

Mineral Industry Surveys

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CRUSHED STONE AND SAND AND GRAVEL IN THE FOURTH QUARTER 2018

An estimated 359 million metric tons (Mt) of crushed stone was produced and shipped for consumption in the fourth quarter of 2018, an increase of 5% compared with that of the same period of 2017. The estimated annual output of crushed stone produced for consumption in 2018 was 1.41 billion metric tons (Gt), an increase of 4% compared with that of 2017.

The estimated output of construction sand and gravel produced and shipped for consumption in the fourth quarter of 2018 was 241 Mt, an increase of 4% compared with that of the same period of 2017. The estimated annual output of construction sand and gravel produced for consumption in 2018 was 961 Mt, an increase of 7% compared with that of 2017.

An estimated 599 Mt of total construction aggregates was produced and shipped for consumption in the fourth quarter of 2018, an increase of 5% compared with that of the same period of 2017 (fig.1). The estimated annual output of construction aggregates produced for consumption in 2018 was 2.37 Gt, an increase of 5% compared with that of 2017 (fig.2).

The above estimates are based on information reported to the U.S. Geological Survey (USGS) quarterly sample survey of construction aggregates producers in the United States.

Shipments of portland and blended cement increased by 2% in the fourth quarter of 2018 compared with the fourth quarter of 2017. Annual consumption increased by 3% in 2018, compared with that of 2017. This information is obtained from the USGS monthly survey of U.S. cement producers.

This sample survey generates production-for-consumption estimates by quarters, based on information reported voluntarily by a limited number of producing companies. Often, a few companies may report amounts sold in the current quarter that vary greatly from the amounts 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 2018 increased in seven of the nine geographic divisions compared with that sold or used in the fourth quarter of 2017. Production for consumption increased in 25 of the 45 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 2018 increased from fourth quarter 2017 levels in eight of the nine geographic divisions. Production for consumption increased in 21 of the 42 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 2018 increased in seven of the nine geographic divisions compared with that sold or used in the fourth quarter of 2017. In the fourth quarter, production for consumption increased in 17 of the 40 States for which production estimates of construction aggregates were made. The five leading States in the fourth quarter of 2018 were, in descending order of production, Texas, California, Pennsylvania, Ohio, and Florida. Their combined total production for consumption was 182 Mt (30% of the U.S. total).

The estimated total annual production for consumption of construction aggregates in 2018 increased, compared with that in 2017, in 34 of the 50 States for which estimates were made. The five leading States were, in descending order of total annual output for 2018, Texas, California, Florida, Pennsylvania, and Ohio. Their combined total annual output was 716 Mt, an increase of 7% when compared with that of 2017.

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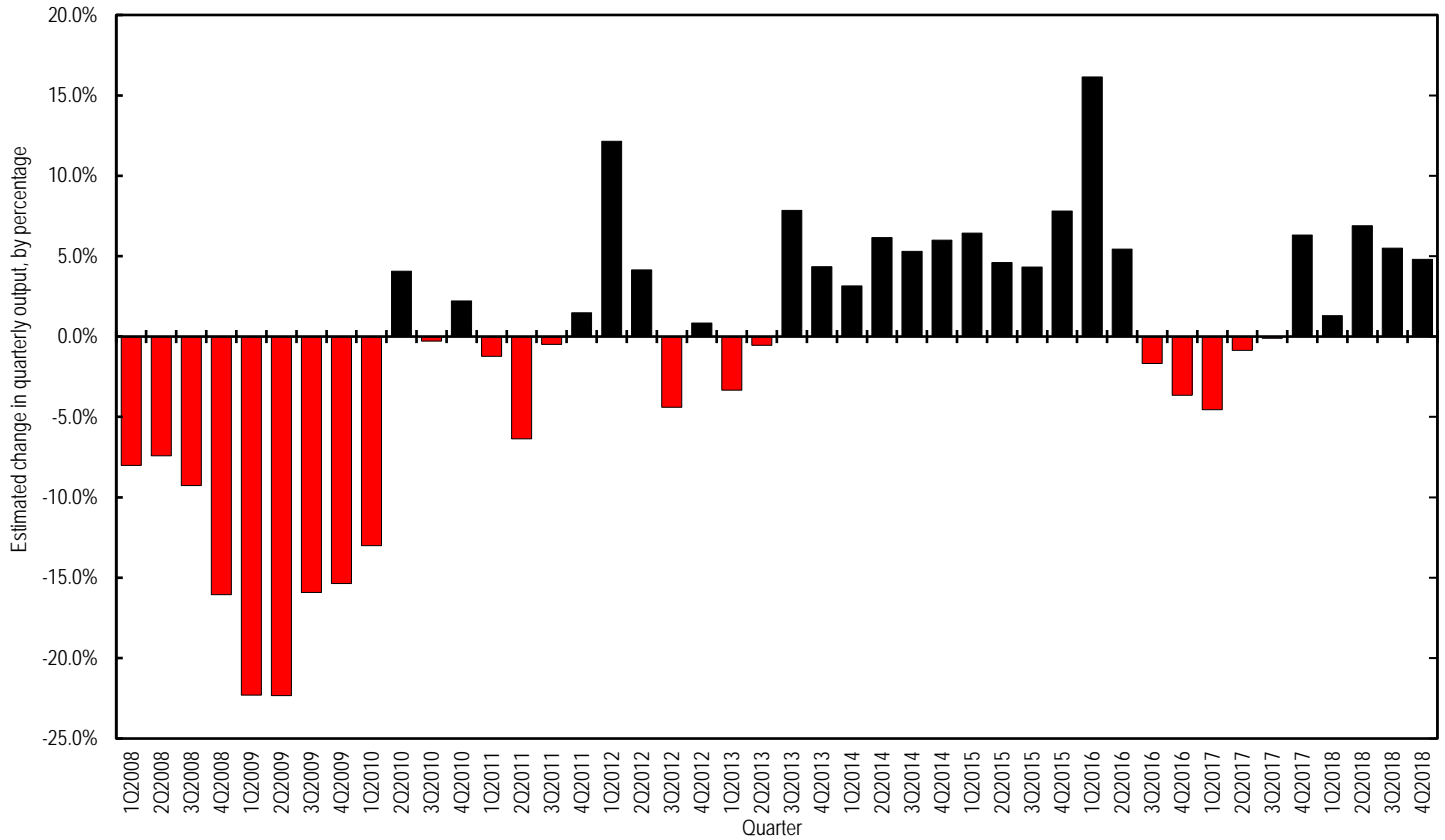


Figure 1. Percentage change in the amount of construction aggregates produced and shipped for consumption in the United States each quarter from 2008 through 2018. All comparisons are versus the same quarter of the prior year.

