

APPENDIX A: CONSTRUCTION-RELATED INDUSTRY CODES

CONSTRUCTION INDUSTRIES

NAICS: 2017 NORTH AMERICAN INDUSTRY
CLASSIFICATION SYSTEM

NAICS	NAME
23	Construction
236	Construction of Buildings
2361	Residential Building Construction
2362	Nonresidential Building Construction
237	Heavy and Civil Engineering Construction
2371	Utility System Construction
2372	Land Subdivision
2373	Highway, Street, and Bridge Construction
2379	Other Heavy and Civil Engineering Construction
238	Specialty Trade Contractors
2381	Foundation, Structure, and Building Exterior Contractors
2382	Building equipment contractors (MEP)
2383	Building Finishing Contractors
2389	Other Specialty Trade Contractors
23821	Electrical Contractors and Other Wiring Installation Contractors
23822	Plumbing, Heating, and Air-Conditioning Contractors
23829	Other Building Equipment Contractors
238211	Residential Electrical Contractors and Other Wiring Installation Contractors
238212	Non-Residential Electrical Contractors and Other Wiring Installation Contractors
238221	Residential Plumbing, Heating, and Air-Conditioning Contractors
238222	Non-Residential Plumbing, Heating, and Air-Conditioning Contractors
238291	Other Residential Building Equipment Contractors
238292	Other Non-Residential Building Equipment Contractors

NAICS	NAME
23	<i>Construction</i>
31-33	<i>Manufacturing</i>
44-45	<i>Retail Trade</i>
52	<i>Finance and Insurance</i>
53	<i>Real Estate and Rental Leasing</i>
54	<i>Professional, Scientific, and Technical Services</i>
62	<i>Health Care and Social Assistance</i>

CONSTRUCTION-RELATED INDUSTRIES

NAICS	NAME
212321	<i>Construction Sand and Gravel Mining</i>
327120	<i>Clay Building Material and Refractories Manufacturing</i>
327310	<i>Cement Manufacturing</i>
327320	<i>Ready-Mix Concrete Manufacturing</i>
327331	<i>Concrete Block and Brick Manufacturing</i>
327332	<i>Concrete Pipe Manufacturing</i>
327390	<i>Other Concrete Product Manufacturing</i>
327410	<i>Lime Manufacturing</i>
327420	<i>Gypsum Product Manufacturing</i>
327999	<i>All Other Miscellaneous Nonmetallic Mineral Product Manufacturing</i>
423310	<i>Lumber, Plywood, Millwork, and Wood Panel Merchant Wholesalers</i>
423320	<i>Brick, Stone, and Related Construction Material Merchant Wholesalers</i>
423330	<i>Roofing, Siding, and Insulation Material Merchant Wholesalers</i>

NAICS

423390	<i>Other Construction Material Merchant Wholesalers</i>
423710	<i>Hardware Merchant Wholesalers</i>
423720	<i>Plumbing and Heating Equipment and Supplies (Hydronics) Merchant Wholesalers</i>
423730	<i>Warm Air Heating and Air-Conditioning Equipment and Supplies Merchant Wholesalers</i>
423740	<i>Refrigeration Equipment and Supplies Merchant Wholesalers</i>
444110	<i>Home Centers</i>
444130	<i>Hardware Stores</i>
444190	<i>Other Building Material Dealers</i>
532412	<i>Construction, Mining, and Forestry Machinery and Equipment Rental and Leasing</i>
541310	<i>Architectural Services</i>
541320	<i>Landscape Architectural Services</i>
541330	<i>Engineering Services</i>
541340	<i>Drafting Services</i>
541360	<i>Geophysical Surveying and Mapping Services</i>
541370	<i>Surveying and Mapping (except Geophysical) Services</i>

APPENDIX B: CONSTRUCTION-RELATED OCCUPATIONS

CONSTRUCTION OCCUPATIONS

SOC: 2018 STANDARD
OCCUPATIONAL CLASSIFICATION

SOC	NAME
47-100	Supervisors of Construction and Extraction Workers
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers
47-2011	Boilermakers
47-2021	Brickmasons and Blockmasons
47-2022	Stonemasons
47-2031	Carpenters
47-2041	Carpet Installers
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles
47-2043	Floor Sanders and Finishers
47-2044	Tile and Marble Setters
47-2051	Cement Masons and Concrete Finishers
47-2061	Construction Laborers
47-2071	Paving, Surfacing, and Tamping Equipment Operators
47-2072	Pile-Driver Operators
47-2073	Operating Engineers and Other Construction Equipment Operators
47-2081	Drywall and Ceiling Tile Installers
47-2082	Tapers
47-2111	Electricians
47-2121	Glaziers
47-2131	Insulation Workers, Floor, Ceiling, and Wall

