

Hawaii: 2002

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2002 Economic Census

Construction

Geographic Area Series



U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



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Table 1. Employment Statistics for Establishments by State: 2002

[Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Industry	Number of establishments	Number of employees		Number of construction workers in				Payroll (thousand dollars)		Relative standard error of estimate (percent) for column—
			Total	Construction workers	March	May	August	November	Total	Construction workers	
			A	B	C	D	E	F	G	H	
HAWAII											
23	Construction	2 350	27 287	19 726	18 831	19 620	20 280	20 173	1 139 031	770 909	2
236	Construction of buildings	739	8 404	5 769	5 530	5 860	5 849	5 836	386 971	238 965	4
2361	Residential building construction ..	566	4 237	2 897	2 806	2 965	2 876	2 942	173 663	102 698	6
23611	Residential building construction ..	566	4 237	2 897	2 806	2 965	2 876	2 942	173 663	102 698	6
236115	New single-family housing construction (except operative builders)	264	2 399	1 753	1 605	1 792	1 779	1 838	105 601	69 177	6
236116	New multifamily housing construction (except operative builders)	3	D	D	D	D	D	D	D	D	S
236117	New housing operative builders	^{\$86} 212	D	D	D	D	D	D	38 122	D	S
236118	Residential remodelers	212	878	569	601	595	564	518	D	D	21
2362	Nonresidential building construction	174	4 167	2 872	2 724	2 896	2 974	2 894	213 308	136 267	5
23621	Industrial building construction ..	^{\$5}	49	^{\$29}	^{\$27}	^{\$27}	30	30	2 884	1 329	32
236210	Industrial building construction ..	^{\$5}	49	^{\$29}	^{\$27}	^{\$27}	30	30	2 884	1 329	32
23622	Commercial and institutional building construction	169	4 118	2 843	2 697	2 869	2 944	2 864	210 424	134 938	5
236220	Commercial and institutional building construction	169	4 118	2 843	2 697	2 869	2 944	2 864	210 424	134 938	5
237	Heavy and civil engineering construction	141	3 161	2 142	2 030	2 103	2 235	2 199	146 568	95 454	5
2371	Utility system construction	43	1 043	812	745	778	856	871	45 363	32 346	9
23711	Water and sewer line and related structures construction	26	695	D	D	D	576	D	32 754	24 214	9
237110	Water and sewer line and related structures construction	26	695	D	D	D	576	D	32 754	24 214	9
23712	Oil and gas pipeline and related structures construction	1	D	D	D	D	D	D	D	D	S
237120	Oil and gas pipeline and related structures construction	1	D	D	D	D	D	D	D	D	S
23713	Power and communication line and related structures construction	16	D	D	D	D	D	D	D	D	S
237130	Power and communication line and related structures construction	16	D	D	D	D	D	D	D	D	S
2372	Land subdivision	^{\$44}	470	130	147	144	114	114	19 843	6 621	5
23721	Land subdivision	^{\$44}	470	130	147	144	114	114	19 843	6 621	5
237210	Land subdivision	^{\$44}	470	130	147	144	114	114	19 843	6 621	5
2373	Highway, street, and bridge construction	24	829	625	578	613	678	633	49 127	34 399	3
23731	Highway, street, and bridge construction	24	829	625	578	613	678	633	49 127	34 399	3
237310	Highway, street, and bridge construction	24	829	625	578	613	678	633	49 127	34 399	3
2379	Other heavy and civil engineering construction	29	819	574	560	569	588	581	32 234	22 089	16
23799	Other heavy and civil engineering construction	29	819	574	560	569	588	581	32 234	22 089	16
237990	Other heavy and civil engineering construction ..	29	819	574	560	569	588	581	32 234	22 089	16
238	Specialty trade contractors	1 470	15 722	11 815	11 272	11 656	12 196	12 138	605 492	436 490	3
2381	Foundation, structure, and building exterior contractors	290	3 019	2 388	2 365	2 326	2 485	2 378	122 907	92 452	5
23811	Poured concrete foundation and structure contractors	68	447	363	353	366	375	359	16 215	12 417	10
238110	Poured concrete foundation and structure contractors ..	68	447	363	353	366	375	359	16 215	12 417	10
23812	Structural steel and precast concrete contractors	11	378	277	279	245	288	295	16 499	12 767	—
238120	Structural steel and precast concrete contractors	11	378	277	279	245	288	295	16 499	12 767	—
23813	Framing contractors	^{\$40}	464	396	368	440	409	367	24 084	20 056	10
238130	Framing contractors	^{\$40}	464	396	368	440	409	367	24 084	20 056	10
23814	Masonry contractors	^{\$41}	553	481	488	340	543	554	22 223	18 505	7
238140	Masonry contractors	^{\$41}	553	481	488	340	543	554	22 223	18 505	7
23815	Glass and glazing contractors ..	11	116	75	74	68	77	80	5 065	2 922	4
238150	Glass and glazing contractors	11	116	75	74	68	77	80	5 065	2 922	4
23816	Roofing contractors	93	918	697	719	747	697	626	33 865	22 394	14
238160	Roofing contractors	93	918	697	719	747	697	626	33 865	22 394	14
23817	Siding contractors	3	30	D	D	22	21	20	D	D	—
238170	Siding contractors	3	30	D	D	22	21	20	D	D	—

