



# Mineral Industry Surveys

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## CRUSHED STONE AND SAND AND GRAVEL IN THE FOURTH QUARTER 2017

An estimated 339 million metric tons (Mt) of crushed stone was produced and shipped for consumption in the United States in the fourth quarter of 2017, an increase of 4% compared with that of the same period of 2016. The estimated total output of crushed stone produced for consumption in 2017 was 1.35 billion metric tons (Gt), virtually the same as that of 2016.

The estimated U.S. output of construction sand and gravel produced and shipped for consumption in the fourth quarter of 2017 was 233 Mt, an increase of 10% compared with that of the same period of 2016. The estimated total output of construction sand and gravel produced for consumption in 2017 was 906 Mt, a slight increase compared with that of 2016.

An estimated 572 Mt of total construction aggregates was produced and shipped for consumption in the United States in the fourth quarter of 2017, an increase of 6% compared with that of the same period of 2016 (fig.1). The estimated total output of construction aggregates produced for consumption in 2017 was 2.26 Gt, about the same as that of 2016 (fig.2).

The above estimates are based on information reported to the U.S. Geological Survey (USGS) quarterly sample survey by crushed stone and construction sand and gravel producers.

Shipments of portland and blended cement increased by 4% in the fourth quarter of 2017 compared with that of the fourth quarter of 2016. Annual consumption increased slightly in 2017, compared with that of 2016. This information is obtained from the USGS monthly survey of U.S. cement producers.

This sample survey generates production-for-consumption estimates by quarter, based on information reported voluntarily by a limited number of producing companies. Often, a few companies may report quantities sold in the current quarter that vary greatly from what was reported in the previous year during the same quarter. This change in sales is rarely an indicator of the change in the demand in the State as a whole. Typically, a large change in sales can be attributed to the opening or closing of an operation, the weather, or an external force that only the company or one of its operations experienced in that quarter. Previously reported data are occasionally revised, and the estimated quantities for the prior quarters are then recalculated.

The latest release of the quarterly Mineral Industry Surveys contains the most recent estimated totals and supersedes previously published reports.

The estimated production for consumption of crushed stone in the fourth quarter of 2017 increased in seven of the nine geographic divisions compared with that sold or used in the fourth quarter of 2016. Production for consumption increased in 29 of the 44 States for which production estimates of crushed stone were made.

The estimated production for consumption of construction sand and gravel in the fourth quarter of 2017 increased from fourth quarter 2016 levels in eight of the nine geographic divisions. Production for consumption increased in 32 of the 43 States for which production estimates of construction sand and gravel were made.

The estimated production for consumption of construction aggregates in the fourth quarter of 2017 increased in seven of the nine geographic divisions compared with that sold or used in the fourth quarter of 2016. In the fourth quarter, production for consumption increased in 28 of the 43 States for which production estimates of construction aggregates were made. The five leading States in the fourth quarter of 2017 were, in descending order of production, Texas, California, Ohio, Pennsylvania, and Florida. Their combined total production of construction aggregates was 163 Mt, 29% of the U.S. total.

The estimated total production for consumption of construction aggregates in 2017 increased, compared with that in 2016, in 30 of the 50 States for which estimates were made. The five leading States were, in descending order of total annual output for 2017, Texas, California, Florida, Pennsylvania, and Ohio. Their combined total annual output was 650 Mt, 29% of the U.S. total, and a slight decrease compared with that of 2016.

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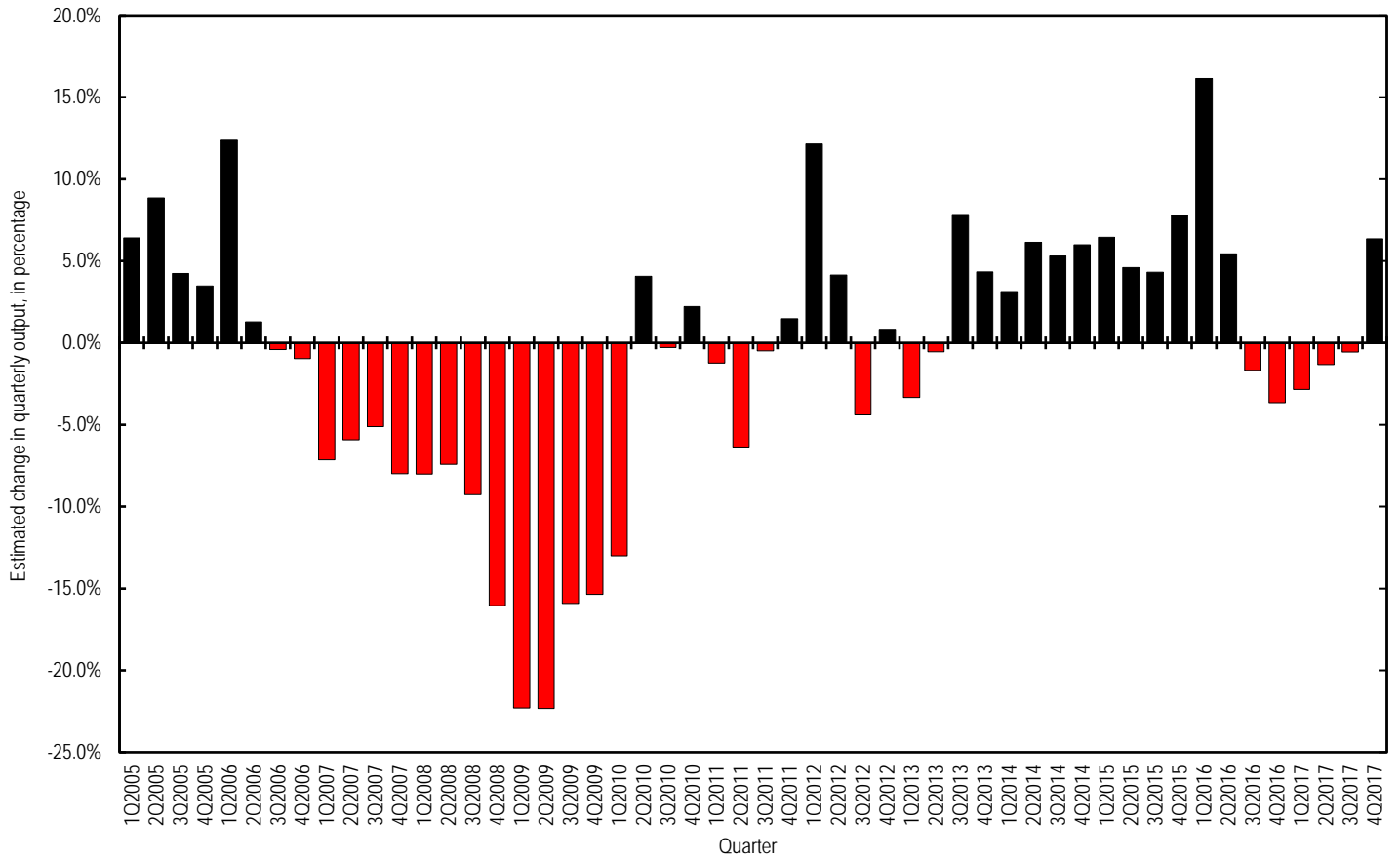


Figure 1. Percentage change in the quantity of construction aggregates produced and shipped for consumption in the United States each quarter from 2005 through 2017. All comparisons are versus the same quarter of the prior year.