SOC	NAME
47-2132	Insulation Workers, Mechanical
47-2141	Painters, Construction and Maintenance
47-2142	Paperhangers
47-2151	Pipelayers
47-2152	Plumbers, Pipefitters, and Steamfitters
47-2161	Plasterers and Stucco Masons
47-2171	Reinforcing Iron and Rebar Workers
47-2181	Roofers
47-2211	Sheet Metal Workers
47-2221	Structural Iron and Steel Workers
47-2231	Solar Photovoltaic Installers
47-3011	Helpers—Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters
47-3012	Helpers—Carpenters
47-3013	Helpers—Electricians
47-3014	Helpers—Painters, Paperhangers, Plasterers, and Stucco Masons
47-3015	Helpers—Pipelayers, Plumbers, Pipefitters, and Steamfitters
47-3016	Helpers—Roofers
47-3019	Helpers, Construction Trades, All Other
47-4011	Construction and Building Inspectors
47-4021	Elevator Installers and Repairers
47-4031	Fence Erectors
47-4041	Hazardous Materials Removal Workers

CONSTRUCTION OCCUPATIONS

SOC: 2018 STANDARD
OCCUPATIONAL CLASSIFICATION

SOC	NAME
47-4051	Highway Maintenance Workers
47-4061	Rail-Track Laying and Maintenance Equipment Operators
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners
47-4091	Segmental Pavers
47-4099	Construction and Related Workers, All Other
47-5012	Rotary Drill Operators, Oil and Gas
47-5023	Earth Drillers, Except Oil and Gas
47-5071	Roustabouts, Oil and Gas
47-5081	Helpers—Extraction Workers
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers
51-4121	Welders, Cutters, Solderers, and Brazers

APPENDIX C: INDUSTRY CONTRIBUTION TO COLORADO GDP

ABSOLUTE AND PERCENTAGE CONTRIBUTION BY INDUSTRY TO COLORADO GDP, IN MILLIONS OF CURRENT-YEAR DOLLARS

Industry Name	2009		2010		2011		2012		2013	
	Absolute GDP	% of Total GDP	Absolute GDP	% of Total GDP	Absolute GDP	% of Total GDP	Absolute GDP	% of Total GDP	Absolute GDP	% of Total GDP
PRIVATE INDUSTRIES										
Agriculture, forestry, fishing and hunting	2,041	0.8%	2,288	0.9%	2,801	1.1%	2,560	0.9%	2,663	0.9%
Mining, quarrying, and oil and gas extraction	10,666	4.3%	11,662	4.6%	13,310	5.0%	12,347	4.5%	13,642	4.7%
Utilities	3,298	1.3%	3,882	1.5%	3,979	1.5%	3,765	1.4%	3,717	1.3%
Construction	11,464	4.6%	9,331	3.7%	9,477	3.6%	10,083	3.7%	12,370	4.3%
Manufacturing	19,857	8.0%	20,171	7.9%	20,546	7.8%	20,771	7.6%	21,242	7.4%
Wholesale trade	13,471	5.4%	14,121	5.5%	14,690	5.6%	15,820	5.8%	16,710	5.8%
Retail trade	13,618	5.5%	13,978	5.5%	14,126	5.3%	14,810	5.4%	15,409	5.3%
Transportation and warehousing	6,560	2.6%	6,982	2.7%	6,925	2.6%	7,757	2.8%	9,987	3.5%
Information	18,611	7.5%	18,731	7.3%	18,739	7.1%	17,874	6.5%	19,264	6.7%
Finance and insurance	13,185	5.3%	13,152	5.2%	13,953	5.3%	15,595	5.7%	15,668	5.4%
Real estate and rental and leasing	34,162	13.7%	35,569	13.9%	37,688	14.3%	38,535	14.1%	39,849	13.8%
Professional, scientific, and technical services	22,712	9.1%	23,546	9.2%	24,483	9.3%	25,729	9.4%	27,058	9.4%
Management of companies and enterprises	4,637	1.9%	5,078	2.0%	5,347	2.0%	6,487	2.4%	5,963	2.1%
Administrative and support and waste management and remediation services	7,532	3.0%	7,753	3.0%	7,874	3.0%	8,461	3.1%	8,583	3.0%