See footnotes at end of table.

Table 1. Employment Statistics for Establishments by State: 2002—Con.

[Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Industry	Number of establishments	Number of employees		Number of construction workers in				Payroll (thousand dollars)		Relative standard error of estimate (percent) for column—
			Total	Construction workers	March	May	August	November	Total	Construction workers	
			A	B	C	D	E	F	G	H	
	HAWAII—Con.										
23	Construction—Con.										
238	Specialty trade contractors—Con.										
2381	Foundation, structure, and building exterior contractors—Con.										
23819	Other foundation, structure, and building exterior contractors . . .	\$24	\$113	D	D	\$97	\$74	\$77	D	D	\$56
238190	Other foundation, structure, and building exterior contractors . . .	\$24	\$113	D	D	\$97	\$74	\$77	D	D	\$56
2382	Building equipment contractors . . .	512	5 374	3 926	3 794	3 863	3 977	4 072	229 221	158 706	5
23821	Electrical Contractors	207	2 565	1 961	1 908	1 901	1 965	2 067	103 166	72 683	7
238210	Electrical Contractors	207	2 565	1 961	1 908	1 901	1 965	2 067	103 166	72 683	7
23822	Plumbing, heating, and air-conditioning contractors	280	2 320	1 653	1 582	1 651	1 680	1 699	96 844	65 305	9
238220	Plumbing, heating, and air-conditioning contractors	280	2 320	1 653	1 582	1 651	1 680	1 699	96 844	65 305	9
23829	Other building equipment contractors	25	489	313	304	311	332	306	29 211	20 719	14
238290	Other building equipment contractors	25	489	313	304	311	332	306	29 211	20 719	14
2383	Building finishing contractors	487	4 344	3 309	3 009	3 257	3 480	3 490	153 957	111 693	9
23831	Drywall and insulation contractors	78	1 015	866	758	869	874	961	42 645	34 404	16
238310	Drywall and insulation contractors	78	1 015	866	758	869	874	961	42 645	34 404	16
23832	Painting and wall covering contractors	153	1 497	1 143	1 002	1 112	1 295	1 161	54 021	37 593	16
238320	Painting and wall covering contractors	153	1 497	1 143	1 002	1 112	1 295	1 161	54 021	37 593	16
23833	Flooring contractors	74	368	257	252	260	260	254	10 903	7 690	16
238330	Flooring contractors	74	368	257	252	260	260	254	10 903	7 690	16
23834	Tile and terrazzo contractors . . .	\$37	528	417	394	404	426	443	17 826	12 610	36
238340	Tile and terrazzo contractors . . .	\$37	528	417	394	404	426	443	17 826	12 610	36
23835	Finish carpentry contractors . . .	103	626	D	393	D	392	392	17 325	11 043	21
238350	Finish carpentry contractors . . .	103	626	D	393	D	392	392	17 325	11 043	21
23839	Other building finishing contractors	\$42	\$310	D	\$210	D	\$232	\$280	\$11 237	\$8 353	\$46
238390	Other building finishing contractors	\$42	\$310	D	\$210	D	\$232	\$280	\$11 237	\$8 353	\$46
2389	Other specialty trade contractors . .	181	2 986	2 192	2 104	2 211	2 255	2 197	99 407	73 639	6
23891	Site preparation contractors	53	1 409	1 138	1 044	1 131	1 222	1 156	61 243	47 247	6
238910	Site preparation contractors	53	1 409	1 138	1 044	1 131	1 222	1 156	61 243	47 247	6
23899	All other specialty trade contractors	129	1 577	1 053	1 060	1 080	1 032	1 041	38 165	26 392	10
238990	All other specialty trade contractors	129	1 577	1 053	1 060	1 080	1 032	1 041	38 165	26 392	10