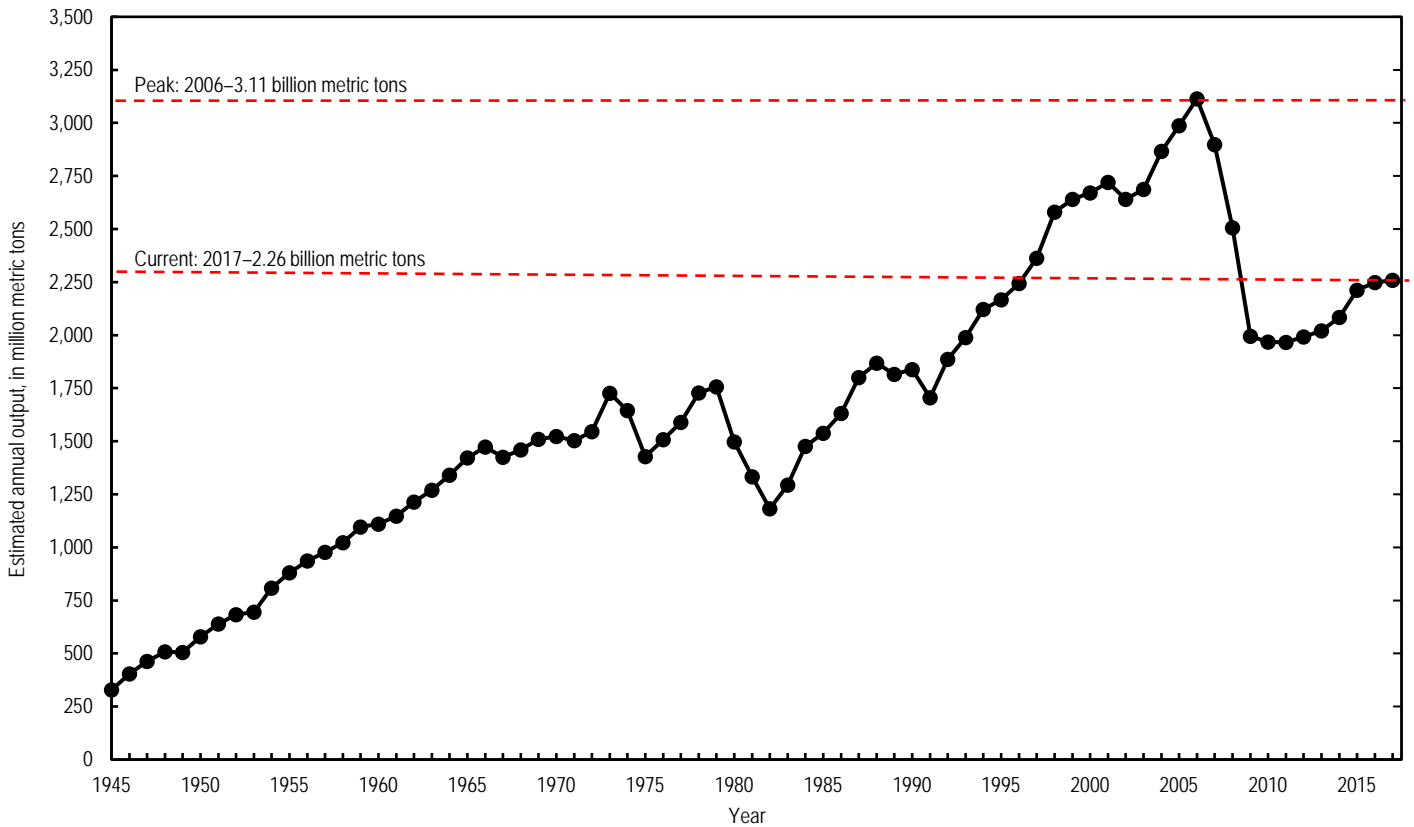


Figure 2. Estimated annual output of construction aggregates produced and shipped for consumption in the United States from 1945 through 2017.

TABLE 1  
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY DIVISION<sup>1</sup>

(Thousand metric tons and thousand dollars)

Region/Division <sup>2</sup>	2016					
	Quantity				Value	
	1st qtr.	2d qtr.	3d qtr.	4th qtr.	1st-4th qtr. <sup>3</sup>	1st-4th qtr. <sup>3</sup>
Northeast:						
New England	3,060	12,400	14,500	9,840	39,800	503,000
Middle Atlantic	19,500	42,100	46,000	33,100	141,000	1,820,000
Midwest:						
East North Central	29,400	63,400	71,200	55,200	219,000	1,970,000
West North Central	24,300	37,200	39,400	33,300	135,000	1,270,000
South:						
South Atlantic	66,400	80,700	81,500	70,900	300,000	4,180,000
East South Central	26,600	37,600	38,300	33,600	136,000	1,600,000
West South Central	58,200	58,000	60,800	54,500	231,000	2,360,000
West:						
Mountain	11,100	18,200	19,000	13,200	78,300	589,000
Pacific	14,900	18,600	20,900	16,900	71,300	704,000
Total <sup>4</sup>	267,000	372,000	391,000	326,000	1,360,000	15,100,000

See footnotes at end of table.