ABSOLUTE AND PERCENTAGE CONTRIBUTION BY INDUSTRY TO COLORADO GDP, IN MILLIONS OF CURRENT-YEAR DOLLARS

2014		2015		2016		2017		2018		2009-2018
Absolute GDP	% of Total GDP	Absolute GDP	% of Total GDP	Absolute GDP	% of Total GDP	Absolute GDP	% of Total GDP	Absolute GDP	% of Total GDP	Percent change indexed to 2009
2,719	0.9%	2,759	0.9%	2,569	0.8%	2,301	0.7%	2,155	0.6%	-29.4%
16,592	5.4%	10,505	3.3%	8,466	2.6%	11,716	3.3%	14,232	3.8%	-10.8%
4,025	1.3%	4,051	1.3%	3,960	1.2%	3,955	1.1%	4,107	1.1%	-16.7%
14,728	4.8%	16,446	5.2%	18,065	5.5%	19,584	5.6%	21,197	5.7%	23.6%
22,294	7.3%	23,302	7.3%	22,893	7.0%	24,186	6.9%	25,751	6.9%	-13.3%
17,825	5.8%	18,753	5.9%	18,936	5.7%	19,871	5.7%	20,499	5.5%	1.8%
16,057	5.2%	17,168	5.4%	17,978	5.5%	18,523	5.3%	19,124	5.1%	-6.1%
11,151	3.6%	12,220	3.8%	12,405	3.8%	13,073	3.7%	14,394	3.9%	46.7%
19,312	6.3%	18,674	5.9%	19,025	5.8%	19,848	5.7%	20,176	5.4%	-27.5%
16,495	5.4%	17,596	5.5%	19,099	5.8%	19,874	5.7%	21,935	5.9%	11.3%
41,261	13.5%	44,876	14.1%	48,658	14.8%	52,268	14.9%	55,192	14.8%	8.0%
28,345	9.2%	29,747	9.3%	31,146	9.5%	32,866	9.4%	35,591	9.6%	4.8%
6,385	2.1%	6,884	2.2%	6,338	1.9%	7,701	2.2%	7,488	2.0%	8.0%
9,201	3.0%	9,588	3.0%	9,936	3.0%	10,739	3.1%	11,566	3.1%	2.7%

ABSOLUTE AND PERCENTAGE CONTRIBUTION BY INDUSTRY TO COLORADO GDP,
IN MILLIONS OF CURRENT-YEAR DOLLARS (CONTINUED)

Industry Name	2009		2010		2011		2012		2013	
	Absolute GDP	% of Total GDP	Absolute GDP	% of Total GDP	Absolute GDP	% of Total GDP	Absolute GDP	% of Total GDP	Absolute GDP	% of Total GDP
<i>PRIVATE INDUSTRIES (CONTINUED)</i>										
Educational services	2,209	0.9%	2,407	0.9%	2,456	0.9%	2,602	1.0%	2,687	0.9%
Health care and social assistance	15,484	6.2%	16,049	6.3%	16,622	6.3%	17,374	6.4%	17,851	6.2%
Arts, entertainment, and recreation	2,818	1.1%	2,973	1.2%	3,125	1.2%	3,224	1.2%	4,126	1.4%
Accommodation and food services	7,586	3.1%	7,773	3.0%	8,212	3.1%	8,806	3.2%	9,388	3.3%
Other services (except government and government enterprises)	5,815	2.3%	5,799	2.3%	5,905	2.2%	6,238	2.3%	6,486	2.2%
Private Industry (total)	215,726	86.8%	221,241	86.7%	230,258	87.1%	238,838	87.3%	252,662	87.6%
GOVERNMENT										
Government and government enterprises	32,868	13.2%	33,899	13.3%	34,174	12.9%	34,682	12.7%	35,644	12.4%
All Industry (total)	248,594	100.0%	255,141	100.0%	264,432	100.0%	273,520	100.0%	288,305	100.0%