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 2. General Statistics for Establishments by State: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Industry	E ¹	Value of business done ²	Value of construction work ²	Net value of construction work	Value added	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Total rental costs	Capital expenditures, except land	Gross book value of depreciable assets, end-of-year
HAWAII											
23	Construction	1	5 640 054	5 562 996	3 809 556	2 527 112	1 359 502	1 753 440	104 863	87 095	786 657
236	Construction of buildings	1	2 963 676	2 947 094	1 515 103	1 012 000	519 686	1 431 990	40 571	18 350	166 908
2361	Residential building construction ..	1	1 454 831	1 450 660	764 373	501 455	267 088	686 288	10 587	9 318	62 243
23611	Residential building construction	1	1 454 831	1 450 660	764 373	501 455	267 088	686 288	10 587	9 318	62 243
236115	New single-family housing construction (except operative builders)	-	708 651	707 731	413 191	230 439	183 672	294 540	6 416	4 674	32 051
236116	New multifamily housing construction (except operative builders)	9	D	D	D	D	D	D	D	D	D
236117	New housing operative builders	-	564 235	561 504	221 824	174 736	49 820	339 680	2 829	3 185	D
236118	Residential remodelers	2	D	D	D	D	D	D	D	D	D
2362	Nonresidential building construction	1	1 508 845	1 496 434	750 731	510 545	252 597	745 703	29 984	9 033	104 665
23621	Industrial building construction ..	1	15 713	D	7 136	6 976	D	D	209	218	≈2 443
236210	Industrial building construction	1	15 713	D	7 136	6 976	D	D	209	218	≈2 443
23622	Commercial and institutional building construction	1	1 493 132	D	743 595	503 570	D	D	29 775	8 815	102 222
236220	Commercial and institutional building construction	1	1 493 132	D	743 595	503 570	D	D	29 775	8 815	102 222
237	Heavy and civil engineering construction	1	637 722	606 389	462 722	294 271	199 784	143 667	16 637	25 587	258 623
2371	Utility system construction	-	179 265	D	151 268	93 217	D	D	5 242	D	D
23711	Water and sewer line and related structures construction	-	135 962	134 480	113 796	70 120	45 157	20 685	3 500	D	D
237110	Water and sewer line and related structures construction	-	135 962	134 480	113 796	70 120	45 157	20 685	3 500	D	D
23712	Oil and gas pipeline and related structures construction	-	D	D	D	D	D	D	D	D	D
237120	Oil and gas pipeline and related structures construction	-	D	D	D	D	D	D	D	D	D
23713	Power and communication line and related structures construction	-	D	D	D	D	D	D	D	D	D