TABLE 1—Continued  
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY DIVISION<sup>1</sup>

(Thousand metric tons and thousand dollars)

Region/Division <sup>2</sup>	2017										
	Quantity		Percent		Quantity		Percent		Quantity		Value
	1st qtr.	change <sup>5</sup>	2d qtr.	change <sup>5</sup>	3d qtr.	change <sup>5</sup>	4th qtr.	change <sup>5</sup>	1st-4th qtr. <sup>3</sup>	1st-4th qtr. <sup>3</sup>	
Northeast:											
New England	2,620	-14.5	11,500	-7.2	15,100	4.4	10,200	3.1	39,400	517,000	
Middle Atlantic	18,500	-5.0	41,000	-2.7	44,300	-3.9	35,300	6.5	139,000	1,850,000	
Midwest:											
East North Central	31,600	7.6	58,000	-8.6	67,800	-5.0	54,300	-1.5	212,000	1,960,000	
West North Central	21,300	-12.3	36,800	-1.2	38,800	-1.5	29,700	-12.1	127,000	1,240,000	
South:											
South Atlantic	67,600	1.8	80,300	-0.5	82,100	0.7	75,000	5.5	305,000	4,360,000	
East South Central	26,700	0.6	35,800	-4.9	38,300	0.0	36,900	9.0	138,000	1,680,000	
West South Central	55,100	-5.3	59,800	3.1	58,400	-4.0	54,600	0.2	228,000	2,390,000	
West:											
Mountain	12,200	10.1	19,500	7.1	20,700	7.9	14,800	10.7	83,900	667,000	
Pacific	12,800	-14.1	19,500	5.3	22,800	8.4	19,700	14.6	74,900	772,000	
Total <sup>4</sup>	261,000	-2.2	365,000	-2.0	387,000	-0.9	339,000	4.0	1,350,000	15,600,000	

<sup>1</sup>Quarterly totals shown are estimates based on a sample survey. Estimated quantities for prior quarters have been recalculated.

<sup>2</sup>Sales region equivalent to U.S. Census Bureau Geographic Division as follows: New England (CT, MA, ME, NH, RI, VT); Middle Atlantic (NJ, NY, PA); East North Central (IL, IN, MI, OH, WI); West North Central (IA, KS, MN, MO, NE, ND, SD); South Atlantic (DE, FL, GA, MD, NC, SC, VA, WV); East South Central (AL, KY, MS, TN); West South Central (AR, LA, OK, TX); Mountain (AZ, CO, ID, MT, NM, NV, UT, WY); Pacific (AK, CA, HI, OR, WA).

<sup>3</sup>Data may not add to totals shown because of independent rounding and differences between projected totals by States and by divisions.

<sup>4</sup>Includes all 50 States.

<sup>5</sup>Compared with same period of preceding year; all percentages are calculated using unrounded totals.

TABLE 2  
CONSTRUCTION SAND AND GRAVEL SOLD OR USED BY PRODUCERS IN  
THE UNITED STATES, BY DIVISION<sup>1</sup>

(Thousand metric tons and thousand dollars)

Region/Division <sup>2</sup>	2016					
	Quantity					Value
	1st qtr.	2d qtr.	3d qtr.	4th qtr.	1st-4th qtr. <sup>3</sup>	1st-4th qtr. <sup>3</sup>
Northeast:						
New England	1,350	6,630	8,510	5,510	34,600	326,000
Middle Atlantic	7,880	14,600	15,900	12,000	50,400	498,000
Midwest:						
East North Central	13,100	31,800	38,600	27,400	139,000	1,000,000
West North Central	11,400	36,300	48,600	28,300	124,000	774,000
South:						
South Atlantic	14,100	17,400	17,800	16,100	65,400	599,000
East South Central	3,520	5,570	5,840	4,900	37,300	281,000
West South Central	29,300	29,000	29,800	26,300	114,000	1,150,000
West:						
Mountain	27,600	53,500	54,800	41,800	178,000	1,450,000
Pacific	27,000	37,300	41,400	33,600	139,000	1,510,000
Total <sup>4</sup>	162,000	249,000	269,000	212,000	892,000	7,670,000

See footnotes at end of table.

TABLE 2—Continued  
CONSTRUCTION SAND AND GRAVEL SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY DIVISION<sup>1</sup>

(Thousand metric tons and thousand dollars)

Region/Division <sup>2</sup>	2017									
	Quantity		Percent		Quantity		Percent		Quantity	Value
	1st qtr.	change <sup>5</sup>	2d qtr.	change <sup>5</sup>	3d qtr.	change <sup>5</sup>	4th qtr.	change <sup>5</sup>	1st-4th qtr. <sup>3</sup>	1st-4th qtr. <sup>3</sup>
Northeast:										
New England	1,400	3.4	6,530	-1.5	7,560	-12.5	6,510	15.4	34,600	336,000
Middle Atlantic	6,880	-12.6	13,600	-6.8	13,700	-15.9	11,300	-6.1	45,500	462,000
Midwest:										
East North Central	11,400	-13.4	31,000	-2.4	37,100	-4.0	28,200	2.8	136,000	1,000,000
West North Central	9,510	-16.4	35,600	-1.8	50,300	3.4	30,300	6.7	126,000	802,000
South:										
South Atlantic	15,400	9.4	18,000	3.6	17,800	-0.4	17,100	5.9	68,300	645,000
East South Central	3,810	8.2	5,390	-3.1	6,170	5.3	5,060	3.1	37,900	295,000
West South Central	27,700	-5.3	29,000	-0.3	26,800	-11.3	27,300	3.7	111,000	1,150,000
West:										
Mountain	27,700	0.3	51,500	-3.7	56,400	2.9	48,600	14.0	184,000	1,530,000
Pacific	24,900	-7.9	41,400	11.1	45,500	9.0	40,900	17.9	153,000	1,700,000
Total <sup>4</sup>	156,000	-3.9	248,000	-0.3	269,000	0.0	233,000	9.9	906,000	8,010,000

<sup>1</sup>Quarterly totals shown are estimates based on a sample survey. Estimated quantities for prior quarters have been recalculated.

<sup>2</sup>Sales region equivalent to U.S. Census Bureau Geographic Division as follows: New England (CT, MA, ME, NH, RI, VT); Middle Atlantic (NJ, NY, PA); East North Central (IL, IN, MI, OH, WI); West North Central (IA, KS, MN, MO, NE, ND, SD); South Atlantic (DE, FL, GA, MD, NC, SC, VA, WV); East South Central (AL, KY, MS, TN); West South Central (AR, LA, OK, TX); Mountain (AZ, CO, ID, MT, NM, NV, UT, WY); Pacific (AK, CA, HI, OR, WA).

<sup>3</sup>Data may not add to totals shown because of independent rounding and differences between projected totals by States and by divisions.

<sup>4</sup>Includes all 50 States.

<sup>5</sup>Compared with same period of preceding year; all percentages are calculated using unrounded totals.

TABLE 3  
CONSTRUCTION AGGREGATES SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY DIVISION<sup>1</sup>

(Thousand metric tons and thousand dollars)

Region/Division <sup>2</sup>	2016					
	Quantity				Value	
	1st qtr.	2d qtr.	3d qtr.	4th qtr.	1st–4th qtr. <sup>3</sup>	1st–4th qtr. <sup>3</sup>
<b>Northeast:</b>						
New England	4,420	19,000	23,000	15,300	74,300	830,000
Middle Atlantic	27,400	56,700	61,900	45,000	191,000	2,320,000
<b>Midwest:</b>						
East North Central	42,500	95,200	110,000	82,600	358,000	2,980,000
West North Central	35,700	73,500	87,900	61,600	259,000	2,040,000
<b>South:</b>						
South Atlantic	80,500	98,100	99,400	87,000	365,000	4,770,000
East South Central	30,100	43,200	44,100	38,500	173,000	1,880,000
West South Central	87,500	87,100	90,600	80,800	346,000	3,520,000
<b>West:</b>						
Mountain	38,600	71,700	73,800	55,000	256,000	2,040,000
Pacific	41,900	55,800	62,400	50,400	211,000	2,210,000
Total <sup>4</sup>	429,000	621,000	660,000	538,000	2,250,000	22,800,000

See footnotes at end of table.