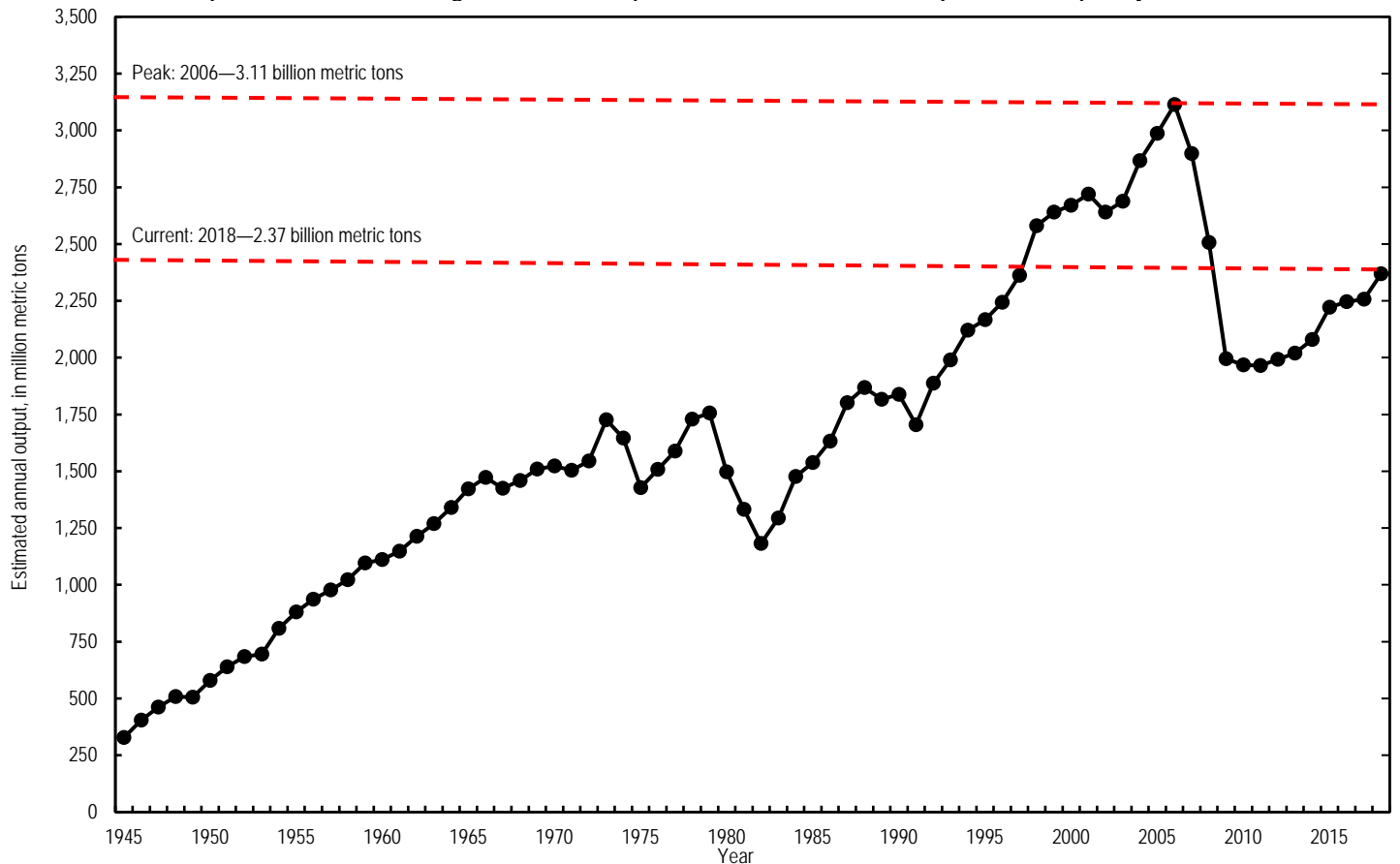


Figure 2. Estimated annual output of construction aggregates produced and shipped for consumption in the United States from 1945 through 2018.

TABLE 1
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY DIVISION¹

(Thousand metric tons and thousand dollars)

Region/Division ²	2017					Value 1st-4th qtr. ³
	Quantity				1st-4th qtr. ³	
	1st qtr.	2d qtr.	3d qtr.	4th qtr.		
Northeast:						
New England	2,580	11,500	14,900	10,100	39,000	495,000
Middle Atlantic	18,800	41,400	44,900	35,900	141,000	1,790,000
Midwest:						
East North Central	28,500	55,500	64,800	52,100	201,000	1,890,000
West North Central	23,700	39,900	42,100	32,400	139,000	1,330,000
South:						
South Atlantic	68,400	81,300	82,800	77,300	310,000	4,510,000
East South Central	25,800	34,500	37,700	34,800	133,000	1,560,000
West South Central	55,400	61,200	59,900	56,100	233,000	2,430,000
West:						
Mountain	12,900	16,200	19,400	14,400	71,100	605,000
Pacific	14,000	21,200	24,700	22,200	82,100	827,000
Total ⁴	257,000	366,000	390,000	341,000	1,350,000	15,600,000

See footnotes at end of table.