2014		2015		2016		2017		2018		2009-2018
Absolute GDP	% of Total GDP	Absolute GDP	% of Total GDP	Absolute GDP	% of Total GDP	Absolute GDP	% of Total GDP	Absolute GDP	% of Total GDP	Percent change indexed to 2009
2,822	0.9%	2,908	0.9%	3,067	0.9%	3,078	0.9%	3,219	0.9%	-2.5%
18,772	6.1%	20,131	6.3%	21,469	6.5%	22,325	6.4%	23,434	6.3%	1.2%
4,761	1.6%	5,329	1.7%	5,734	1.7%	5,846	1.7%	6,254	1.7%	48.4%
9,673	3.2%	10,740	3.4%	11,247	3.4%	12,017	3.4%	12,836	3.5%	13.1%
6,918	2.3%	7,319	2.3%	7,610	2.3%	7,889	2.3%	8,379	2.3%	-3.6%
269,336	87.9%	278,996	87.6%	288,599	87.6%	307,657	87.9%	327,529	88.1%	1.5%
37,235	12.1%	39,559	12.4%	40,770	12.4%	42,347	12.1%	44,220	11.9%	-10.0%
306,571	100.0%	318,555	100.0%	329,368	100.0%	350,004	100.0%	371,750	100.0%	0.0%

APPENDIX D: INDUSTRY CONTRIBUTION TO COLORADO GDP, PERCENT CHANGE OVER YEAR

OVER YEAR CHANGE IN CONTRIBUTION TO COLORADO GDP, IN MILLIONS OF CURRENT-YEAR DOLLARS

Industry Name	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	Average 2012-2017	2017-2018
PRIVATE INDUSTRIES										
Agriculture, forestry, fishing and hunting	12.1%	22.4%	-8.6%	4.0%	2.1%	1.5%	-6.9%	-10.4%	-1.9%	-6.4%
Mining, quarrying, and oil and gas extraction	9.3%	14.1%	-7.2%	10.5%	21.6%	-36.7%	-19.4%	38.4%	2.9%	21.5%
Utilities	17.7%	2.5%	-5.4%	-1.3%	8.3%	0.6%	-2.2%	-0.1%	1.1%	3.9%
Construction	-18.6%	1.6%	6.4%	22.7%	19.1%	11.7%	9.8%	8.4%	14.3%	8.2%
Manufacturing	1.6%	1.9%	1.1%	2.3%	5.0%	4.5%	-1.8%	5.6%	3.1%	6.5%
Wholesale trade	4.8%	4.0%	7.7%	5.6%	6.7%	5.2%	1.0%	4.9%	4.7%	3.2%
Retail trade	2.6%	1.1%	4.8%	4.0%	4.2%	6.9%	4.7%	3.0%	4.6%	3.2%
Transportation and warehousing	6.4%	-0.8%	12.0%	28.7%	11.7%	9.6%	1.5%	5.4%	11.4%	10.1%
Information	0.6%	0.0%	-4.6%	7.8%	0.3%	-3.3%	1.9%	4.3%	2.2%	1.7%
Finance and insurance	-0.3%	6.1%	11.8%	0.5%	5.3%	6.7%	8.5%	4.1%	5.0%	10.4%
Real estate and rental and leasing	4.1%	6.0%	2.2%	3.4%	3.5%	8.8%	8.4%	7.4%	6.3%	5.6%
Professional, scientific, and technical services	3.7%	4.0%	5.1%	5.2%	4.8%	4.9%	4.7%	5.5%	5.0%	8.3%
Management of companies and enterprises	9.5%	5.3%	21.3%	-8.1%	7.1%	7.8%	-7.9%	21.5%	4.1%	-2.8%
Administrative and support and waste management and remediation services	2.9%	1.6%	7.4%	1.4%	7.2%	4.2%	3.6%	8.1%	4.9%	7.7%

