

Pennsylvania: 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	
PENNSYLVANIA											
23	Construction	27 589	277 400	204 329	196 469	207 051	212 173	201 621	10 143 071	6 976 591	1
236	Construction of buildings	8 374	65 492	42 692	41 401	43 470	44 298	41 600	2 362 892	1 304 295	3
2361	Residential building construction ..	6 828	33 077	20 470	19 736	21 018	21 212	19 912	1 028 708	509 054	3
23611	Residential building construction ..	6 828	33 077	20 470	19 736	21 018	21 212	19 912	1 028 708	509 054	3
236115	New single-family housing construction (except operative builders)	2 316	11 157	7 335	6 851	7 658	7 579	7 250	331 279	175 321	7
236116	New multifamily housing construction (except operative builders)	97	756	520	542	519	525	495	24 894	16 473	16
236117	New housing operative builders	912	7 861	4 121	4 015	4 162	4 264	4 045	321 381	129 626	5
236118	Residential remodelers	3 503	13 304	8 493	8 327	8 678	8 845	8 123	351 155	187 634	6
2362	Nonresidential building construction	1 546	32 415	22 222	21 665	22 452	23 086	21 687	1 334 184	795 241	4
23621	Industrial building construction ..	126	3 617	2 644	2 760	2 664	2 726	2 424	148 032	97 850	20
236210	Industrial building construction	126	3 617	2 644	2 760	2 664	2 726	2 424	148 032	97 850	20
23622	Commercial and institutional building construction	1 419	28 798	19 579	18 904	19 788	20 360	19 263	1 186 152	697 391	4
236220	Commercial and institutional building construction	1 419	28 798	19 579	18 904	19 788	20 360	19 263	1 186 152	697 391	4
237	Heavy and civil engineering construction	1 398	40 742	29 775	29 911	30 368	29 728	29 093	1 766 580	1 232 374	3
2371	Utility system construction	652	21 693	16 720	18 986	16 863	15 446	15 587	932 583	694 804	5
23711	Water and sewer line and related structures construction	428	6 918	5 453	4 896	5 681	5 644	5 592	249 411	176 463	16
237110	Water and sewer line and related structures construction	428	6 918	5 453	4 896	5 681	5 644	5 592	249 411	176 463	16
23712	Oil and gas pipeline and related structures construction	^40	1 358	1 090	1 013	1 019	1 188	1 141	54 179	39 096	11
237120	Oil and gas pipeline and related structures construction	^40	1 358	1 090	1 013	1 019	1 188	1 141	54 179	39 096	11
23713	Power and communication line and related structures construction	184	13 418	10 177	13 076	10 164	8 614	8 854	628 993	479 245	2
237130	Power and communication line and related structures construction	184	13 418	10 177	13 076	10 164	8 614	8 854	628 993	479 245	2
2372	Land subdivision	147	868	275	286	238	283	292	32 259	10 677	17
23721	Land subdivision	147	868	275	286	238	283	292	32 259	10 677	17
237210	Land subdivision	147	868	275	286	238	283	292	32 259	10 677	17
2373	Highway, street, and bridge construction	377	15 202	10 477	8 517	10 932	11 641	10 816	700 161	455 907	4
23731	Highway, street, and bridge construction	377	15 202	10 477	8 517	10 932	11 641	10 816	700 161	455 907	4
237310	Highway, street, and bridge construction	377	15 202	10 477	8 517	10 932	11 641	10 816	700 161	455 907	4
2379	Other heavy and civil engineering construction	222	2 979	2 303	2 122	2 335	2 358	2 399	101 576	70 986	9
23799	Other heavy and civil engineering construction	222	2 979	2 303	2 122	2 335	2 358	2 399	101 576	70 986	9
237990	Other heavy and civil engineering construction	222	2 979	2 303	2 122	2 335	2 358	2 399	101 576	70 986	9
238	Specialty trade contractors	17 817	171 165	131 861	125 158	133 213	138 146	130 928	6 013 600	4 439 921	2