TABLE 1—Continued
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY DIVISION¹

(Thousand metric tons and thousand dollars)

Region/Division ²	2018									
	Quantity 1st qtr.	Percent change ⁵	Quantity 2d qtr.	Percent change ⁵	Quantity 3d qtr.	Percent change ⁵	Quantity 4th qtr.	Percent change ⁵	Quantity 1st–4th qtr. ³	Value 1st–4th qtr. ³
Northeast:										
New England	2,620	1.8	12,500	9.3	14,200	-4.6	10,500	3.9	39,800	522,000
Middle Atlantic	17,600	-6.4	43,300	4.6	47,400	5.3	42,700	15.8	151,000	1,980,000
Midwest:										
East North Central	27,800	-2.5	57,700	4.0	66,100	2.0	56,300	7.4	208,000	2,030,000
West North Central	18,300	-23.0	38,800	-2.7	41,800	-0.6	29,100	-11.3	129,000	1,290,000
South:										
South Atlantic	65,500	-4.2	88,600	9.0	88,100	6.0	79,900	3.3	322,000	4,800,000
East South Central	24,900	-3.3	38,300	11.1	39,300	4.0	37,000	6.1	140,000	1,690,000
West South Central	55,200	-0.4	65,500	7.1	60,000	0.2	58,500	4.1	239,000	2,580,000
West:										
Mountain	14,100	8.8	17,100	5.3	18,100	-7.5	13,800	-4.1	71,400	625,000
Pacific	18,500	31.7	23,900	12.9	26,600	7.3	23,700	6.6	92,800	1,000,000
Total ⁴	252,000	-2.1	392,000	7.1	405,000	3.7	359,000	5.1	1,410,000	16,700,000

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

²Sales 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).

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

⁴Includes all 50 States.

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

TABLE 2
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE¹

(Thousand metric tons and thousand dollars)

State	2017					
	Quantity					Value
	1st qtr.	2d qtr.	3d qtr.	4th qtr.	1st-4th qtr. ²	1st-4th qtr. ²
Alabama	8,140	8,910	9,640	9,210	35,900	412,000
Alaska	(3)	(3)	(3)	(3)	823	17,300
Arizona	2,390	2,870	3,210	2,580	11,000	110,000
Arkansas	6,560	7,840	8,100	7,720	30,200	274,000
California	7,640	11,600	11,800	11,100	42,100	386,000
Colorado	2,870	4,380	5,050	3,920	16,200	160,000
Connecticut	696	2,900	3,690	2,620	9,910	159,000
Delaware	W	W	W	W	W	W
Florida	18,300	19,400	18,600	19,400	75,800	993,000
Georgia	12,600	13,200	14,000	12,800	52,700	786,000
Hawaii	(3)	(3)	(3)	(3)	5,710	125,000
Idaho	(3)	(3)	(3)	(3)	5,120	36,800
Illinois	5,350	13,600	17,500	12,500	49,000	542,000
Indiana	5,630	13,200	13,700	12,700	45,200	385,000
Iowa	4,580	11,600	12,000	9,340	37,500	414,000
Kansas	2,840	4,480	4,560	3,530	15,400	145,000
Kentucky	7,960	12,900	14,300	12,500	47,600	465,000
Louisiana	W	W	W	W	W	W
Maine	259	1,120	1,490	1,060	3,930	32,400
Maryland	3,700	7,020	7,290	6,390	24,400	293,000
Massachusetts	832	3,840	4,510	3,640	12,800	175,000
Michigan	2,420	7,470	8,570	6,660	25,100	185,000
Minnesota	228	2,460	2,950	1,450	7,090	91,900
Mississippi	424	555	580	514	2,070	63,000
Missouri	14,000	16,900	17,900	14,900	63,700	517,000
Montana	(3)	(3)	(3)	(3)	3,070	29,100
Nebraska	1,610	2,040	2,120	1,950	7,710	102,000
Nevada	3,310	2,640	3,960	2,460	12,400	108,000
New Hampshire	370	1,310	1,890	1,270	4,840	48,700
New Jersey	2,450	4,600	5,800	5,150	18,000	152,000
New Mexico	1,380	1,290	1,360	1,190	5,220	49,600
New York	3,740	11,500	12,600	9,750	37,500	473,000
North Carolina	12,600	15,400	16,300	14,000	58,200	1,000,000
North Dakota	(3)	(3)	(3)	(3)	799	7,740
Ohio	7,400	15,200	18,100	15,300	56,000	567,000
Oklahoma	8,220	9,300	9,460	8,210	35,200	329,000
Oregon	3,520	5,510	6,930	5,810	21,800	164,000
Pennsylvania	12,600	25,300	26,500	21,000	85,500	1,170,000
Rhode Island	265	704	906	523	2,400	26,600
South Carolina	7,210	7,450	7,130	6,940	28,700	357,000
South Dakota	483	2,410	2,530	1,190	6,610	50,900
Tennessee	9,230	12,100	13,300	12,600	47,200	616,000
Texas	39,800	43,300	41,700	39,400	164,000	1,750,000
Utah	1,410	2,170	3,170	1,970	8,720	66,500
Vermont	153	1,590	2,370	939	5,050	53,700
Virginia	11,200	14,700	14,700	13,400	54,000	888,000
Washington	2,880	4,100	5,920	5,290	18,200	277,000
West Virginia	2,660	4,000	4,670	4,130	15,500	178,000
Wisconsin	7,680	6,090	6,890	4,900	25,600	214,000
Wyoming	1,580	2,860	2,660	2,280	9,380	44,600
Total ⁴	257,000	366,000	390,000	341,000	1,350,000	15,600,000

See footnotes at end of table.

TABLE 2—Continued
CRUSHED STONE SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE¹

(Thousand metric tons and thousand dollars)