TABLE 3—Continued  
CONSTRUCTION AGGREGATES SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY DIVISION<sup>1</sup>

(Thousand metric tons and thousand dollars)

Region/Division <sup>2</sup>	2017									
	Quantity 1st qtr.	Percent change <sup>5</sup>	Quantity 2d qtr.	Percent change <sup>5</sup>	Quantity 3d qtr.	Percent change <sup>5</sup>	Quantity 4th qtr.	Percent change <sup>5</sup>	Quantity 1st–4th qtr. <sup>3</sup>	Value 1st–4th qtr. <sup>3</sup>
<b>Northeast:</b>										
New England	4,020	-9.0	18,000	-5.2	22,700	-1.2	16,700	7.9	73,700	847,000
Middle Atlantic	25,400	-7.2	54,600	-3.7	58,000	-6.7	46,600	3.4	185,000	2,310,000
<b>Midwest:</b>										
East North Central	43,000	1.1	89,000	-6.5	105,000	-4.6	82,500	(6)	343,000	2,930,000
West North Central	30,800	-13.6	72,400	-1.5	89,100	1.3	60,000	-2.6	251,000	2,040,000
<b>South:</b>										
South Atlantic	83,000	3.1	98,400	0.2	99,800	0.5	92,100	5.5	373,000	5,020,000
East South Central	30,500	1.5	41,200	-4.7	44,400	0.7	42,000	8.3	178,000	2,000,000
West South Central	82,800	-5.3	88,800	2.0	85,200	-6.3	81,900	1.4	339,000	3,540,000
<b>West:</b>										
Mountain	39,800	3.1	71,000	-1.0	77,100	4.2	63,400	13.2	261,000	2,150,000
Pacific	37,700	-10.1	61,000	9.2	68,400	8.8	60,600	16.8	228,000	2,460,000
Total <sup>4</sup>	417,000	-2.8	613,000	-1.3	656,000	-0.6	572,000	6.3	2,260,000	23,600,000

<sup>1</sup>Quarterly totals shown are estimates based on a sample survey. Estimated quantities for prior quarters have been recalculated.

<sup>2</sup>Sales region equivalent to U.S. Census Bureau Geographic Division as follows: New England (CT, MA, ME, NH, RI, VT); Middle Atlantic (NJ, NY, PA); East North Central (IL, IN, MI, OH, WI); West North Central (IA, KS, MN, MO, NE, ND, SD); South Atlantic (DE, FL, GA, MD, NC, SC, VA, WV); East South Central (AL, KY, MS, TN); West South Central (AR, LA, OK, TX); Mountain (AZ, CO, ID, MT, NM, NV, UT, WY); Pacific (AK, CA, HI, OR, WA).

<sup>3</sup>Data may not add to totals shown because of independent rounding and differences between projected totals by States and by divisions.

<sup>4</sup>Includes all 50 States.

<sup>5</sup>Compared with same period of preceding year; all percentages are calculated using unrounded totals.

<sup>6</sup>Less than ½ unit.

TABLE 4  
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE<sup>1</sup>

(Thousand metric tons and thousand dollars)

State	2016					
	Quantity					Value
	1st qtr.	2d qtr.	3d qtr.	4th qtr.	1st-4th qtr. <sup>2</sup>	1st-4th qtr. <sup>2</sup>
Alabama	9,230	11,200	10,100	9,910	40,400	475,000
Alaska	(3)	(3)	(3)	(3)	1,040	13,100
Arizona	2,370	2,530	2,210	1,940	9,040	75,900
Arkansas	6,870	8,000	7,450	7,250	29,600	262,000
California	7,880	9,590	9,960	8,570	36,000	326,000
Colorado	2,370	3,280	4,620	3,270	13,500	126,000
Connecticut	704	3,070	3,170	2,450	9,400	150,000
Delaware	W	W	W	W	W	W
Florida	18,000	18,500	17,000	16,500	70,000	837,000
Georgia	12,900	15,400	14,900	12,200	55,400	770,000
Hawaii	(3)	(3)	(3)	(3)	4,460	92,400
Idaho	(3)	(3)	(3)	(3)	8,700	61,700
Illinois	5,290	15,000	17,100	13,000	50,400	554,000
Indiana	6,550	13,400	14,900	12,900	47,700	385,000
Iowa	5,020	12,000	11,900	9,440	38,400	412,000
Kansas	3,390	4,460	4,500	4,020	16,400	158,000
Kentucky	7,960	13,500	15,200	13,900	50,500	487,000
Louisiana	W	W	W	W	W	W
Maine	248	1,140	1,460	989	3,840	31,600
Maryland	3,120	5,630	6,660	5,590	21,000	237,000
Massachusetts	1,010	3,930	3,860	3,150	11,900	170,000
Michigan	2,970	10,300	11,400	7,950	32,700	249,000
Minnesota	235	2,170	2,920	1,390	6,720	88,800
Mississippi	427	640	601	529	2,200	67,000
Missouri	13,400	14,100	15,300	15,200	58,100	454,000
Montana	(3)	(3)	(3)	(3)	2,790	29,400
Nebraska	1,610	2,050	2,130	1,860	7,640	99,400
Nevada	2,150	3,660	4,410	2,510	12,700	126,000
New Hampshire	451	1,820	2,070	1,210	5,540	54,000
New Jersey	2,240	4,600	4,620	4,150	15,600	145,000
New Mexico	(3)	(3)	(3)	(3)	5,190	48,800
New York	4,630	12,200	13,900	8,840	39,500	493,000
North Carolina	12,300	15,800	15,800	13,600	57,500	951,000
North Dakota	(3)	(3)	(3)	(3)	776	5,920
Ohio	7,350	16,900	19,200	16,300	59,700	561,000
Oklahoma	9,420	9,390	9,440	7,500	35,800	329,000
Oregon	3,870	5,460	6,590	5,160	21,100	161,000
Pennsylvania	12,600	25,300	27,500	20,100	85,500	1,180,000
Rhode Island	246	593	737	786	2,360	26,500
South Carolina	6,930	7,750	7,550	6,720	29,000	349,000
South Dakota	649	2,380	2,560	1,350	6,940	52,700
Tennessee	8,950	12,300	12,300	9,310	42,900	574,000
Texas	41,000	39,900	43,200	38,900	163,000	1,690,000
Utah	1,240	3,300	2,760	2,110	9,410	69,700
Vermont	403	1,840	3,200	1,260	6,700	72,000
Virginia	9,250	12,700	13,700	12,200	47,800	810,000
Washington	3,170	3,500	4,370	3,130	14,200	218,000
West Virginia	3,690	4,800	5,730	3,970	18,200	210,000
Wisconsin	7,200	7,880	8,580	4,960	28,600	225,000
Wyoming	2,930	5,460	5,060	3,410	16,900	51,000

See footnotes at end of table.