2381	Foundation, structure, and building exterior contractors	4 635	44 181	35 901	33 281	36 210	37 629	36 485	1 339 452	1 014 814	4
23811	Poured concrete foundation and structure contractors	1 063	9 628	8 009	7 184	8 590	8 359	7 904	289 581	225 352	10
238110	Poured concrete foundation and structure contractors ..	1 063	9 628	8 009	7 184	8 590	8 359	7 904	289 581	225 352	10
23812	Structural steel and precast concrete contractors	113	2 819	2 036	1 976	1 989	2 045	2 135	97 380	72 831	16
238120	Structural steel and precast concrete contractors	113	2 819	2 036	1 976	1 989	2 045	2 135	97 380	72 831	16
23813	Framing contractors	546	3 449	2 862	2 824	2 921	2 958	2 744	84 396	64 988	16
238130	Framing contractors	546	3 449	2 862	2 824	2 921	2 958	2 744	84 396	64 988	16
23814	Masonry contractors	1 460	14 514	12 557	11 506	12 614	13 089	13 020	443 432	365 180	8
238140	Masonry contractors	1 460	14 514	12 557	11 506	12 614	13 089	13 020	443 432	365 180	8
23815	Glass and glazing contractors ..	200	2 218	1 526	1 493	1 541	1 540	1 528	85 674	52 751	17
238150	Glass and glazing contractors	200	2 218	1 526	1 493	1 541	1 540	1 528	85 674	52 751	17
23816	Roofing contractors	844	8 309	6 523	5 940	6 168	7 258	6 727	224 408	156 579	9
238160	Roofing contractors	844	8 309	6 523	5 940	6 168	7 258	6 727	224 408	156 579	9
23817	Siding contractors	305	2 369	1 804	1 766	1 790	1 807	1 852	73 169	54 082	23
238170	Siding contractors	305	2 369	1 804	1 766	1 790	1 807	1 852	73 169	54 082	23

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	
PENNSYLVANIA—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...	105	874	584	591	598	572	575	41 412	23 050	18
238190	Other foundation, structure, and building exterior contractors	105	874	584	591	598	572	575	41 412	23 050	18
2382	Building equipment contractors ...	6 238	75 641	56 630	55 444	56 835	58 450	55 789	3 078 124	2 293 270	2
23821	Electrical Contractors	2 341	28 501	22 321	21 551	22 498	23 233	22 001	1 222 929	935 989	4
238210	Electrical Contractors	2 341	28 501	22 321	21 551	22 498	23 233	22 001	1 222 929	935 989	4
23822	Plumbing, heating, and air-conditioning contractors	3 653	41 890	30 327	29 597	30 440	31 336	29 935	1 639 278	1 193 465	3
238220	Plumbing, heating, and air-conditioning contractors	3 653	41 890	30 327	29 597	30 440	31 336	29 935	1 639 278	1 193 465	3
23829	Other building equipment contractors	244	5 249	3 982	4 295	3 898	3 880	3 853	215 916	163 815	6
238290	Other building equipment contractors	244	5 249	3 982	4 295	3 898	3 880	3 853	215 916	163 815	6
2383	Building finishing contractors	4 278	30 287	23 484	22 187	24 052	25 049	22 647	903 057	648 965	4
23831	Drywall and insulation contractors	559	9 270	8 052	7 928	8 199	8 522	7 557	295 444	234 884	4
238310	Drywall and insulation contractors	559	9 270	8 052	7 928	8 199	8 522	7 557	295 444	234 884	4
23832	Painting and wall covering contractors	1 427	7 863	6 116	5 399	6 223	6 804	6 037	203 644	147 759	8
238320	Painting and wall covering contractors	1 427	7 863	6 116	5 399	6 223	6 804	6 037	203 644	147 759	8
23833	Flooring contractors	440	2 623	1 686	1 648	1 729	1 726	1 640	86 657	47 585	10
238330	Flooring contractors	440	2 623	1 686	1 648	1 729	1 726	1 640	86 657	47 585	10
23834	Tile and terrazzo contractors	277	1 672	1 309	1 262	1 313	1 477	1 183	57 135	41 132	15
238340	Tile and terrazzo contractors	277	1 672	1 309	1 262	1 313	1 477	1 183	57 135	41 132	15