State	2018									
	Quantity 1st qtr.	Percent change ⁵	Quantity 2d qtr.	Percent change ⁵	Quantity 3d qtr.	Percent change ⁵	Quantity 4th qtr.	Percent change ⁵	Quantity 1st–4th qtr. ²	Value 1st–4th qtr. ²
Alabama	8,330	2.3	10,400	16.9	10,600	10.4	9,770	6.0	39,200	462,000
Alaska	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	839	18,200
Arizona	3,780	58.3	3,400	18.5	3,700	15.2	4,160	61.3	15,000	155,000
Arkansas	5,760	-12.2	7,360	-6.1	7,070	-12.7	6,530	-15.4	26,700	250,000
California	8,890	16.5	10,600	-8.2	11,900	0.8	11,300	1.9	42,700	403,000
Colorado	2,700	-5.8	3,980	-9.0	4,060	-19.6	3,150	-19.8	13,900	141,000
Connecticut	772	10.8	2,770	-4.6	3,330	-9.8	2,730	4.1	9,590	159,000
Delaware	W	W	W	W	W	W	W	W	W	W
Florida	19,500	6.4	20,300	4.6	19,600	5.4	18,900	-2.6	78,400	1,060,000
Georgia	11,100	-11.6	14,900	12.6	15,600	11.0	13,000	0.9	54,500	838,000
Hawaii	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	5,820	131,000
Idaho	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	5,220	38,700
Illinois	4,730	-11.6	14,100	3.0	18,400	5.3	16,000	27.8	53,200	606,000
Indiana	6,530	15.9	13,300	1.2	14,600	6.4	13,900	9.8	48,300	424,000
Iowa	3,750	-18.2	11,500	-0.4	12,900	7.4	9,090	-2.6	37,200	423,000
Kansas	2,680	-5.9	4,570	2.1	3,350	-26.6	3,180	-10.1	13,800	134,000
Kentucky	7,100	-10.8	13,100	1.3	13,900	-2.2	13,900	11.4	48,100	483,000
Louisiana	W	W	W	W	W	W	W	W	W	W
Maine	240	-7.2	1,220	8.5	1,490	-0.2	956	-9.9	3,900	33,100
Maryland	3,610	-2.3	7,350	4.7	7,480	2.5	6,880	7.8	25,300	313,000
Massachusetts	859	3.3	4,850	26.6	4,720	4.8	3,860	5.9	14,300	200,000
Michigan	2,620	8.2	7,140	-4.5	8,620	0.6	5,620	-15.6	24,000	182,000
Minnesota	138	-39.6	2,250	-8.7	3,920	32.8	1,860	28.4	8,170	109,000
Mississippi	371	-12.6	657	18.3	583	0.6	511	-0.5	2,120	66,400
Missouri	10,000	-28.4	16,700	-1.6	17,100	-4.6	12,200	-18.2	55,900	467,000
Montana	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	3,130	30,600
Nebraska	1,390	-13.8	2,080	1.9	2,240	5.8	1,770	-9.1	7,470	102,000
Nevada	2,600	-21.6	2,810	6.7	2,880	-27.2	1,430	-41.8	9,730	87,800
New Hampshire	375	1.3	1,670	27.2	2,110	11.5	1,570	23.8	5,720	59,400
New Jersey	2,470	0.9	5,220	13.5	5,590	-3.5	4,850	-5.8	18,100	158,000
New Mexico	1,360	-2.0	1,220	-5.3	1,350	-1.0	1,160	-2.4	5,080	49,700
New York	4,080	9.0	12,100	5.5	14,200	12.9	12,400	27.0	42,700	555,000
North Carolina	11,800	-6.7	17,600	14.2	16,500	1.1	14,400	2.8	60,200	1,060,000
North Dakota	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	815	8,130
Ohio	7,160	-3.4	16,800	11.0	19,300	6.6	16,900	10.3	60,200	627,000
Oklahoma	8,210	-0.1	9,890	6.3	9,290	-1.8	9,920	20.8	37,300	359,000
Oregon	4,490	27.7	6,110	10.9	7,010	1.1	5,670	-2.4	23,300	180,000
Pennsylvania	11,000	-12.4	26,000	2.5	27,700	4.2	25,500	21.1	90,100	1,270,000
Rhode Island	241	-8.9	827	17.4	798	-11.9	591	13.0	2,460	28,100
South Carolina	6,370	-11.6	8,120	9.0	7,680	7.6	6,590	-5.1	28,800	368,000
South Dakota	302	-37.6	1,710	-28.9	2,360	-6.5	1,000	-16.0	5,380	42,600
Tennessee	9,120	-1.3	14,200	16.8	14,100	6.7	12,800	2.1	50,300	675,000
Texas	40,600	2.0	47,600	9.9	42,900	3.0	41,300	4.7	172,000	1,900,000
Utah	1,790	27.1	2,930	34.9	2,820	-10.9	1,930	-1.9	9,480	74,500
Vermont	134	-12.4	1,200	-24.6	1,750	-26.1	765	-18.5	3,850	42,100
Virginia	9,720	-13.4	15,000	2.4	14,300	-2.7	13,400	0.4	52,500	889,000
Washington	5,100	76.7	7,180	75.2	7,690	29.9	6,800	28.5	26,800	420,000
West Virginia	3,360	26.3	5,160	28.9	6,820	46.0	6,560	58.8	21,900	260,000
Wisconsin	6,750	-12.1	6,410	5.1	5,180	-24.8	3,810	-22.2	22,100	191,000
Wyoming	1,860	17.1	2,720	-4.9	3,250	21.9	2,010	-11.9	9,820	48,100
Total ⁴	252,000	-2.1	392,000	7.1	405,000	3.7	359,000	5.1	1,410,000	16,700,000

W Withheld to avoid disclosing company proprietary data.

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

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

³State not included in quarterly survey.

⁴Includes all 50 States.

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

TABLE 3
CONSTRUCTION SAND AND GRAVEL SOLD OR USED BY PRODUCERS IN
THE UNITED STATES, BY DIVISION¹

(Thousand metric tons and thousand dollars)

Region/Division ²	2017					Value 1st-4th qtr. ³
	Quantity				1st-4th qtr. ³	
	1st qtr.	2d qtr.	3d qtr.	4th qtr.		
Northeast:						
New England	1,690	8,230	9,720	7,960	39,600	357,000
Middle Atlantic	7,120	14,100	14,000	11,500	46,700	474,000
Midwest:						
East North Central	11,400	31,200	37,300	28,400	135,000	968,000
West North Central	9,540	34,000	46,500	28,800	119,000	738,000
South:						
South Atlantic	14,000	16,300	16,000	15,800	63,100	599,000
East South Central	4,870	7,160	8,100	6,700	38,300	272,000
West South Central	28,700	30,400	28,400	29,000	117,000	1,160,000
West:						
Mountain	28,200	50,700	54,100	44,800	178,000	1,440,000
Pacific	25,300	43,200	46,100	42,100	157,000	1,700,000
Total ⁴	153,000	250,000	269,000	230,000	902,000	7,790,000

See footnotes at end of table.

