise specified)

Customs district	Total	January	Country	January	
				Quantity	Value ⁵
Anchorage, AK	94	94	Belgium	1	\$3,555
Baltimore, MD	173	173	Canada ³	123,626	12,518,498
Buffalo, NY	28,549	28,549	China	58,240	4,199,642
Charleston, SC	19	19	Croatia	118	125,585
Chicago, IL	36	36	Egypt	9,166	1,389,674
Cleveland, OH	162	162	France	143	196,212
Columbia-Snake, ID OR WA	62,450	62,450	Greece	212,065	13,370,660
Detroit, MI ³	30,562	30,562	Japan	16	27,840
El Paso, TX ⁴	5,383	5,383	Korea, Republic of	62,484	3,467,154
Great Falls, MT	79	79	Malta ²	5,000	551,250
Houston-Galveston, TX	159,219	159,219	Mexico ⁴	24,460	3,070,953
Laredo, TX	14,095	14,095	Netherlands	230	274,010
Los Angeles, CA	9,807	9,807	Poland	38	36,789
Miami, FL	73,909	73,909	Portugal	31,855	3,216,862
New York City, NY	89,023	89,023	Spain	58,472	5,551,612
Norfolk, VA	8,048	8,048	Sweden	55,016	3,766,199
Ogdensburg, NY	9,668	9,668	Thailand	961	167,227
Pembina, ND	3,530	3,530	Turkey ²	33,364	2,979,433
Philadelphia, PA	1,201	1,201	United Kingdom	134	88,310
Portland, ME	309	309	Total ^{3,4}	675,389	55,001,465
Providence, RI	40,987	40,987			
San Diego, CA	4,184	4,184			
San Francisco, CA	30,446	30,446			
San Juan, PR	25,372	25,372			
Savannah, GA	990	990			
Seattle, WA ³	72,676	72,676			
St. Albans, VT	4,418	4,418			
Total:					
Quantity ^{3,4}	675,389	675,389			
Value ^{3,4,5}	\$55,001,465	\$55,001,465			

-- 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.

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.

⁵Value = c.i.f. (cost, insurance, and freight).

Source: U.S. Census Bureau.

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

(Metric tons, unless otherwise specified)

Customs district	Canada	China	Egypt	Malta	Mexico	Portugal	Spain	Thailand	Turkey
Buffalo, NY	5,894	--	--	--	--	--	--	--	--
Detroit, MI	16,805	--	--	--	--	--	--	--	--
El Paso, TX	--	--	--	--	1,363	--	--	--	--
Houston–Galveston, TX	--	--	1,088	--	--	--	--	--	1,339
Laredo, TX	--	--	--	--	14,095	--	--	--	--
Los Angeles, CA	--	2,160	4,488	--	--	--	--	961	2,171
Miami, FL	--	--	816	--	--	--	15,000	--	3,094
New York City, NY	--	--	--	5,000	--	--	--	--	--
Ogdensburg, NY	84	--	--	--	--	--	--	--	--
Philadelphia, PA	--	--	1,088	--	--	--	--	--	--
San Diego, CA	--	--	--	--	4,184	--	--	--	--
San Francisco, CA	--	--	816	--	--	--	--	--	--
San Juan, PR	--	--	--	--	817	57	--	--	--
Savannah, GA	--	--	435	--	--	--	--	--	--
Total:									
Quantity	22,783	2,160	8,731	5,000	20,456	57	15,000	961	6,604
Value ³	\$3,005,726	\$303,281	\$1,324,938	\$551,250	\$2,496,437	\$14,206	\$2,028,900	\$167,227	\$1,150,387

See footnotes at end of table.

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

(Metric tons, unless otherwise specified)

Customs district	Total	January	January		
			Quantity	Value ³	
Buffalo, NY	5,894	5,894	Canada	22,783	\$3,005,726
Detroit, MI	16,805	16,805	China	2,160	303,281
El Paso, TX	1,363	1,363	Egypt	8,731	1,324,938
Houston–Galveston, TX	2,427	2,427	Malta	5,000	551,250
Laredo, TX	14,095	14,095	Mexico	20,456	2,496,437
Los Angeles, CA	9,780	9,780	Portugal	57	14,206
Miami, FL	18,910	18,910	Spain	15,000	2,028,900
New York City, NY	5,000	5,000	Thailand	961	167,227
Ogdensburg, NY	84	84	Turkey	6,604	1,150,387
Philadelphia, PA	1,088	1,088	Total	81,752	11,042,352
San Diego, CA	4,184	4,184			
San Francisco, CA	816	816			
San Juan, PR	871	871			
Savannah, GA	435	435			
Total:					
Quantity	81,752	81,752			
Value ³	\$11,042,352	\$11,042,352			

-- 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, JANUARY 2017¹

(Metric tons, unless otherwise specified)

Customs district	Canada	China	Egypt	Total	January	January		
						Country	Quantity	Value ²
Detroit, MI ³	--	59	--	59	59	Canada ³	93	\$6,850
Savannah, GA	--	--	435	435	435	China	59	19,629
Seattle, WA	93	--	--	93	93	Egypt	435	64,736
Total:						Total	587	91,215
Quantity	93	59	435	587	587			
Value ²	\$6,850	\$19,629	\$64,736	\$91,215	\$91,215			

-- Zero.

¹Data are included in table 5.

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

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

Source: U.S. Census Bureau.