23835	Finish carpentry contractors	1 467	7 236	5 133	4 750	5 422	5 313	5 047	196 783	132 462	10
238350	Finish carpentry contractors	1 467	7 236	5 133	4 750	5 422	5 313	5 047	196 783	132 462	10
23839	Other building finishing contractors	109	1 623	1 189	1 200	1 167	1 208	1 183	63 393	45 143	10
238390	Other building finishing contractors	109	1 623	1 189	1 200	1 167	1 208	1 183	63 393	45 143	10
2389	Other specialty trade contractors	2 666	21 057	15 847	14 247	16 115	17 019	16 007	692 968	482 873	5
23891	Site preparation contractors	1 593	13 166	10 183	9 102	10 209	10 977	10 446	447 222	324 721	5
238910	Site preparation contractors	1 593	13 166	10 183	9 102	10 209	10 977	10 446	447 222	324 721	5
23899	All other specialty trade contractors	1 074	7 891	5 663	5 145	5 906	6 042	5 561	245 746	158 152	11
238990	All other specialty trade contractors	1 074	7 891	5 663	5 145	5 906	6 042	5 561	245 746	158 152	11

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
PENNSYLVANIA											
23	Construction	1	46 642 336	46 132 217	34 221 478	22 217 427	12 514 170	11 910 739	773 830	869 943	7 230 697
236	Construction of buildings	1	19 018 663	18 909 491	10 196 855	5 863 267	4 442 760	8 712 635	134 667	153 573	1 196 771
2361	Residential building construction..	2	8 093 039	8 045 755	5 300 822	2 683 098	2 665 008	2 744 933	48 152	78 774	527 546
23611	Residential building construction	2	8 093 039	8 045 755	5 300 822	2 683 098	2 665 008	2 744 933	48 152	78 774	527 546
236115	New single-family housing construction (except operative builders)	2	2 709 870	2 701 233	1 692 171	814 682	886 125	1 009 063	13 817	24 055	189 584
236116	New multifamily housing construction (except operative builders)	4	291 661	289 661	129 756	49 083	\$82 673	159 905	\$2 790	\$9 824	\$41 702
236117	New housing operative builders	1	3 409 429	3 381 606	2 277 790	1 098 086	1 207 527	1 103 816	14 804	21 659	157 885
236118	Residential remodelers	3	1 682 079	1 673 255	1 201 105	721 247	488 682	472 149	16 741	23 236	138 375
2362	Nonresidential building construction	-	10 925 624	10 863 736	4 896 034	3 180 170	1 777 752	5 967 702	86 516	74 799	669 225
23621	Industrial building construction	1	754 536	749 442	360 970	200 674	165 390	388 472	8 789	6 146	49 161
236210	Industrial building construction	1	754 536	749 442	360 970	200 674	165 390	388 472	8 789	6 146	49 161
23622	Commercial and institutional building construction	-	10 171 088	10 114 293	4 535 063	2 979 496	1 612 363	5 579 230	77 727	68 653	620 064
236220	Commercial and institutional building construction	-	10 171 088	10 114 293	4 535 063	2 979 496	1 612 363	5 579 230	77 727	68 653	620 064
237	Heavy and civil engineering construction	1	6 982 754	6 748 650	5 427 394	3 886 475	1 775 023	1 321 256	223 674	270 306	2 225 355
2371	Utility system construction	1	2 948 631	2 927 833	2 480 658	1 834 429	667 027	447 176	96 692	80 137	754 127
23711	Water and sewer line and related structures construction	1	1 182 418	D	978 531	581 549	D	D	40 878	44 568	428 151
237110	Water and sewer line and related structures construction	1	1 182 418	D	978 531	581 549	D	D	40 878	44 568	428 151
23712	Oil and gas pipeline and related structures construction	-	126 613	D	109 500	86 173	D	D	5 296	5 419	39 635
237120	Oil and gas pipeline and related structures construction	-	126 613	D	109 500	86 173	D	D	5 296	5 419	39 635
23713	Power and communication line and related structures construction	-	1 639 600	1 623 545	1 392 627	1 166 707	241 976	230 917	50 518	30 150	286 341