TABLE 3—Continued
CONSTRUCTION SAND AND GRAVEL SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY DIVISION¹

(Thousand metric tons and thousand dollars)

Region/Division ²	2018									
	Quantity 1st qtr.	Percent change ⁵	Quantity 2d qtr.	Percent change ⁵	Quantity 3d qtr.	Percent change ⁵	Quantity 4th qtr.	Percent change ⁵	Quantity 1st–4th qtr. ³	Value 1st–4th qtr. ³
Northeast:										
New England	2,170	28.9	8,170	-0.8	11,700	16.6	7,380	-7.9	41,600	386,000
Middle Atlantic	6,320	-11.2	13,000	-7.6	14,300	2.2	12,600	8.6	46,300	487,000
Midwest:										
East North Central	11,000	-3.5	33,700	8.2	40,100	6.9	29,100	2.3	142,000	1,040,000
West North Central	8,170	-14.3	31,300	-8.0	49,500	6.1	29,700	3.1	119,000	757,000
South:										
South Atlantic	14,600	4.3	18,500	13.6	18,000	11.0	16,500	4.4	68,600	670,000
East South Central	4,380	-10.0	8,270	15.6	8,770	7.7	6,970	3.9	40,100	291,000
West South Central	30,000	4.4	34,500	13.5	32,600	12.9	31,600	8.0	129,000	1,310,000
West:										
Mountain	32,700	16.0	55,700	9.8	58,100	6.9	45,700	1.9	192,000	1,620,000
Pacific	32,700	29.2	46,700	8.1	51,500	10.4	45,300	7.0	176,000	1,950,000
Total ⁴	164,000	7.2	266,000	6.6	291,000	8.1	241,000	4.4	961,000	8,600,000

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

²Sales 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).

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

⁴Includes all 50 States.

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

TABLE 4
CONSTRUCTION SAND AND GRAVEL SOLD OR USED BY PRODUCERS
IN THE UNITED STATES, BY STATE¹

(Thousand metric tons and thousand dollars)

State	2017					
	Quantity				Value	
	1st qtr.	2d qtr.	3d qtr.	4th qtr.	1st-4th qtr. ²	1st-4th qtr. ²
Alabama	(3)	(3)	(3)	(3)	11,500	79,400
Alaska	(3)	(3)	(3)	(3)	8,660	76,400
Arizona	8,910	11,500	10,500	11,500	42,300	400,000
Arkansas	1,700	1,940	2,030	2,020	7,680	70,400
California	16,600	28,400	29,300	27,400	102,000	1,230,000
Colorado	5,550	10,100	11,400	9,010	36,100	301,000
Connecticut	316	1,370	1,720	1,510	4,920	49,200
Delaware	616	671	685	719	2,690	23,200
Florida	4,870	5,240	4,840	5,070	20,000	221,000
Georgia	1,500	1,660	1,510	1,670	6,340	45,100
Hawaii	(3)	(3)	(3)	(3)	357	7,950
Idaho	2,010	7,140	6,110	6,060	21,300	127,000
Illinois	2,010	5,250	6,390	4,690	18,300	128,000
Indiana	2,410	4,940	5,340	4,660	17,400	136,000
Iowa	1,390	4,590	5,020	3,640	14,600	119,000
Kansas	1,550	2,540	2,660	2,040	8,790	53,600
Kentucky	1,460	2,300	2,510	2,270	8,530	41,500
Louisiana	3,680	3,620	3,880	3,830	15,000	178,000
Maine	476	2,720	2,550	2,830	8,580	72,700
Maryland	1,320	2,040	2,250	2,040	7,650	99,200
Massachusetts	(3)	(3)	(3)	(3)	9,830	92,300
Michigan	3,520	12,900	15,600	11,300	43,300	269,000
Minnesota	1,090	14,100	21,100	9,970	46,200	231,000
Mississippi	2,040	2,870	3,360	2,590	10,900	92,200
Missouri	1,900	2,420	2,620	2,200	9,140	67,300
Montana	927	3,570	3,860	2,490	10,800	89,400
Nebraska	2,130	3,490	3,880	3,500	13,000	99,600
Nevada	3,350	5,100	7,360	4,710	20,500	131,000
New Hampshire	691	2,560	3,420	2,550	9,220	79,000
New Jersey	1,990	3,550	3,560	3,000	12,100	103,000
New Mexico	2,500	3,100	2,790	2,700	11,100	102,000
New York	3,810	8,220	7,890	6,650	26,600	283,000
North Carolina	1,880	2,360	2,260	2,130	8,630	57,800
North Dakota	477	3,010	6,360	5,130	15,000	107,000
Ohio	3,490	8,110	10,000	7,800	29,400	247,000
Oklahoma	2,320	2,540	2,430	2,300	9,580	81,800
Oregon	2,610	4,160	5,080	4,310	16,200	149,000
Pennsylvania	1,310	2,290	2,560	1,890	8,060	88,100
Rhode Island	(3)	(3)	(3)	(3)	2,140	27,700
South Carolina	2,110	2,220	2,340	2,230	8,900	52,600
South Dakota	1,000	3,890	4,820	2,310	12,000	60,700
Tennessee	1,360	1,990	2,230	1,840	7,410	58,900
Texas	21,000	22,300	20,100	20,900	84,300	828,000
Utah	3,910	7,700	8,600	6,270	26,500	204,000
Vermont	202	1,580	2,040	1,060	4,880	36,700
Virginia	1,700	2,100	2,150	1,900	7,840	91,500
Washington	6,150	10,600	11,800	10,500	39,000	322,000
West Virginia	(3)	(3)	(3)	(3)	995	8,700
Wisconsin	(3)	(3)	(3)	(3)	27,100	189,000
Wyoming	1,050	2,580	3,460	2,060	9,140	87,500
Total ⁴	153,000	250,000	269,000	230,000	902,000	7,790,000

See footnotes at end of table.