TABLE 4—Continued  
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE<sup>1</sup>

(Thousand metric tons and thousand dollars)

State	2017									
	Quantity 1st qtr.	Percent change <sup>4</sup>	Quantity 2d qtr.	Percent change <sup>4</sup>	Quantity 3d qtr.	Percent change <sup>4</sup>	Quantity 4th qtr.	Percent change <sup>4</sup>	Quantity 1st–4th qtr. <sup>2</sup>	Value 1st–4th qtr. <sup>2</sup>
Alabama	8,960	-2.9	9,960	-11.2	10,400	3.0	10,600	6.8	39,900	483,000
Alaska	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	1,040	13,500
Arizona	2,120	-10.7	2,360	-6.9	2,690	22.0	2,310	19.1	9,470	81,900
Arkansas	6,520	-5.2	7,790	-2.5	8,030	7.8	7,660	5.6	30,000	274,000
California	6,570	-16.6	9,980	4.0	10,300	3.8	9,530	11.3	36,400	340,000
Colorado	2,810	18.4	4,270	30.5	4,940	6.9	3,840	17.5	15,900	152,000
Connecticut	662	-5.9	2,720	-11.3	3,520	10.9	2,510	2.3	9,410	154,000
Delaware	W	W	W	W	W	W	W	W	W	W
Florida	18,200	0.8	19,300	4.1	17,900	4.9	17,400	5.5	72,700	895,000
Georgia	12,900	0.0	13,600	-11.9	14,400	-3.3	13,200	8.6	54,100	775,000
Hawaii	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	4,460	95,100
Idaho	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	8,700	63,600
Illinois	5,160	-2.4	13,200	-12.1	16,900	-1.1	12,100	-7.4	47,300	536,000
Indiana	6,560	0.1	12,900	-3.7	13,600	-8.4	12,700	-1.5	45,800	381,000
Iowa	4,670	-6.9	11,800	-1.7	12,200	2.4	9,510	0.8	38,200	422,000
Kansas	2,690	-20.6	4,240	-4.8	4,320	-4.0	3,350	-16.5	14,600	145,000
Kentucky	8,320	4.5	13,300	-1.6	14,600	-4.4	12,800	-7.4	49,000	487,000
Louisiana	W	W	W	W	W	W	W	W	W	W
Maine	236	-5.1	1,030	-10.1	1,370	-6.4	969	-1.9	3,600	30,500
Maryland	3,510	12.7	6,670	18.6	6,930	4.0	6,070	8.6	23,200	269,000
Massachusetts	828	-18.0	3,600	-8.6	4,140	7.4	3,590	14.0	12,200	178,000
Michigan	2,710	-8.5	8,950	-13.4	10,200	-10.9	7,820	-1.7	29,700	233,000
Minnesota	204	-12.9	2,200	1.3	2,640	-9.6	1,300	-6.0	6,350	86,500
Mississippi	422	-1.2	561	-12.4	588	-2.2	527	-0.5	2,100	65,900
Missouri	11,700	-13.1	14,100	-0.5	14,900	-2.6	12,400	-18.8	53,000	426,000
Montana	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	2,790	30,200
Nebraska	1,600	-0.1	2,030	-1.0	2,110	-0.9	1,940	4.4	7,680	103,000
Nevada	2,860	32.7	5,380	46.9	4,910	11.4	2,640	5.6	15,800	161,000
New Hampshire	406	-9.8	1,270	-29.9	1,820	-12.1	1,240	3.0	4,740	47,500
New Jersey	2,290	2.3	4,380	-4.9	5,450	17.8	4,850	17.0	17,000	162,000
New Mexico	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	5,190	50,300
New York	3,860	-16.6	11,800	-3.4	12,900	-7.3	9,920	12.2	38,400	494,000
North Carolina	12,500	1.5	15,300	-3.1	16,200	2.7	13,900	2.1	57,900	986,000
North Dakota	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	776	6,100
Ohio	7,300	-0.8	15,200	-10.0	18,200	-5.1	15,400	-5.3	56,100	543,000
Oklahoma	7,960	-15.5	9,010	-4.0	9,230	-2.2	7,950	6.0	34,100	323,000
Oregon	3,570	-7.5	5,610	2.6	7,090	7.6	5,930	14.9	22,200	174,000
Pennsylvania	12,300	-2.1	24,800	-1.9	26,000	-5.6	20,600	2.5	83,700	1,190,000
Rhode Island	275	11.9	731	23.3	941	27.7	543	-31.0	2,490	28,800
South Carolina	7,390	6.5	7,640	-1.5	7,310	-3.2	7,110	5.9	29,500	365,000
South Dakota	490	-24.6	2,430	2.3	2,560	0.1	1,210	-10.8	6,690	52,400
Tennessee	9,040	0.9	12,000	-2.5	12,700	3.1	13,000	39.3	46,700	644,000
Texas	39,900	-2.8	42,300	6.2	40,600	-6.1	38,300	-1.5	161,000	1,720,000
Utah	1,750	40.8	2,680	-18.7	3,600	30.3	2,190	3.6	10,200	78,000
Vermont	210	-48.0	2,150	16.9	3,370	5.5	1,310	3.7	7,030	77,900
Virginia	9,860	6.6	12,900	1.5	12,900	-5.5	11,800	-3.4	47,500	828,000
Washington	2,680	-15.6	3,960	13.2	5,410	23.6	4,260	36.4	16,300	258,000
West Virginia	3,110	-15.5	4,900	2.1	6,300	10.0	5,350	34.6	19,700	234,000
Wisconsin	9,870	37.1	7,840	-0.6	8,860	3.2	6,300	26.9	32,900	266,000
Wyoming	2,660	-9.3	4,820	-11.6	4,550	-10.1	3,850	12.7	15,900	49,400

W Withheld to avoid disclosing company proprietary data.

<sup>1</sup>Quarterly totals shown are estimates based on a sample survey. Estimated quantities for prior quarters have been recalculated.

<sup>2</sup>Data may not add to totals shown because of independent rounding, and differences between projected totals by States and by divisions.