237130	Power and communication line and related structures construction	-	D	D	D	D	13 241	D	D	D	D
2372	Land subdivision	-	101 844	D	44 253	23 744	D	D	2 014	D	D
23721	Land subdivision	-	101 844	D	44 253	23 744	D	D	2 014	D	D
237210	Land subdivision	-	101 844	D	44 253	23 744	D	D	2 014	D	D
2373	Highway, street, and bridge construction	-	214 693	D	145 753	91 949	D	D	5 883	4 559	D
23731	Highway, street, and bridge construction	-	214 693	D	145 753	91 949	D	D	5 883	4 559	D
237310	Highway, street, and bridge construction	-	214 693	D	145 753	91 949	D	D	5 883	4 559	D
2379	Other heavy and civil engineering construction	2	141 920	135 327	121 448	85 361	42 680	13 879	3 498	D	51 628
23799	Other heavy and civil engineering construction	2	141 920	135 327	121 448	85 361	42 680	13 879	3 498	D	51 628
237990	Other heavy and civil engineering construction	2	141 920	135 327	121 448	85 361	42 680	13 879	3 498	D	51 628
238	Specialty trade contractors	1	2 038 655	2 009 513	1 831 730	1 220 840	640 032	177 783	47 654	43 158	361 126
2381	Foundation, structure, and building exterior contractors	2	425 805	421 369	384 891	231 030	158 297	36 478	7 642	6 684	71 031
23811	Poured concrete foundation and structure contractors	1	52 507	D	48 073	31 813	D	D	1 657	1 592	12 606
238110	Poured concrete foundation and structure contractors	1	52 507	D	48 073	31 813	D	D	1 657	1 592	12 606
23812	Structural steel and precast concrete contractors	-	66 691	D	63 046	27 522	D	D	1 792	1 468	14 392
238120	Structural steel and precast concrete contractors	-	66 691	D	63 046	27 522	D	D	1 792	1 468	14 392
23813	Framing contractors	4	68 471	D	58 726	36 771	D	D	766	340	3 803
238130	Framing contractors	4	68 471	D	58 726	36 771	D	D	766	340	3 803
23814	Masonry contractors	1	82 406	D	77 120	47 205	D	D	1 167	1 443	14 979
238140	Masonry contractors	1	82 406	D	77 120	47 205	D	D	1 167	1 443	14 979
23815	Glass and glazing contractors ..	1	18 663	16 766	16 339	9 801	8 435	427	655	D	D
238150	Glass and glazing contractors	1	18 663	16 766	16 339	9 801	8 435	427	655	D	D
23816	Roofing contractors	2	118 500	118 347	104 581	64 622	40 112	13 766	1 220	1 325	20 819
238160	Roofing contractors	2	118 500	118 347	104 581	64 622	40 112	13 766	1 220	1 325	20 819
23817	Siding contractors	4	6 329	D	5 677	4 496	D	D	D	D	D
238170	Siding contractors	4	6 329	D	5 677	4 496	D	D	D	D	D
23819	Other foundation, structure, and building exterior contractors	-	≈12 239	D	≈11 328	≈8 801	D	D	D	D	D
238190	Other foundation, structure, and building exterior contractors	-	≈12 239	D	≈11 328	≈8 801	D	D	D	D	D