TABLE 4—Continued
CONSTRUCTION SAND AND GRAVEL SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE¹

(Thousand metric tons and thousand dollars)

State	2018									
	Quantity 1st qtr.	Percent change ⁵	Quantity 2d qtr.	Percent change ⁵	Quantity 3d qtr.	Percent change ⁵	Quantity 4th qtr.	Percent change ⁵	Quantity 1st–4th qtr. ²	Value 1st–4th qtr. ²
Alabama	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	11,700	83,500
Alaska	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	8,840	80,300
Arizona	12,200	37.3	14,600	27.1	14,900	42.7	15,000	30.2	56,700	551,000
Arkansas	1,450	-15.2	1,950	0.9	1,840	-8.9	1,660	-17.8	6,900	65,100
California	21,400	29.1	29,100	2.5	32,200	10.1	27,700	1.1	110,000	1,380,000
Colorado	5,960	7.3	9,770	-3.0	9,930	-13.2	7,490	-16.9	33,100	284,000
Connecticut	469	48.6	1,150	-16.6	1,420	-17.1	1,090	-27.9	4,130	42,600
Delaware	610	-1.1	991	47.7	928	35.6	945	31.4	3,470	30,900
Florida	5,820	19.4	6,440	22.8	6,050	25.1	5,260	3.7	23,600	267,000
Georgia	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	5,610	41,100
Hawaii	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	364	8,350
Idaho	2,340	16.1	7,920	11.0	8,110	32.8	6,700	10.5	25,100	154,000
Illinois	1,500	-25.4	5,530	5.3	6,660	4.2	4,940	5.3	18,600	134,000
Indiana	2,300	-4.6	5,040	2.0	5,990	12.2	5,400	15.8	18,700	151,000
Iowa	1,170	-15.7	4,110	-10.4	5,430	8.2	3,310	-9.0	14,000	118,000
Kansas	1,520	-2.3	3,130	23.3	2,670	0.6	2,160	5.7	9,470	59,500
Kentucky	1,390	-5.1	2,670	16.0	2,900	15.9	2,660	17.1	9,620	48,100
Louisiana	3,290	-10.6	3,580	-1.2	3,180	-18.1	3,090	-19.1	13,100	160,000
Maine	595	25.0	2,890	6.2	4,060	59.4	2,650	-6.5	10,200	88,900
Maryland	1,270	-4.2	1,940	-4.8	2,260	0.5	2,530	23.8	8,000	107,000
Massachusetts	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	10,000	96,900
Michigan	3,900	10.8	14,200	9.9	17,200	10.4	10,300	-8.4	45,600	292,000
Minnesota	1,020	-6.3	11,000	-22.0	23,700	12.1	13,700	37.8	49,400	254,000
Mississippi	1,780	-13.0	3,160	9.9	3,410	1.4	2,460	-5.0	10,800	94,400
Missouri	1,480	-22.0	2,440	0.7	2,660	1.6	2,060	-6.3	8,640	65,600
Montana	737	-20.5	3,760	5.4	4,740	22.8	2,830	13.8	12,100	102,000
Nebraska	1,980	-7.0	3,680	5.6	4,090	5.3	3,500	-0.1	13,200	105,000
Nevada	3,520	4.9	5,870	15.0	6,160	-16.3	3,670	-22.1	19,200	127,000
New Hampshire	922	33.3	3,020	18.0	4,270	25.0	2,870	12.4	11,100	97,800
New Jersey	1,650	-17.3	2,930	-17.5	3,020	-15.1	2,730	-8.9	10,300	90,600
New Mexico	2,330	-6.7	2,940	-5.1	2,840	2.0	1,910	-29.3	10,000	95,300
New York	3,600	-5.6	7,750	-5.8	8,560	8.5	7,530	13.2	27,400	301,000
North Carolina	1,930	2.3	2,810	19.2	2,890	27.7	2,410	13.0	10,000	69,200
North Dakota	426	-10.8	4,370	45.2	6,610	4.1	3,000	-41.4	14,400	106,000
Ohio	3,340	-4.4	9,020	11.2	10,200	2.2	8,440	8.3	31,000	269,000
Oklahoma	2,190	-5.8	2,640	4.1	2,440	0.7	2,270	-1.3	9,540	83,900
Oregon	3,150	20.4	4,090	-1.6	5,250	3.5	4,110	-4.5	16,600	158,000
Pennsylvania	1,070	-18.4	2,320	1.2	2,750	7.4	2,370	25.4	8,520	95,900
Rhode Island	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	2,180	29,100
South Carolina	2,200	4.0	2,720	23.0	2,580	10.2	2,280	1.9	9,780	59,500
South Dakota	579	-42.3	2,590	-33.4	4,360	-9.6	1,950	-15.7	9,490	49,200
Tennessee	1,210	-10.9	2,450	23.3	2,460	10.2	1,850	0.7	7,970	65,200
Texas	23,100	9.8	26,300	18.0	25,100	25.3	24,500	17.4	99,100	1,000,000
Utah	4,490	14.8	8,230	6.9	7,820	-9.0	6,040	-3.6	26,600	211,000
Vermont	186	-7.8	1,110	-29.8	1,900	-7.0	773	-27.3	3,970	30,600
Virginia	1,430	-16.0	2,090	-0.3	1,850	-14.1	1,800	-5.1	7,170	86,100
Washington	8,190	33.3	13,400	26.9	14,000	18.8	13,500	29.5	49,200	419,000
West Virginia	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	1,020	9,140
Wisconsin	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	27,600	198,000
Wyoming	1,130	7.9	2,660	3.0	3,530	2.0	2,040	-1.0	9,350	92,200
Total ⁴	164,000	7.2	266,000	6.6	291,000	8.1	241,000	4.4	961,000	8,600,000

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

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

³State not included in quarterly survey.

⁴Includes all 50 States.