<sup>3</sup>State not included in quarterly survey.

<sup>4</sup>Compared with same period of preceding year; all percentages are calculated using unrounded totals.

TABLE 5  
CONSTRUCTION SAND AND GRAVEL SOLD OR USED BY PRODUCERS  
IN THE UNITED STATES, BY STATE<sup>1</sup>

(Thousand metric tons and thousand dollars)

State	2016					
	Quantity				Value	
	1st qtr.	2d qtr.	3d qtr.	4th qtr.	1st-4th qtr. <sup>2</sup>	1st-4th qtr. <sup>2</sup>
Alabama	(3)	(3)	(3)	(3)	10,700	79,400
Alaska	(3)	(3)	(3)	(3)	8,900	66,500
Arizona	8,050	9,570	10,300	9,360	37,300	352,000
Arkansas	1,760	2,040	2,080	1,860	7,730	71,900
California	18,100	25,200	26,700	22,700	92,600	1,100,000
Colorado	5,750	9,140	11,800	7,940	34,600	282,000
Connecticut	360	1,980	1,960	1,460	5,770	58,100
Delaware	464	637	797	679	2,580	22,800
Florida	4,660	5,130	5,160	4,610	19,600	211,000
Georgia	1,760	2,070	1,960	1,690	7,470	56,300
Hawaii	(3)	(3)	(3)	(3)	459	10,900
Idaho	2,140	3,800	4,860	3,100	13,900	87,700
Illinois	1,630	5,090	6,090	3,710	16,500	119,000
Indiana	2,150	4,280	5,170	4,010	15,600	118,000
Iowa	1,590	4,630	5,390	3,680	15,300	127,000
Kansas	1,510	2,500	2,300	1,620	7,930	51,400
Kentucky	(3)	(3)	(3)	(3)	6,760	36,000
Louisiana	3,480	3,790	3,630	3,360	14,300	170,000
Maine	195	1,460	2,710	1,940	6,290	52,100
Maryland	1,170	1,830	2,090	1,730	6,830	90,700
Massachusetts	(3)	(3)	(3)	(3)	10,200	105,000
Michigan	3,940	13,300	16,000	10,800	44,100	286,000
Minnesota	2,000	16,000	25,300	12,200	55,500	292,000
Mississippi	2,030	3,280	3,630	3,160	12,100	102,000
Missouri	2,320	2,510	2,640	2,420	9,880	71,500
Montana	1,550	3,510	4,260	2,560	11,900	95,900
Nebraska	2,500	3,530	3,630	3,090	12,700	96,200
Nevada	2,430	5,130	5,910	7,220	20,700	128,000
New Hampshire	556	1,460	1,020	854	3,890	34,400
New Jersey	1,920	3,170	2,970	2,610	10,700	83,400
New Mexico	1,730	2,350	2,340	2,040	8,460	78,800
New York	4,490	8,410	9,770	6,990	29,700	300,000
North Carolina	2,070	2,520	2,410	2,440	9,450	64,300
North Dakota	329	3,460	4,870	2,940	11,600	78,900
Ohio	5,420	9,090	11,300	8,840	34,700	303,000
Oklahoma	2,780	2,780	2,840	2,440	10,800	94,900
Oregon	2,490	3,400	4,250	3,140	13,300	123,000
Pennsylvania	1,470	3,070	3,170	2,350	10,100	114,000
Rhode Island	(3)	(3)	(3)	(3)	2,360	29,800
South Carolina	2,280	2,980	3,020	2,720	11,000	60,500
South Dakota	1,130	3,670	4,450	2,310	11,600	56,900
Tennessee	1,490	2,290	2,210	1,740	7,740	64,000
Texas	21,300	20,400	21,300	18,700	81,700	817,000
Utah	3,790	14,800	11,100	7,130	36,900	292,000
Vermont	244	1,730	2,820	1,260	6,050	46,500
Virginia	1,590	2,060	2,230	2,080	7,960	88,200
Washington	6,430	8,730	10,400	7,800	33,400	287,000
West Virginia	87	181	181	130	580	5,210
Wisconsin	(3)	(3)	(3)	(3)	27,900	177,000
Wyoming	2,140	5,160	4,150	2,440	13,900	131,000

See footnotes at end of table.



TABLE 5—Continued  
CONSTRUCTION SAND AND GRAVEL SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE<sup>1</sup>

(Thousand metric tons and thousand dollars)