237130	Power and communication line and related structures construction	-	1 639 600	1 623 545	1 392 627	1 166 707	241 976	230 917	50 518	30 150	286 341
2372	Land subdivision	5	160 046	156 169	125 530	95 404	34 003	30 639	990	\$8 433	\$49 438
23721	Land subdivision	5	160 046	156 169	125 530	95 404	34 003	30 639	990	\$8 433	\$49 438
237210	Land subdivision	5	160 046	156 169	125 530	95 404	34 003	30 639	990	\$8 433	\$49 438
2373	Highway, street, and bridge construction	1	3 277 673	3 080 239	2 340 823	1 634 871	903 386	739 416	113 019	123 784	1 170 871
23731	Highway, street, and bridge construction	1	3 277 673	3 080 239	2 340 823	1 634 871	903 386	739 416	113 019	123 784	1 170 871
237310	Highway, street, and bridge construction	1	3 277 673	3 080 239	2 340 823	1 634 871	903 386	739 416	113 019	123 784	1 170 871
2379	Other heavy and civil engineering construction	1	596 404	584 409	480 383	321 772	170 607	104 025	12 973	57 953	250 919
23799	Other heavy and civil engineering construction	1	596 404	584 409	480 383	321 772	170 607	104 025	12 973	57 953	250 919
237990	Other heavy and civil engineering construction	1	596 404	584 409	480 383	321 772	170 607	104 025	12 973	57 953	250 919
238	Specialty trade contractors	1	20 640 919	20 474 077	18 597 229	12 467 684	6 296 387	1 876 847	415 488	446 064	3 808 570
2381	Foundation, structure, and building exterior contractors.....	2	4 459 468	4 437 802	4 114 560	2 651 403	1 484 823	323 242	100 236	98 338	814 095
23811	Poured concrete foundation and structure contractors	2	1 083 350	D	971 660	530 618	D	D	21 628	33 287	247 362
238110	Poured concrete foundation and structure contractors	2	1 083 350	D	971 660	530 618	D	D	21 628	33 287	247 362
23812	Structural steel and precast concrete contractors	-	375 072	374 700	340 086	271 171	69 287	34 613	17 270	9 479	141 780
238120	Structural steel and precast concrete contractors	-	375 072	374 700	340 086	271 171	69 287	34 613	17 270	9 479	141 780
23813	Framing contractors	1	305 995	301 041	245 677	166 542	84 089	\$55 365	3 613	3 703	28 300
238130	Framing contractors	1	305 995	301 041	245 677	166 542	84 089	\$55 365	3 613	3 703	28 300
23814	Masonry contractors	2	1 189 957	1 188 677	1 145 306	815 585	331 001	43 371	27 386	30 899	198 522
238140	Masonry contractors	2	1 189 957	1 188 677	1 145 306	815 585	331 001	43 371	27 386	30 899	198 522
23815	Glass and glazing contractors ..	1	313 934	308 791	294 576	177 135	122 584	14 214	8 616	2 597	28 228
238150	Glass and glazing contractors	1	313 934	308 791	294 576	177 135	122 584	14 214	8 616	2 597	28 228
23816	Roofing contractors	1	852 337	851 637	804 688	475 585	329 803	46 949	12 939	14 442	122 780
238160	Roofing contractors	1	852 337	851 637	804 688	475 585	329 803	46 949	12 939	14 442	122 780
23817	Siding contractors	1	245 404	D	228 729	148 378	D	D	\$6 426	2 711	31 340
238170	Siding contractors	1	245 404	D	228 729	148 378	D	D	\$6 426	2 711	31 340
23819	Other foundation, structure, and building exterior contractors...	2	93 420	D	83 838	66 389	D	D	2 358	1 220	15 783
238190	Other foundation, structure, and building exterior contractors	2	93 420	D	83 838	66 389	D	D	2 358	1 220	15 783

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 subcontracted out to others	Total rental costs	Capital expenditures, except land	Gross book value of depreciable assets, end-of-year
PENNSYLVANIA—Con.											