See footnotes at end of table.

Table 2. General Statistics for Establishments by State: 2002—Con.

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Industry	E ¹	Value of business done ²	Value of construction work ²	Net value of construction work	Value added	Cost of materials, components, supplies, and fuels	Cost of construction work sub-contracted out to others	Total rental costs	Capital expenditures, except land	Gross book value of depreciable assets, end-of-year
HAWAII—Con.											
23	Construction—Con.										
238	Specialty trade contractors—Con.										
2382	Building equipment contractors . . .	1	824 982	815 502	752 559	485 533	276 506	62 943	15 959	14 346	101 013
23821	Electrical Contractors	1	374 896	372 229	346 764	223 111	126 320	25 465	6 431	10 526	56 794
238210	Electrical Contractors	1	374 896	372 229	346 764	223 111	126 320	25 465	6 431	10 526	56 794
23822	Plumbing, heating, and air-conditioning contractors	1	363 486	358 921	322 867	197 562	129 870	36 053	6 875	3 383	35 667
238220	Plumbing, heating, and air-conditioning contractors	1	363 486	358 921	322 867	197 562	129 870	36 053	6 875	3 383	35 667
23829	Other building equipment contractors	1	86 600	84 352	82 928	64 859	20 316	1 425	≈2 653	438	8 551
238290	Other building equipment contractors	1	86 600	84 352	82 928	64 859	20 316	1 425	≈2 653	438	8 551
2383	Building finishing contractors	2	434 175	426 827	398 720	300 794	105 274	28 107	9 090	6 344	51 927
23831	Drywall and insulation contractors	4	105 858	D	D	68 586	D	D	1 277	765	8 965
238310	Drywall and insulation contractors	4	105 858	D	D	68 586	D	D	1 277	765	8 965
23832	Painting and wall covering contractors	2	138 964	138 751	133 708	108 430	25 490	5 043	3 578	1 743	24 479
238320	Painting and wall covering contractors	2	138 964	138 751	133 708	108 430	25 490	5 043	3 578	1 743	24 479
23833	Flooring contractors	2	40 842	38 115	35 917	23 961	14 683	2 198	868	1 091	D
238330	Flooring contractors	2	40 842	38 115	35 917	23 961	14 683	2 198	868	1 091	D
23834	Tile and terrazzo contractors	2	57 205	D	55 451	40 766	D	D	494	531	D
238340	Tile and terrazzo contractors	2	57 205	D	55 451	40 766	D	D	494	531	D
23835	Finish carpentry contractors	2	62 455	58 838	46 299	33 318	16 599	12 539	1 624	2 059	7 333
238350	Finish carpentry contractors	2	62 455	58 838	46 299	33 318	16 599	12 539	1 624	2 059	7 333
23839	Other building finishing contractors	—	≈28 850	D	D	≈25 732	D	D	1 249	155	D
238390	Other building finishing contractors	—	≈28 850	D	D	≈25 732	D	D	1 249	155	D
2389	Other specialty trade contractors	—	353 693	345 816	295 561	203 483	99 955	50 255	14 963	15 784	137 156
23891	Site preparation contractors	—	224 655	223 744	191 623	130 559	61 974	32 122	11 608	12 078	111 244
238910	Site preparation contractors	—	224 655	223 744	191 623	130 559	61 974	32 122	11 608	12 078	111 244
23899	All other specialty trade contractors	1	129 038	122 071	103 938	72 924	37 981	18 133	3 355	3 706	25 911
238990	All other specialty trade contractors	1	129 038	122 071	103 938	72 924	37 981	18 133	3 355	3 706	25 911

¹Construction receipts were obtained from census respondent forms. Data for establishments whose respondent forms were not received at the time data were tabulated were calculated using industry averages and imputation for nonresponse. The following symbols are shown where estimated imputation-based data on construction receipts account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²For the 2002 Economic Census, the definitions of value of business done and value of construction work have been modified from the 1997 Economic Census definitions. See Appendix A for the modified definitions.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics for Establishments: 2002

[Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Item	Value	Relative standard error of estimate (percent)
HAWAII		
All establishments number	2 350	6
All employees number	27 287	2
Construction workers in March number	18 831	3
Construction workers in May number	19 620	3
Construction workers in August number	20 280	2
Construction workers in November number	20 173	2
Average number of construction workers number	19 726	2
Other employees in March number	7 653	3
Other employees in May number	7 330	3
Other employees in August number	7 477	3
Other employees in November number	7 785	3
Average number of other employees number	7 561	3
Total payroll \$1,000	1 139 031	2
Construction workers \$1,000	770 909	2
Other employees \$1,000	368 122	2
First-quarter payroll, all employees \$1,000	271 962	2
Fringe benefits, all employees \$1,000	333 441	2
Legally required expenditures \$1,000	184 646	2
Voluntary expenditures \$1,000	148 795	2
Value of business done ¹ \$1,000	5 640 054	1
Value of construction work ¹ \$1,000	5 562 996	1
Value of construction work on government owned projects \$1,000	1 616 901	2
Value of construction work on federally owned projects \$1,000	651 752	3
Value of construction work on state and locally owned projects \$1,000	965 149	1
Value of construction work on privately owned projects \$1,000	3 946 095	2
Other business receipts \$1,000	77 057	4
Value of construction work subcontracted in from others \$1,000	1 938 907	2
Net value of construction work \$1,000	3 809 556	2
Value added \$1,000	2 527 112	2
Selected costs \$1,000	3 112 942	2
Materials, parts, and supplies \$1,000	1 289 177	2
Construction work subcontracted out to others \$1,000	1 753 440	2
Selected power, fuels, and lubricants \$1,000	70 324	2
Purchased electricity \$1,000	13 391	2
Natural gas and manufactured gas \$1,000	3 788	3
Gasoline and diesel fuel \$1,000	48 415	3
On-highway use of gasoline and diesel fuel \$1,000	34 127	2
Off-highway use of gasoline and diesel fuel \$1,000	14 288	5
All other fuels and lubricants \$1,000	4 730	8
Total rental costs \$1,000	104 863	2
Machinery and equipment \$1,000	51 383	2
Buildings \$1,000	53 480	3
Selected purchased services \$1,000	190 103	2
Communication services \$1,000	41 959	2
Repairs to buildings and other structures \$1,000	26 463	2
Repairs to machinery and equipment \$1,000	39 422	7
Legal services \$1,000	48 737	4
Accounting, auditing, and bookkeeping services \$1,000	15 036	5
Advertising and promotional services \$1,000	18 485	3
Beginning-of-year gross book value of depreciable assets \$1,000	723 742	3
Capital expenditures, other than land \$1,000	87 095	2
Retirements and disposition of depreciable assets \$1,000	24 180	5
End-of-year gross book value of depreciable assets \$1,000	786 657	3
Depreciation charges during year \$1,000	71 035	3
Establishments with inventories number	471	—
Value of construction work for establishments with inventories \$1,000	1 368 379	—
End-of-2002, inventories of materials and supplies \$1,000	52 276	10
End-of-2001, inventories of materials and supplies \$1,000	40 118	5
Establishments with no inventories number	1 771	—
Value of construction work for establishments with no inventories \$1,000	4 038 873	—
Establishments not reporting inventories number	108	—
Value of construction work for establishments not reporting inventores \$1,000	155 744	—

¹For the 2002 Economic Census, the definitions of value of business done and value of construction work have been modified from the 1997 Economic Census definitions. See Appendix A for the modified definitions.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 4. Selected Statistics for Establishments by Employment Size Class: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Employment size class	E ¹	Number of establishments	Total number of employees	Total payroll	Value of business done ²	Value of construction work ²	Net value of construction work	Value added	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Relative standard error of estimate (percent) for column—
	A	B	C	D	E	F	G	H	I	J	C
HAWAII											
All establishments	1	2 350	27 287	1 139 031	5 640 054	5 562 996	3 809 556	2 527 112	1 359 502	1 753 440	2
Establishments with—											
1 to 4 employees	3	1 221	2 536	53 063	321 823	318 263	233 490	136 097	100 952	84 774	11
5 to 9 employees	1	472	3 118	105 062	D	D	D	D	D	D	12
10 to 19 employees	2	336	4 456	175 767	624 550	611 523	492 548	344 183	161 392	118 975	8
20 to 49 employees	1	228	6 647	288 389	1 361 722	1 344 673	986 381	707 125	296 306	358 292	4
50 to 99 employees	1	58	3 959	183 391	838 016	823 988	540 583	353 433	201 178	283 405	—
100 to 249 employees	—	29	4 195	247 516	1 474 004	1 447 516	836 632	529 842	333 278	610 884	—
250 to 499 employees	—	5	D	D	597 771	597 386	365 797	225 321	140 861	231 589	S
500 to 999 employees	—	1	D	D	D	D	D	D	D	D	S
1,000 employees or more	—	—	—	—	—	—	—	—	—	—	—