State	2017									
	Quantity 1st qtr.	Percent change <sup>4</sup>	Quantity 2d qtr.	Percent change <sup>4</sup>	Quantity 3d qtr.	Percent change <sup>4</sup>	Quantity 4th qtr.	Percent change <sup>4</sup>	Quantity 1st–4th qtr. <sup>2</sup>	Value 1st–4th qtr. <sup>2</sup>
Alabama	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	10,700	81,800
Alaska	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	8,900	68,500
Arizona	8,190	1.8	9,880	3.3	10,300	0.5	10,700	14.3	39,100	381,000
Arkansas	1,750	-0.6	2,010	-1.1	2,100	1.1	2,050	10.2	7,910	75,800
California	16,300	-9.8	27,000	7.2	28,400	6.1	27,100	19.5	98,700	1,210,000
Colorado	5,460	-5.0	9,940	8.8	11,300	-3.9	9,000	13.4	35,800	300,000
Connecticut	355	-1.2	1,430	-28.1	1,780	-9.5	1,770	21.2	5,330	55,300
Delaware	537	15.9	625	-1.9	642	-19.5	670	-1.2	2,480	22,600
Florida	5,040	8.1	5,360	4.6	5,010	-2.8	5,100	10.5	20,500	228,000
Georgia	1,850	5.2	1,970	-5.0	1,810	-7.6	1,830	8.0	7,450	57,800
Hawaii	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	459	11,300
Idaho	2,200	2.9	5,960	56.7	6,160	26.7	5,610	81.1	19,900	129,000
Illinois	1,610	-1.3	4,210	-17.3	5,130	-15.7	3,760	1.4	14,700	109,000
Indiana	2,290	6.4	4,380	2.4	4,690	-9.2	4,160	3.8	15,500	121,000
Iowa	1,420	-10.9	4,730	2.1	5,190	-3.8	3,730	1.4	15,100	129,000
Kansas	1,220	-19.1	1,990	-20.3	2,090	-9.5	1,600	-1.4	6,890	46,000
Kentucky	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	6,760	37,100
Louisiana	3,060	-11.9	2,970	-21.6	3,190	-11.9	3,190	-5.0	12,400	153,000
Maine	330	68.8	1,900	30.3	1,770	-34.7	1,980	2.2	5,970	51,000
Maryland	1,220	3.6	1,900	3.8	2,080	-0.6	1,890	9.0	7,080	96,900
Massachusetts	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	10,200	108,000
Michigan	3,670	-6.8	13,800	3.6	16,700	4.2	12,000	11.1	46,200	309,000
Minnesota	1,240	-38.0	16,000	0.5	25,400	0.5	12,200	0.1	54,900	297,000
Mississippi	2,390	17.5	3,360	2.3	3,930	8.3	3,060	-3.3	12,700	110,000
Missouri	1,930	-16.9	2,300	-8.3	2,540	-3.5	2,020	-16.4	8,790	65,600
Montana	969	-37.6	3,720	5.9	4,010	-5.9	2,570	0.4	11,300	93,600
Nebraska	2,140	-14.6	3,510	-0.6	3,910	7.8	3,530	14.3	13,100	102,000
Nevada	2,990	22.8	6,300	22.9	6,890	16.5	8,090	12.1	24,300	154,000
New Hampshire	497	-10.6	1,450	-0.9	1,710	67.2	1,560	83.2	5,210	47,500
New Jersey	1,680	-12.4	3,020	-4.5	3,060	2.9	2,590	-1.0	10,400	83,400
New Mexico	2,060	19.2	2,900	23.0	2,470	5.5	2,440	19.7	9,870	94,600
New York	3,690	-17.8	7,970	-5.2	7,710	-21.1	6,490	-7.2	25,900	270,000
North Carolina	2,190	5.6	2,740	8.7	2,630	8.9	2,480	1.4	10,000	70,300
North Dakota	426	29.3	2,680	-22.5	5,670	16.3	4,570	55.5	13,300	93,500
Ohio	3,820	-29.5	8,630	-5.1	10,600	-6.4	8,230	-6.9	31,300	281,000
Oklahoma	2,470	-11.2	2,710	-2.6	2,600	-8.4	2,450	0.4	10,200	92,200
Oregon	2,770	11.1	4,340	27.7	5,470	28.7	4,650	48.4	17,200	164,000
Pennsylvania	1,510	2.8	2,650	-13.4	2,960	-6.7	2,190	-7.0	9,300	109,000
Rhode Island	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	2,360	30,700
South Carolina	2,650	16.5	2,830	-4.9	2,960	-2.0	2,860	5.3	11,300	64,100
South Dakota	1,150	1.2	4,360	18.9	5,470	22.9	2,630	13.8	13,600	68,900
Tennessee	1,430	-4.4	2,040	-10.9	2,240	1.2	2,000	14.9	7,710	65,700
Texas	20,400	-3.9	21,300	4.1	18,900	-11.2	19,600	5.3	80,300	827,000
Utah	4,280	13.0	9,170	-38.2	10,300	-7.3	7,260	1.8	31,000	253,000
Vermont	218	-10.6	1,760	1.8	2,310	-18.0	1,190	-4.9	5,490	43,400
Virginia	1,830	15.2	2,240	8.7	2,300	3.4	2,030	-2.4	8,400	95,900
Washington	5,790	-10.0	10,100	15.8	11,700	12.3	9,180	17.7	36,800	326,000
West Virginia	92	6.1	367	102.4	341	88.1	236	80.9	1,040	9,590
Wisconsin	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	27,900	183,000
Wyoming	1,500	-30.0	3,630	-29.6	4,840	16.7	2,900	18.8	12,900	125,000

<sup>1</sup>Quarterly totals shown are estimates based on a sample survey. Estimated quantities for prior quarters have been recalculated.

<sup>2</sup>Data may not add to totals shown because of independent rounding, and differences between projected totals by States and by divisions.

<sup>3</sup>State not included in quarterly survey.

<sup>4</sup>Compared with same period of preceding year; all percentages are calculated using unrounded totals.

TABLE 6  
CONSTRUCTION AGGREGATES SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE<sup>1</sup>

(Thousand metric tons and thousand dollars)

State	2016					Value 1st-4th qtr. <sup>2</sup>
	Quantity				1st-4th qtr. <sup>2</sup>	
	1st qtr.	2d qtr.	3d qtr.	4th qtr.		
Alabama	(3)	(3)	(3)	(3)	51,200	555,000
Alaska	(3)	(3)	(3)	(3)	9,940	79,600
Arizona	10,400	12,100	12,500	11,300	46,300	428,000
Arkansas	8,630	10,000	9,520	9,110	37,300	334,000
California	25,900	34,700	36,700	31,200	129,000	1,430,000
Colorado	8,120	12,400	16,400	11,200	48,200	408,000
Connecticut	1,060	5,060	5,130	3,910	15,200	208,000
Delaware	W	W	W	W	W	W
Florida	22,700	23,600	22,200	21,100	89,600	1,050,000
Georgia	14,700	17,500	16,900	13,800	62,900	826,000
Hawaii	(3)	(3)	(3)	(3)	4,920	103,000
Idaho	(3)	(3)	(3)	(3)	22,600	149,000
Illinois	6,920	20,100	23,200	16,800	66,900	674,000
Indiana	8,700	17,600	20,000	17,000	63,300	504,000
Iowa	6,610	16,600	17,300	13,100	53,700	539,000
Kansas	4,900	6,950	6,800	5,640	24,300	209,000
Kentucky	(3)	(3)	(3)	(3)	57,300	523,000
Louisiana	W	W	W	W	W	W
Maine	444	2,600	4,160	2,930	10,100	83,800
Maryland	4,290	7,460	8,760	7,320	27,800	328,000
Massachusetts	(3)	(3)	(3)	(3)	22,100	275,000
Michigan	6,910	23,700	27,400	18,800	76,800	535,000
Minnesota	2,240	18,100	28,200	13,600	62,200	380,000
Mississippi	2,460	3,920	4,230	3,690	14,300	169,000
Missouri	15,700	16,700	18,000	17,700	68,000	525,000
Montana	(3)	(3)	(3)	(3)	14,700	125,000
Nebraska	4,110	5,580	5,760	4,940	20,400	196,000
Nevada	4,590	8,800	10,300	9,720	33,400	254,000
New Hampshire	1,010	3,280	3,080	2,060	9,430	88,400
New Jersey	4,160	7,770	7,590	6,760	26,300	229,000
New Mexico	(3)	(3)	(3)	(3)	13,700	128,000
New York	9,120	20,600	23,700	15,800	69,200	793,000
North Carolina	14,400	18,300	18,200	16,100	67,000	1,020,000
North Dakota	(3)	(3)	(3)	(3)	12,400	84,900
Ohio	12,800	26,000	30,600	25,100	94,400	864,000
Oklahoma	12,200	12,200	12,300	9,940	46,600	424,000
Oregon	6,360	8,860	10,800	8,300	34,400	284,000
Pennsylvania	14,100	28,400	30,700	22,400	95,500	1,300,000
Rhode Island	(3)	(3)	(3)	(3)	4,730	56,400
South Carolina	9,210	10,700	10,600	9,440	40,000	409,000
South Dakota	1,780	6,050	7,010	3,660	18,500	110,000
Tennessee	10,400	14,600	14,600	11,100	50,600	638,000
Texas	62,300	60,300	64,500	57,600	245,000	2,510,000
Utah	5,030	18,100	13,900	9,240	46,300	362,000
Vermont	647	3,570	6,020	2,510	12,700	119,000
Virginia	10,800	14,700	15,900	14,300	55,800	898,000
Washington	9,610	12,200	14,800	10,900	47,600	505,000
West Virginia	3,770	4,980	5,910	4,100	18,800	215,000
Wisconsin	(3)	(3)	(3)	(3)	56,600	402,000
Wyoming	5,070	10,600	9,210	5,860	30,700	182,000

See footnotes at end of table.