23	Construction—Con.										
238	Specialty trade contractors—Con.										
2382	Building equipment contractors . . .	1	9 947 640	9 878 269	9 039 352	6 141 435	2 967 288	838 917	148 430	144 755	1 234 486
23821	Electrical Contractors	1	3 384 567	3 359 044	3 190 944	2 134 551	1 081 916	168 101	46 945	39 117	392 167
238210	Electrical Contractors	1	3 384 567	3 359 044	3 190 944	2 134 551	1 081 916	168 101	46 945	39 117	392 167
23822	Plumbing, heating, and air-conditioning contractors	1	5 971 127	5 929 629	5 290 554	3 566 048	1 766 004	639 074	86 987	92 098	751 507
238220	Plumbing, heating, and air-conditioning contractors	1	5 971 127	5 929 629	5 290 554	3 566 048	1 766 004	639 074	86 987	92 098	751 507
23829	Other building equipment contractors	1	591 946	589 596	557 854	440 836	119 368	31 742	14 499	13 540	90 812
238290	Other building equipment contractors	1	591 946	589 596	557 854	440 836	119 368	31 742	14 499	13 540	90 812
2383	Building finishing contractors	1	3 538 327	3 511 654	3 104 308	2 070 305	1 060 676	407 346	63 003	48 045	351 990
23831	Drywall and insulation contractors	—	1 414 939	1 414 079	1 247 733	832 562	416 031	166 346	17 229	14 817	103 951
238310	Drywall and insulation contractors	—	1 414 939	1 414 079	1 247 733	832 562	416 031	166 346	17 229	14 817	103 951
23832	Painting and wall covering contractors	2	606 153	601 223	567 324	422 231	150 024	33 899	19 261	13 653	109 380
238320	Painting and wall covering contractors	2	606 153	601 223	567 324	422 231	150 024	33 899	19 261	13 653	109 380
23833	Flooring contractors	2	314 949	303 465	277 935	160 761	128 657	25 530	5 677	3 183	27 560
238330	Flooring contractors	2	314 949	303 465	277 935	160 761	128 657	25 530	5 677	3 183	27 560
23834	Tile and terrazzo contractors . . .	1	179 330	178 631	172 444	119 139	54 004	6 188	2 538	2 166	18 712
238340	Tile and terrazzo contractors . . .	1	179 330	178 631	172 444	119 139	54 004	6 188	2 538	2 166	18 712
23835	Finish carpentry contractors . . .	1	866 851	858 175	692 767	422 198	279 246	165 408	13 585	12 015	73 756
238350	Finish carpentry contractors . . .	1	866 851	858 175	692 767	422 198	279 246	165 408	13 585	12 015	73 756
23839	Other building finishing contractors	2	156 105	156 081	146 106	113 415	32 715	9 975	4 713	2 211	18 630
238390	Other building finishing contractors	2	156 105	156 081	146 106	113 415	32 715	9 975	4 713	2 211	18 630
2389	Other specialty trade contractors . .	1	2 695 483	2 646 351	2 339 008	1 604 540	783 601	307 342	103 819	154 925	1 407 999
23891	Site preparation contractors	1	1 687 165	1 672 261	1 457 407	1 045 395	426 915	214 854	68 447	125 217	1 026 780
238910	Site preparation contractors	1	1 687 165	1 672 261	1 457 407	1 045 395	426 915	214 854	68 447	125 217	1 026 780
23899	All other specialty trade contractors	1	1 008 319	974 089	881 601	559 145	356 685	92 488	35 372	29 709	381 219
238990	All other specialty trade contractors	1	1 008 319	974 089	881 601	559 145	356 685	92 488	35 372	29 709	381 219

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)
PENNSYLVANIA		
All establishments number	27 589	2
All employees number	277 400	1
Construction workers in March number	196 469	1
Construction workers in May number	207 051	2
Construction workers in August number	212 173	1
Construction workers in November number	201 621	1
Average number of construction workers number	204 329	1
Other employees in March number	76 036	2
Other employees in May number	70 934	2
Other employees in August number	72 816	2
Other employees in November number	72 499	2
Average number of other employees number	73 071	1