¹Construction receipts were obtained from census respondent forms. Data for establishments whose respondent forms were not received at the time data were tabulated were calculated using industry averages and imputation for nonresponse. The following symbols are shown where estimated imputation-based data on construction receipts account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²For the 2002 Economic Census, the definitions of value of business done and value of construction work have been modified from the 1997 Economic Census definitions. See Appendix A for the modified definitions.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 5. Selected Statistics for Establishments by Dollar Value of Business Done Size Class: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Dollar value size class	E ¹	Number of establishments	Total number of employees	Total payroll	Value of business done ²	Value of construction work ²	Net value of construction work	Value added	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted out to others	Relative standard error of estimate (percent) for column—
	A	B	C	D	E	F	G	H	I	J	G
HAWAII											
All establishments	1	2 350	27 287	1 139 031	5 640 054	5 562 996	3 809 556	2 527 112	1 359 502	1 753 440	2
Establishments with value of business done—											
Less than \$25,000	5	S	S	\$ ²⁶⁶	\$ ⁶³⁶	\$ ⁶³⁶	\$ ⁵⁶¹	\$ ³⁸⁶	\$ ¹⁷⁴	\$ ⁷⁶	\$ ⁶⁹
\$25,000 to \$49,999	4	S	S	\$ ^{1 997}	4 867	4 787	4 385	\$ ^{2 206}	\$ ^{2 258}	\$ ⁴⁰³	38
\$50,000 to \$99,999	6	203	401	5 340	14 343	14 101	12 160	8 503	3 900	\$ ^{1 941}	29
\$100,000 to \$249,999	4	506	1 101	19 185	82 869	82 328	70 635	40 821	30 355	11 693	18
\$250,000 to \$499,999	2	352	1 351	28 551	123 943	121 732	106 455	71 008	37 658	15 277	16
\$500,000 to \$999,999	2	381	2 561	82 819	274 182	273 317	236 046	156 428	80 483	37 271	13
\$1,000,000 to \$2,499,999	2	386	4 385	162 163	589 709	579 255	483 115	329 674	163 894	96 140	8
\$2,500,000 to \$4,999,999	1	164	3 894	166 417	576 862	563 431	469 787	319 750	163 469	93 643	4
\$5,000,000 to \$9,999,999	1	101	3 471	165 494	689 384	678 919	531 958	359 562	182 861	146 961	3
\$10,000,000 or more	—	95	9 953	506 800	3 283 258	3 244 490	1 894 455	1 238 774	694 449	1 350 035	—

¹Construction receipts were obtained from census respondent forms. Data for establishments whose respondent forms were not received at the time data were tabulated were calculated using industry averages and imputation for nonresponse. The following symbols are shown where estimated imputation-based data on construction receipts account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²For the 2002 Economic Census, the definitions of value of business done and value of construction work have been modified from the 1997 Economic Census definitions. See Appendix A for the modified definitions.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 6. **Value of Construction Work for Establishments by Geographic Location of Construction Work: 2002**

[Thousand dollars unless otherwise noted. This table presents selected statistics for establishments according to the geographic location of construction work. Data are not shown for those geographic locations in which construction work is relatively insignificant. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Geographic location of construction work	Value of construction work ¹	Relative standard error of estimate (percent)
HAWAII		
Total	5 562 996	1
Construction work done in Hawaii	5 562 996	1