TABLE 6—Continued  
CONSTRUCTION AGGREGATES SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE<sup>1</sup>

(Thousand metric tons and thousand dollars)

State	2017									
	Quantity 1st qtr.	Percent change <sup>4</sup>	Quantity 2d qtr.	Percent change <sup>4</sup>	Quantity 3d qtr.	Percent change <sup>4</sup>	Quantity 4th qtr.	Percent change <sup>4</sup>	Quantity 1st–4th qtr. <sup>2</sup>	Value 1st–4th qtr. <sup>2</sup>
Alabama	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	51,200	571,000
Alaska	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	9,940	82,000
Arizona	10,300	-1.0	12,200	1.1	13,000	4.3	13,000	15.1	48,600	463,000
Arkansas	8,270	-4.2	9,810	-2.3	10,100	6.4	9,700	6.5	37,900	350,000
California	22,900	-11.9	37,000	6.4	38,700	5.4	36,600	17.2	135,000	1,540,000
Colorado	8,270	1.8	14,200	14.5	16,300	-0.9	12,800	14.6	51,600	450,000
Connecticut	1,020	-4.3	4,150	-17.9	5,290	3.1	4,280	9.3	14,700	208,000
Delaware	W	W	W	W	W	W	W	W	W	W
Florida	23,200	2.3	24,600	4.2	22,900	3.1	22,500	6.6	93,200	1,120,000
Georgia	14,800	0.7	15,500	-11.0	16,200	-3.8	15,000	8.5	61,600	833,000
Hawaii	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	4,920	106,000
Idaho	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	22,600	154,000
Illinois	6,760	-2.2	17,400	-13.4	22,000	-5.0	15,800	-5.4	62,000	643,000
Indiana	8,840	1.7	17,200	-2.2	18,300	-8.6	16,900	-0.3	61,300	502,000
Iowa	6,090	-7.9	16,500	-0.6	17,400	0.5	13,200	0.9	53,300	551,000
Kansas	3,910	-20.2	6,230	-10.4	6,410	-5.8	4,950	-12.2	21,500	191,000
Kentucky	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	57,300	539,000
Louisiana	W	W	W	W	W	W	W	W	W	W
Maine	565	27.4	2,930	12.5	3,130	-24.7	2,950	0.8	9,570	81,500
Maryland	4,730	10.2	8,570	14.9	9,010	2.9	7,960	8.7	30,300	367,000
Massachusetts	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	22,100	283,000
Michigan	6,390	-7.6	22,800	-3.8	26,900	-2.1	19,800	5.7	75,800	545,000
Minnesota	1,440	-35.4	18,200	0.6	28,100	-0.6	13,500	-0.5	61,300	386,000
Mississippi	2,810	14.3	3,920	-0.1	4,520	6.8	3,580	-2.9	14,800	180,000
Missouri	13,600	-13.7	16,400	-1.7	17,500	-2.7	14,400	-18.5	61,800	492,000
Montana	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	14,700	129,000
Nebraska	3,740	-9.0	5,540	-0.8	6,020	4.6	5,460	10.6	20,800	205,000
Nevada	5,840	27.4	11,700	32.9	11,800	14.3	10,700	10.4	40,100	313,000
New Hampshire	903	-10.2	2,720	-16.9	3,520	14.1	2,810	36.2	9,950	96,100
New Jersey	3,980	-4.5	7,400	-4.8	8,500	12.0	7,440	10.0	27,300	245,000
New Mexico	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	13,700	131,000
New York	7,560	-17.2	19,700	-4.1	20,600	-13.0	16,400	3.7	64,300	759,000
North Carolina	14,700	2.1	18,000	-1.5	18,800	3.5	16,400	2.0	68,000	1,060,000
North Dakota	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	12,400	87,400
Ohio	11,100	-13.0	23,800	-8.3	28,900	-5.6	23,600	-5.8	87,400	824,000
Oklahoma	10,400	-14.5	11,700	-3.7	11,800	-3.6	10,400	4.6	44,400	416,000
Oregon	6,340	-0.2	9,950	12.2	12,600	15.9	10,600	27.5	39,400	335,000
Pennsylvania	13,900	-1.6	27,500	-3.1	28,900	-5.7	22,800	1.5	93,000	1,300,000
Rhode Island	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	4,730	58,100
South Carolina	10,000	9.0	10,500	-2.4	10,300	-2.8	9,980	5.7	40,800	430,000
South Dakota	1,640	-8.2	6,800	12.3	8,030	14.6	3,830	4.7	20,300	124,000
Tennessee	10,500	0.2	14,000	-3.8	15,000	2.8	15,000	35.5	54,400	706,000
Texas	60,300	-3.2	63,600	5.5	59,500	-7.8	58,000	0.7	241,000	2,550,000
Utah	6,030	19.9	11,800	-34.6	13,900	0.2	9,450	2.2	41,200	332,000
Vermont	427	-33.9	3,910	9.6	5,680	-5.5	2,500	-0.6	12,500	120,000
Virginia	11,700	7.9	15,100	2.5	15,300	-4.3	13,800	-3.2	55,900	926,000
Washington	8,470	-11.8	14,100	15.0	17,100	15.6	13,400	23.0	53,100	580,000
West Virginia	3,210	-15.0	5,270	5.8	6,640	12.4	5,580	36.1	20,700	245,000
Wisconsin	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	56,600	414,000
Wyoming	4,160	-18.0	8,460	-20.3	9,390	2.0	6,750	15.2	28,800	176,000

W Withheld to avoid disclosing company proprietary data.

<sup>1</sup>Quarterly totals shown are estimates based on a sample survey. Estimated quantities for prior quarters have been recalculated.

<sup>2</sup>Data may not add to totals shown because of independent rounding, and differences between projected totals by States and by divisions.

<sup>3</sup>State not included in quarterly survey.

<sup>4</sup>Compared with same period of preceding year; all percentages are calculated using unrounded totals.