Total payroll \$1,000	10 143 071	1
Construction workers \$1,000	6 976 591	1
Other employees \$1,000	3 166 481	1
First-quarter payroll, all employees \$1,000	2 346 189	1
Fringe benefits, all employees \$1,000	2 783 631	1
Legally required expenditures \$1,000	1 507 338	1
Voluntary expenditures \$1,000	1 276 293	1
Value of business done ¹ \$1,000	46 642 336	1
Value of construction work ¹ \$1,000	46 132 217	1
Value of construction work on government owned projects \$1,000	11 854 601	3
Value of construction work on federally owned projects \$1,000	2 544 808	2
Value of construction work on state and locally owned projects \$1,000	9 309 792	3
Value of construction work on privately owned projects \$1,000	34 277 616	1
Other business receipts \$1,000	510 119	2
Value of construction work subcontracted in from others \$1,000	15 365 557	2
Net value of construction work \$1,000	34 221 478	1
Value added \$1,000	22 217 427	1
Selected costs \$1,000	24 424 909	2
Materials, parts, and supplies \$1,000	11 862 268	2
Construction work subcontracted out to others \$1,000	11 910 739	2
Selected power, fuels, and lubricants \$1,000	651 902	2
Purchased electricity \$1,000	108 420	2
Natural gas and manufactured gas \$1,000	48 358	3
Gasoline and diesel fuel \$1,000	461 808	2
On-highway use of gasoline and diesel fuel \$1,000	346 311	1
Off-highway use of gasoline and diesel fuel \$1,000	115 497	4
All other fuels and lubricants \$1,000	33 317	3
Total rental costs \$1,000	773 830	2
Machinery and equipment \$1,000	505 216	2
Buildings \$1,000	268 614	3
Selected purchased services \$1,000	1 410 993	2
Communication services \$1,000	372 803	1
Repairs to buildings and other structures \$1,000	208 482	2
Repairs to machinery and equipment \$1,000	337 269	3
Legal services \$1,000	76 709	3
Accounting, auditing, and bookkeeping services \$1,000	271 213	7
Advertising and promotional services \$1,000	144 518	4
Beginning-of-year gross book value of depreciable assets \$1,000	6 620 613	2
Capital expenditures, other than land \$1,000	869 943	2
Retirements and disposition of depreciable assets \$1,000	259 860	3
End-of-year gross book value of depreciable assets \$1,000	7 230 697	2
Depreciation charges during year \$1,000	762 690	3
Establishments with inventories number	5 217	—
Value of construction work for establishments with inventories \$1,000	12 894 743	—
End-of-2002, inventories of materials and supplies \$1,000	481 377	3
End-of-2001, inventories of materials and supplies \$1,000	460 536	6
Establishments with no inventories number	20 402	—
Value of construction work for establishments with no inventories \$1,000	31 227 427	—
Establishments not reporting inventories number	1 970	—
Value of construction work for establishments not reporting inventores \$1,000	2 010 046	—

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
PENNSYLVANIA											
All establishments	1	27 589	277 400	10 143 071	46 642 336	46 132 217	34 221 478	22 217 427	12 514 170	11 910 739	1
Establishments with—											
1 to 4 employees	3	16 385	33 855	768 086	4 827 636	4 799 306	3 787 895	2 181 192	1 635 033	1 011 411	4
5 to 9 employees	3	5 584	35 641	990 319	4 358 482	4 333 681	3 382 188	2 081 360	1 325 629	951 493	5
10 to 19 employees	2	2 976	39 368	1 262 230	5 299 734	5 261 055	4 155 132	2 616 125	1 577 685	1 105 924	5
20 to 49 employees	1	1 799	53 896	2 119 399	8 944 929	8 831 397	6 625 403	4 130 230	2 608 704	2 205 995	4
50 to 99 employees	1	511	34 730	1 517 317	6 391 044	6 273 940	4 422 216	2 919 151	1 620 169	1 851 724	2
100 to 249 employees	1	257	37 667	1 715 709	7 982 800	7 944 121	5 389 934	3 453 360	1 975 254	2 554 187	3