¹For the 2002 Economic Census, the definition of value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definition.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Value of Construction Work for Establishments by Type of Construction: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Type of construction	Value of construction work ¹				Relative standard error of estimate (percent) for column—			
	Total	New construction	Additions, alterations, or reconstruction	Maintenance and repair	A	B	C	D
	A	B	C	D	A	B	C	D
HAWAII								
Total	5 562 996	3 660 887	1 159 137	742 973	1	1	2	3
Building construction, total	4 576 936	2 958 940	1 018 366	599 630	1	1	2	3
Single-family houses, detached and attached	1 970 337	1 621 440	191 585	157 312	2	2	8	9
Single-family houses, detached	1 646 419	1 334 763	169 396	142 260	3	3	8	10
Single-family houses, attached	323 918	286 677	22 189	15 052	3	2	34	9
Apartment buildings (2 or more units), such as rentals, apartment type condominiums and cooperatives	240 947	149 870	54 943	36 134	4	2	12	12
Dormitories and barracks	128 606	59 711	46 082	22 814	4	6	2	8
Manufacturing and industrial warehouses	52 405	29 340	14 731	8 334	5	5	7	18
Other manufacturing and light industrial buildings, such as factories, assembly plants, and industrial research laboratories	72 157	45 042	21 750	5 366	10	3	28	27
Hotels, motels, and tourist cabins	297 572	185 087	78 311	34 174	4	5	3	5
Office buildings	271 131	114 366	104 173	52 592	3	4	5	3
Stores, restaurants, and automobile service stations, and other commercial buildings	482 131	199 563	109 004	173 563	3	2	6	6
Commercial warehouses such as distribution buildings and mini-storage	126 478	97 690	19 296	9 492	6	7	13	22
Religious buildings	79 309	45 584	23 887	9 837	3	5	5	5
Educational buildings	483 344	263 170	153 541	66 632	3	4	3	4
Health care and institutional buildings	233 557	52 055	167 716	13 786	2	6	1	5
Public safety buildings such as prisons, police, and fire stations	56 711	43 500	11 549	1 663	1	1	6	6
Amusement, social, and recreational buildings	53 230	34 746	16 025	2 459	5	3	14	6
Other building construction	29 019	17 775	5 773	5 471	1	—	5	2
Nonbuilding construction, total	881 900	597 787	140 770	143 343	2	3	5	3
Highways, streets, and related work, such as installation of guardrails and signs	241 701	120 482	42 650	78 569	2	2	6	2
Private driveways and parking areas	58 814	43 447	5 780	9 587	6	8	6	5
Sewers, water mains, and related facilities	208 014	154 119	37 067	16 828	4	4	10	12
Sewers, sewer lines, septic systems, and related facilities	73 824	48 755	19 185	5 885	6	1	19	13
Water mains, storage, and related facilities	134 190	105 365	17 882	10 943	5	6	5	17
Power and communication transmission lines, cables, towers, and related facilities	53 947	33 560	10 839	9 549	15	17	16	14
Outdoor recreational areas, such as outdoor athletic fields, courts, golf courses, and camp grounds	63 676	48 803	9 945	4 929	11	10	15	30
Other nonbuilding construction	255 747	197 375	34 489	23 882	6	6	12	7
Construction work, nsk	104 161	104 161	—	—	—	—	—	—

¹For the 2002 Economic Census, the definition of value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definition.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 8. Value of Business Done for Establishments by Kind-of-Business Activity: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

Primary and other kind of business activities	Value of business done ¹	Relative standard error of estimate (percent)
HAWAII		
Total	5 640 054	1
Building construction, total	2 746 654	2
Building construction on land owned by you	500 143	5
Building construction on land owned by others	1 925 605	2
Remodeling contractor	320 907	5
Heavy construction and civil engineering construction, total	585 733	3
Subdividing and servicing of raw land into lots, for sale by you	96 018	1
Highway and street general contractor	74 728	2
Paving contractor -- asphalt or concrete for highways, streets, bridges, or airport runways	104 150	—
Heavy construction contractor, such as bridges, tunnels, pipelines, and utility lines	177 747	3
Excavation work, earthmoving or land clearing contractor, not connected with buildings	133 089	10
Special trade contractors, total	1 243 410	4
Heating, ventilation and air-conditioning contractor (HVAC)	159 269	11
Plumbing contractor	156 705	9
Painting contractor	141 692	9
Electric power installation and service contractor, including lighting	250 364	6
Drywall contractor	90 642	7
Finish carpentry contractor	73 760	11
Framing contractor, except steel	68 112	6
Roofing contractor, except sheet metal	61 649	16
Concrete Contractor (except paving or foundation)	76 532	4
Excavation work: earthmoving or land clearing contractor, connected with buildings	108 394	5
Elevator installation, service, and repair contractor	56 291	10
All other construction activities	884 095	3
Other business activities secondary to construction activities, total	76 002	3
All other business activities secondary to construction activities	76 002	3
Kind of business activity, nsk	104 161	18

¹For the 2002 Economic Census, the definition of value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definition.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.