OVER YEAR CHANGE IN CONTRIBUTION TO COLORADO GDP,
IN MILLIONS OF CURRENT-YEAR DOLLARS

Industry Name	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	Average 2012-2017	2017-2018
PRIVATE INDUSTRIES (CONTINUED)										
Educational services	9.0%	2.1%	6.0%	3.3%	5.0%	3.1%	5.5%	0.4%	3.5%	4.6%
Health care and social assistance	3.6%	3.6%	4.5%	2.7%	5.2%	7.2%	6.6%	4.0%	5.1%	5.0%
Arts, entertainment, and recreation	5.5%	5.1%	3.2%	28.0%	15.4%	11.9%	7.6%	2.0%	13.0%	7.0%
Accommodation and food services	2.5%	5.7%	7.2%	6.6%	3.0%	11.0%	4.7%	6.8%	6.4%	6.8%
Other services (except government and government enterprises)	-0.3%	1.8%	5.6%	4.0%	6.6%	5.8%	4.0%	3.7%	4.8%	6.2%
Private Industry (total)	2.6%	3.6%	3.4%	5.4%	6.3%	3.9%	3.4%	6.3%	5.1%	6.2%
GOVERNMENT										
Government and government enterprises	3.1%	0.8%	1.5%	2.8%	4.5%	6.2%	3.1%	3.9%	4.1%	4.4%
All Industry (total)	2.6%	4.1%	3.7%	5.8%	6.6%	3.6%	3.4%	6.6%	5.2%	6.5%

NUMBER OF PRIVATE CONSTRUCTION ESTABLISHMENTS IN COLORADO

NAICS Industry Name	YEAR											
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018		
2361 Residential Building Construction	4,499	4,030	3,674	3,526	3,471	3,522	3,731	3,920	4,141	4,326		
2362 Non-Residential Building Construction	1,073	1,033	989	991	983	996	1,015	1,040	1,090	1,136		
236 Building Construction (Total)	5,572	5,062	4,663	4,517	4,454	4,518	4,746	4,960	5,231	5,461		
2371 Utility System Construction	577	562	542	542	550	561	578	573	574	563		
2372 Land Subdivision	251	208	170	153	137	132	128	126	117	119		
2373 Highway, Street, and Bridge Construction	218	211	205	216	210	209	220	221	220	222		
2379 Other Heavy and Civil Engineering Construction	101	96	102	107	117	117	113	112	116	119		
237 Heavy and Civil Engineering Construction (Total)	1,146	1,076	1,018	1,017	1,013	1,019	1,039	1,031	1,026	1,023		
2381 Foundation, Structure, and Building Exterior Contractors	2,865	2,646	2,421	2,326	2,274	2,330	2,500	2,640	2,789	2,911		
2382 Building Equipment Contractors (MEP)	4,874	4,638	4,402	4,304	4,248	4,291	4,476	4,590	4,746	4,847		
2383 Building Finishing Contractors	3,857	3,557	3,259	3,055	2,969	3,011	3,213	3,357	3,502	3,649		
2389 Other Specialty Trade Contractors	2,170	1,963	1,806	1,753	1,710	1,744	1,796	1,862	1,950	1,994		
238 Specialty Trade Contractors (Total)	13,766	12,804	11,887	11,439	11,200	11,376	11,985	12,448	12,987	13,400		
23 Construction	20,484	18,943	17,569	16,973	16,667	16,913	17,769	18,440	19,243	19,884		

NUMBER OF PRIVATE MECHANICAL, ELECTRICAL, AND PLUMBING ESTABLISHMENTS IN COLORADO

		YEAR											
NAICS	Industry Name	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018		
238211	Residential Electrical and Other Wiring Installation Contractors	1,488	1,416	1,305	1,256	1,230	1,236	1,287	1,343	1,382	1,420		
238212	Non-Residential Electrical and Other Wiring Installation Contractors	802	782	747	730	723	716	739	749	759	758		
23821	Electrical and Other Wiring Installation Contractors	2,291	2,198	2,052	1,986	1,953	1,953	2,026	2,092	2,141	2,178		
238221	Residential Plumbing Heating, and Air Conditioning Contractors	1,880	1,764	1,691	1,674	1,656	1,682	1,783	1,832	1,935	2,002		
238222	Non-Residential Plumbing, Heating, and Air Conditioning Contractors	534	515	499	488	481	489	494	491	489	487		
23822	Plumbing, Heating, and Air Conditioning Contractors	2,415	2,279	2,190	2,161	2,137	2,172	2,276	2,323	2,424	2,488		
238291	Other Residential Building Equipment Contractors	39	33	37	36	38	44	46	45	47	47		
238292	Other Non-Residential Building Equipment Contractors	130	128	123	122	121	124	128	130	135	134		
23829	Other Building Equipment Contractors	169	161	160	158	159	167	174	175	182	181		
2382	Building Equipment Contractors (MEP)	4,874	4,638	4,402	4,304	4,248	4,291	4,476	4,590	4,746	4,847		