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

TABLE 5
CONSTRUCTION AGGREGATES SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY DIVISION¹

(Thousand metric tons and thousand dollars)

Region/Division ²	2017					Value 1st-4th qtr. ³
	Quantity				1st-4th qtr. ³	
	1st qtr.	2d qtr.	3d qtr.	4th qtr.		
Northeast:						
New England	4,260	19,700	24,600	18,000	78,500	853,000
Middle Atlantic	25,900	55,400	58,900	47,500	188,000	2,270,000
Midwest:						
East North Central	39,900	86,700	102,000	80,500	336,000	2,860,000
West North Central	33,300	73,900	88,500	61,200	258,000	2,070,000
South:						
South Atlantic	82,400	97,500	98,900	93,100	373,000	5,100,000
East South Central	30,600	41,700	45,800	41,500	171,000	1,830,000
West South Central	84,100	91,600	88,300	85,100	349,000	3,590,000
West:						
Mountain	41,200	66,900	73,500	59,200	249,000	2,050,000
Pacific	39,400	64,400	70,800	64,300	239,000	2,530,000
Total ⁴	410,000	616,000	659,000	572,000	2,260,000	23,400,000

See footnotes at end of table.

TABLE 5—Continued
CONSTRUCTION AGGREGATES SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY DIVISION¹

(Thousand metric tons and thousand dollars)

Region/Division ²	2018									
	Quantity 1st qtr.	Percent change ⁵	Quantity 2d qtr.	Percent change ⁵	Quantity 3d qtr.	Percent change ⁵	Quantity 4th qtr.	Percent change ⁵	Quantity 1st–4th qtr. ³	Value 1st–4th qtr. ³
Northeast:										
New England	4,790	12.5	20,700	5.1	25,900	4.9	17,800	-0.9	81,400	908,000
Middle Atlantic	23,900	-7.7	56,300	1.5	61,800	4.6	55,300	14.2	197,000	2,470,000
Midwest:										
East North Central	38,800	-2.8	91,500	5.5	106,000	3.8	85,400	5.7	349,000	3,070,000
West North Central	26,400	-20.5	70,100	-5.2	91,300	3.1	58,800	-4.0	247,000	2,040,000
South:										
South Atlantic	80,100	-2.8	107,000	9.8	106,000	6.8	96,400	3.5	391,000	5,470,000
East South Central	29,300	-4.3	46,600	11.8	48,100	4.7	44,000	5.7	180,000	1,980,000
West South Central	85,200	1.3	100,000	9.2	92,600	4.7	90,000	5.4	368,000	3,890,000
West:										
Mountain	46,800	13.8	72,800	8.8	76,100	3.4	59,500	0.5	264,000	2,240,000
Pacific	51,200	30.1	70,600	9.7	78,100	9.3	69,000	6.9	269,000	2,960,000
Total ⁴	415,000	1.3	658,000	6.9	696,000	5.5	599,000	4.8	2,370,000	25,300,000

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

²Sales 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).

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

⁴Includes all 50 States.

⁵Compared 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 STATE¹

(Thousand metric tons and thousand dollars)

State	2017					
	Quantity				Value	
	1st qtr.	2d qtr.	3d qtr.	4th qtr.	1st-4th qtr. ²	1st-4th qtr. ²
Alabama	(3)	(3)	(3)	(3)	47,400	491,000
Alaska	(3)	(3)	(3)	(3)	9,490	93,700
Arizona	11,300	14,300	13,700	14,100	53,400	510,000
Arkansas	8,270	9,770	10,100	9,740	37,900	345,000
California	24,200	40,000	41,100	38,400	144,000	1,620,000
Colorado	8,420	14,400	16,500	12,900	52,300	461,000
Connecticut	1,010	4,280	5,400	4,130	14,800	209,000
Delaware	W	W	W	W	W	W
Florida	23,200	24,700	23,400	24,500	95,800	1,210,000
Georgia	14,100	14,900	15,600	14,500	59,000	831,000
Hawaii	(3)	(3)	(3)	(3)	6,060	133,000
Idaho	(3)	(3)	(3)	(3)	26,400	164,000
Illinois	7,350	18,900	23,900	17,200	67,400	670,000
Indiana	8,040	18,100	19,000	17,300	62,500	521,000
Iowa	5,970	16,200	17,000	13,000	52,100	533,000
Kansas	4,400	7,010	7,220	5,570	24,200	199,000
Kentucky	9,430	15,200	16,800	14,800	56,200	507,000
Louisiana	W	W	W	W	W	W
Maine	735	3,840	4,040	3,900	12,500	105,000
Maryland	5,020	9,070	9,540	8,430	32,100	392,000
Massachusetts	(3)	(3)	(3)	(3)	22,600	267,000
Michigan	5,950	20,400	24,100	17,900	68,400	454,000
Minnesota	1,320	16,500	24,100	11,400	53,300	323,000
Mississippi	2,470	3,430	3,940	3,110	12,900	155,000
Missouri	15,900	19,300	20,500	17,100	72,900	584,000
Montana	(3)	(3)	(3)	(3)	13,900	119,000
Nebraska	3,730	5,520	6,000	5,450	20,700	201,000
Nevada	6,670	7,740	11,300	7,170	32,900	240,000
New Hampshire	1,060	3,870	5,310	3,820	14,100	128,000
New Jersey	4,440	8,150	9,360	8,150	30,100	255,000
New Mexico	3,880	4,390	4,150	3,890	16,300	152,000
New York	7,550	19,700	20,500	16,400	64,100	756,000
North Carolina	14,500	17,700	18,500	16,100	66,900	1,060,000
North Dakota	(3)	(3)	(3)	(3)	15,800	115,000
Ohio	10,900	23,300	28,100	23,100	85,400	814,000
Oklahoma	10,500	11,800	11,900	10,500	44,800	411,000
Oregon	6,130	9,670	12,000	10,100	37,900	313,000
Pennsylvania	13,900	27,600	29,100	22,900	93,500	1,260,000
Rhode Island	(3)	(3)	(3)	(3)	4,540	54,200
South Carolina	9,320	9,670	9,470	9,170	37,600	409,000
South Dakota	1,490	6,300	7,350	3,500	18,600	112,000
Tennessee	10,600	14,100	15,500	14,400	54,600	674,000
Texas	60,800	65,600	61,700	60,300	248,000	2,580,000
Utah	5,320	9,880	11,800	8,240	35,200	270,000
Vermont	354	3,170	4,410	2,000	9,940	90,300
Virginia	12,900	16,800	16,900	15,300	61,900	979,000
Washington	9,030	14,700	17,700	15,700	57,200	600,000
West Virginia	(3)	(3)	(3)	(3)	16,500	187,000
Wisconsin	(3)	(3)	(3)	(3)	52,600	402,000
Wyoming	2,630	5,430	6,120	4,330	18,500	132,000
Total ⁴	410,000	616,000	659,000	572,000	2,260,000	23,400,000

See footnotes at end of table.