250 to 499 employees	—	49	16 483	675 270	3 021 793	2 962 320	2 439 815	1 769 057	730 231	522 505	—
500 to 999 employees	—	21	13 894	586 430	3 330 339	3 240 893	2 284 477	1 940 437	433 486	956 416	—
1,000 employees or more	—	7	11 868	508 312	2 485 579	2 485 503	1 734 419	1 126 516	607 979	751 084	—

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
PENNSYLVANIA											
All establishments	1	27 589	277 400	10 143 071	46 642 336	46 132 217	34 221 478	22 217 427	12 514 170	11 910 739	1
Establishments with value of business done—											
Less than \$25,000	6	S	S	1 976	5 867	5 867	5 594	4 445	1 149	272	25
\$25,000 to \$49,999	6	S	S	9 930	30 736	30 597	26 069	16 172	10 036	4 528	15
\$50,000 to \$99,999	4	2 425	3 708	46 833	185 444	184 909	166 206	106 181	60 561	18 703	9
\$100,000 to \$249,999	3	7 876	18 563	328 922	1 315 370	1 306 144	1 165 150	753 242	421 132	140 995	5
\$250,000 to \$499,999	2	6 167	24 502	583 879	2 189 351	2 178 130	1 910 896	1 234 851	687 266	267 234	5
\$500,000 to \$999,999	3	3 754	26 626	718 695	2 659 471	2 643 793	2 298 796	1 477 534	836 940	344 998	6
\$1,000,000 to \$2,499,999	2	3 251	39 545	1 310 964	5 039 642	4 996 363	4 142 984	2 572 740	1 613 523	853 379	5
\$2,500,000 to \$4,999,999	2	1 385	30 455	1 182 220	4 783 291	4 735 964	3 727 792	2 259 290	1 515 829	1 008 172	5
\$5,000,000 to \$9,999,999	1	849	33 932	1 447 246	5 864 767	5 794 352	4 458 172	2 766 833	1 761 755	1 336 180	4
\$10,000,000 or more	—	737	98 734	4 512 407	24 568 398	24 256 099	16 319 820	11 026 140	5 605 979	7 936 279	2

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)
PENNSYLVANIA		
Total	46 132 217	1
Construction work done in Delaware	305 360	2
Construction work done in Maryland	518 668	4
Construction work done in New Jersey	2 068 594	2
Construction work done in New York	445 549	17
Construction work done in Ohio	324 748	3
Construction work done in Pennsylvania	40 327 003	1
Construction work done in West Virginia	457 016	2

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
PENNSYLVANIA								
Total	46 132 217	27 000 433	12 794 219	6 337 565	1	1	2	2
Building construction, total	34 898 104	20 678 063	9 915 800	4 304 240	1	2	2	2
Single-family houses, detached and attached	12 473 781	8 155 792	2 579 961	1 738 028	3	4	3	3
Single-family houses, detached	10 842 639	7 068 111	2 315 235	1 459 293	3	4	3	3
Single-family houses, attached	1 631 142	1 087 681	264 726	278 734	5	6	10	13
Apartment buildings (2 or more units), such as rentals, apartment type condominiums and cooperatives	1 286 079	840 816	292 109	153 155	6	9	6	6
Manufacturing and industrial warehouses	1 288 218	674 870	387 578	225 770	5	6	5	6
Other manufacturing and light industrial buildings, such as factories, assembly plants, and industrial research laboratories	2 273 916	1 076 051	837 685	360 180	8	5	17	7
Hotels, motels, and tourist cabins	538 996	344 114	123 317	71 565	4	6	4	5
Office buildings	4 012 394	2 050 139	1 437 367	524 888	2	3	4	4
Stores, restaurants, and automobile service stations, and other commercial buildings	3 789 507	2 064 051	1 290 517	434 939	4	4	6	4
Commercial warehouses such as distribution buildings and mini-storage	794 905	554 004	162 137	78 764	4	3	10	6
Religious buildings	573 473	302 983	192 000	78 491	3	4	3	6
Educational buildings	3 760 025	2 119 457	1 342 884	297 685	3	3	3	23
Health care and institutional buildings	2 218 472	1 226 479	853 017	138 976	2	4	2	5
Public safety buildings such as prisons, police, and fire stations	626 163	417 271	159 782	49 110	12	11	12	23
Amusement, social, and recreational buildings	455 855	314 310	94 013	47 532	3	3	8	7
Other building construction	806 319	537 728	163 434	105 158	3	4	5	5
Nonbuilding construction, total	9 689 064	4 777 321	2 878 419	2 033 325	3	3	4	3
Highways, streets, and related work, such as installation of guardrails and signs	2 290 181	936 216	761 150	592 814	6	4	11	9
Private driveways and parking areas	537 163	308 208	111 629	117 325	9	12	10	15
Bridges and elevated highways	758 936	368 625	293 761	96 550	4	1	9	2
Sewers, water mains, and related facilities	1 480 685	905 897	377 265	197 523	13	12	17	14
Sewers, sewer lines, septic systems, and related facilities	900 034	567 935	231 443	100 656	15	13	23	20
Water mains, storage, and related facilities	580 651	337 961	145 823	96 867	22	23	24	19
Power and communication transmission lines, cables, towers, and related facilities	915 914	523 568	226 133	166 213	5	5	6	16
Power plants	1 171 839	450 875	340 650	380 314	—	—	—	—
Power and cogeneration plants, except hydroelectric	1 146 072	443 415	332 010	370 647	—	—	—	—
Power plants, hydroelectric	25 767	7 460	8 640	9 668	5	8	13	4
Sewage and water treatment plants	515 568	286 481	184 362	44 726	4	6	4	12
Other nonbuilding construction	2 018 778	997 451	583 468	437 860	3	4	6	3
Construction work, nsk	1 545 049	1 545 049	—	—	—	—	—	—

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.

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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)
PENNSYLVANIA		
Total	46 642 336	1
Building construction, total	16 903 352	2
Building construction on land owned by you, for sale	2 856 357	5
Building construction on land owned by others	9 387 822	4
Remodeling contractor	2 128 648	5
Construction management, at risk (for building construction)	1 935 390	4
Construction management, agency or fee only (for building construction)	595 135	2
Heavy construction and civil engineering construction, total	6 631 109	5
Highway and street general contractor	1 218 847	10
Paving contractor -- asphalt or concrete for highways, streets, bridges, or airport runways	881 104	7
Heavy construction contractor, such as bridges, tunnels, pipelines, and utility lines	3 190 023	8
Cable and conduit laying contractor	518 471	9
Excavation work, earthmoving or land clearing contractor, not connected with buildings	822 663	5
Special trade contractors, total	14 689 785	2
Heating, ventilation and air-conditioning contractor (HVAC)	2 754 461	3
Mechanical contractor	789 948	4
Plumbing contractor	1 548 776	3
Steamfitting and piping contractor	320 693	4
Painting contractor	515 562	6
Electric power installation and service contractor, including lighting	2 192 960	3
Telecommunications installation and service contractor (except transmission lines)	401 844	5
Masonry contractor, brick, block, or stone (except brick paving)	951 034	10
Drywall contractor	1 048 453	7
Finish carpentry contractor	809 833	10
Framing contractor, except steel	340 971	18
Roofing contractor, except sheet metal	708 483	10
Asphalt, concrete, and brick paving contractor, residential or commercial driveways and parking areas	334 995	11
Foundation contractor, concrete	341 393	18
Concrete Contractor (except paving or foundation)	762 638	8
Excavation work: earthmoving or land clearing contractor, connected with buildings	867 742	5
All other construction activities	6 369 341	2
Other business activities secondary to construction activities, total	503 701	2
All other business activities secondary to construction activities	503 701	2
Kind of business activity, nsk	1 545 049	10

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.