TABLE 6—Continued
CONSTRUCTION AGGREGATES SOLD OR USED BY PRODUCERS IN THE UNITED STATES, BY STATE¹

(Thousand metric tons and thousand dollars)

State	2018									
	Quantity 1st qtr.	Percent change ⁵	Quantity 2d qtr.	Percent change ⁵	Quantity 3d qtr.	Percent change ⁵	Quantity 4th qtr.	Percent change ⁵	Quantity 1st–4th qtr. ²	Value 1st–4th qtr. ²
Alabama	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	50,800	546,000
Alaska	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	9,670	98,400
Arizona	16,000	41.7	18,000	25.4	18,600	36.2	19,100	35.9	71,700	706,000
Arkansas	7,210	-12.8	9,310	-4.7	8,910	-11.9	8,190	-15.9	33,600	315,000
California	30,300	25.1	39,800	-0.6	44,200	7.4	38,900	1.3	153,000	1,780,000
Colorado	8,660	2.8	13,800	-4.8	14,000	-15.2	10,600	-17.8	47,000	426,000
Connecticut	1,240	22.6	3,920	-8.5	4,750	-12.1	3,820	-7.6	13,700	202,000
Delaware	W	W	W	W	W	W	W	W	W	W
Florida	25,300	9.1	26,800	8.5	25,600	9.5	24,200	-1.3	102,000	1,320,000
Georgia	12,500	-11.4	16,400	10.2	17,100	9.6	14,200	-1.9	60,100	879,000
Hawaii	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	6,190	140,000
Idaho	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	30,300	193,000
Illinois	6,220	-15.4	19,600	3.7	25,100	5.0	21,000	21.7	71,800	739,000
Indiana	8,820	9.7	18,400	1.4	20,600	8.0	19,300	11.4	67,100	575,000
Iowa	4,920	-17.6	15,600	-3.3	18,300	7.6	12,400	-4.4	51,300	541,000
Kansas	4,190	-4.6	7,700	9.8	6,020	-16.6	5,330	-4.3	23,200	193,000
Kentucky	8,490	-9.9	15,800	3.5	16,800	0.5	16,600	12.3	57,700	532,000
Louisiana	W	W	W	W	W	W	W	W	W	W
Maine	835	13.6	4,110	6.9	5,550	37.4	3,610	-7.4	14,100	122,000
Maryland	4,880	-2.8	9,300	2.6	9,740	2.1	9,410	11.7	33,300	420,000
Massachusetts	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	24,300	297,000
Michigan	6,520	9.7	21,300	4.6	25,800	6.9	16,000	-11.1	69,600	474,000
Minnesota	1,160	-12.0	13,200	-20.1	27,600	14.7	15,600	36.6	57,600	363,000
Mississippi	2,150	-12.9	3,820	11.3	3,990	1.3	2,970	-4.2	12,900	161,000
Missouri	11,500	-27.6	19,100	-1.3	19,700	-3.8	14,300	-16.7	64,600	533,000
Montana	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	15,200	133,000
Nebraska	3,360	-9.9	5,760	4.2	6,330	5.5	5,260	-3.4	20,700	206,000
Nevada	6,120	-8.2	8,680	12.2	9,040	-20.1	5,100	-28.8	28,900	215,000
New Hampshire	1,300	22.1	4,690	21.1	6,380	20.2	4,430	16.2	16,800	157,000
New Jersey	4,120	-7.2	8,150	0.0	8,620	-7.9	7,590	-7.0	28,500	248,000
New Mexico	3,680	-5.0	4,160	-5.2	4,190	1.0	3,080	-21.0	15,100	145,000
New York	7,680	1.6	19,800	0.8	22,800	11.2	19,900	21.4	70,200	856,000
North Carolina	13,700	-5.6	20,400	14.9	19,300	4.4	16,800	4.1	70,200	1,130,000
North Dakota	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	15,200	114,000
Ohio	10,500	-3.7	25,800	11.1	29,500	5.0	25,300	9.6	91,200	896,000
Oklahoma	10,400	-1.4	12,500	5.8	11,700	-1.3	12,200	16.0	46,800	443,000
Oregon	7,640	24.6	10,200	5.5	12,300	2.1	9,780	-3.3	39,900	338,000
Pennsylvania	12,100	-12.9	28,300	2.4	30,400	4.5	27,800	21.4	98,600	1,360,000
Rhode Island	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	4,640	57,100
South Carolina	8,570	-8.1	10,800	12.2	10,300	8.3	8,860	-3.4	38,500	427,000
South Dakota	881	-40.8	4,310	-31.6	6,720	-8.5	2,950	-15.8	14,900	91,900
Tennessee	10,300	-2.5	16,600	17.7	16,600	7.2	14,700	1.9	58,200	740,000
Texas	63,600	4.7	73,900	12.7	68,000	10.2	65,800	9.1	271,000	2,900,000
Utah	6,280	18.1	11,200	13.0	10,600	-9.6	7,980	-3.2	36,100	285,000
Vermont	320	-9.8	2,310	-27.2	3,650	-17.2	1,540	-23.2	7,820	72,800
Virginia	11,200	-13.8	17,100	2.1	16,200	-4.1	15,200	-0.3	59,700	975,000
Washington	13,300	47.2	20,600	40.4	21,700	22.5	20,300	29.1	75,900	839,000
West Virginia	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	22,900	269,000
Wisconsin	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	49,800	389,000
Wyoming	2,980	13.5	5,370	-1.1	6,780	10.7	4,040	-6.7	19,200	140,000
Total ⁴	415,000	1.3	658,000	6.9	696,000	5.5	599,000	4.8	2,370,000	25,300,000

W Withheld to avoid disclosing company proprietary data.

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

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

³State not included in quarterly survey.

⁴Includes all 50 States.

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