APPENDIX F: NUMBER OF ESTABLISHMENTS BY NUMBER OF EMPLOYEES

NUMBER OF PRIVATE CONSTRUCTION ESTABLISHMENTS BY NUMBER OF EMPLOYEES, DATA FOR 2017

NAICS	Industry Name	NUMBER OF EMPLOYEES										All establishments	
		1-4	5-9	10-19	20-49	50-99	100+	100-249	250-499	500-999	1000+		
2361	Residential Building Construction	3,522	406	171	76	27	10	10	0	0	0	0	4,214
2362	Non-Residential Building Construction	456	149	110	77	28	22	19	0	3	0	0	845
236	Building Construction (Total)	3,978	555	281	153	55	32	29	0	3	0	0	5,059
2371	Utility System Construction	227	85	78	69	34	25	17	8	0	0	0	521
2372	Land Subdivision	97	15	3	0	0	0	0	0	0	0	0	116
2373	Highway, Street, and Bridge Construction	76	34	27	38	26	17	13	4	0	0	0	219
2379	Other Heavy and Civil Engineering Construction	37	9	14	5	0	3	3	0	0	0	0	70
237	Heavy and Civil Engineering Construction (Total)	437	143	122	112	60	45	33	12	0	0	0	926
2381	Foundation, Structure, and Building Exterior Contractors	1,934	423	277	219	57	20	20	0	0	0	0	2,933
2382	Building Equipment Contractors (MEP)	2,867	736	441	282	89	61	48	13	0	0	0	4,479
2383	Building Finishing Contractors	2,607	412	249	115	37	19	19	0	0	0	0	3,441
2389	Other Specialty Trade Contractors	1,040	291	191	153	21	17	13	4	0	0	0	1,714
238	Specialty Trade Contractors (Total)	8,448	1,862	1,158	769	204	117	100	17	0	0	0	12,567
23	Construction	12,863	2,560	1,561	1,035	321	212	162	36	9	5	5	18,552

PERCENTAGE OF PRIVATE CONSTRUCTION ESTABLISHMENTS BY NUMBER OF EMPLOYEES, DATA FOR 2017

NUMBER OF EMPLOYEES											All estab- lishments	
NAICS	Industry Name	1-4	5-9	10-19	20-49	50-99	100+	100-249	250-499	500-999		1000+
2361	Residential Building Construction	83.6%	9.6%	4.1%	1.8%	0.6%	0.2%	0.2%	0.0%	0.0%	0.0%	4,214
2362	Non-Residential Building Construction	54.0%	17.6%	13.0%	9.1%	3.3%	2.6%	2.2%	0.0%	0.4%	0.0%	845
236	Building Construction (Total)	78.6%	11.0%	5.6%	3.0%	1.1%	0.6%	0.6%	0.0%	0.1%	0.0%	5,059
2371	Utility System Construction	43.6%	16.3%	15.0%	13.2%	6.5%	4.8%	3.3%	1.5%	0.0%	0.0%	521
2372	Land Subdivision	83.6%	12.9%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	116
2373	Highway, Street, and Bridge Construction	34.7%	15.5%	12.3%	17.4%	11.9%	7.8%	5.9%	1.8%	0.0%	0.0%	219
2379	Other Heavy and Civil Engineering Construction	52.9%	12.9%	20.0%	7.1%	0.0%	4.3%	4.3%	0.0%	0.0%	0.0%	70
237	Heavy and Civil Engineering Construction (Total)	47.2%	15.4%	13.2%	12.1%	6.5%	4.9%	3.6%	1.3%	0.0%	0.0%	926
2381	Foundation, Structure, and Building Exterior Contractors	65.9%	14.4%	9.4%	7.5%	1.9%	0.7%	0.7%	0.0%	0.0%	0.0%	2,933
2382	Building Equipment Contractors (MEP)	64.0%	16.4%	9.8%	6.3%	2.0%	1.4%	1.1%	0.3%	0.0%	0.0%	4,479
2383	Building Finishing Contractors	75.8%	12.0%	7.2%	3.3%	1.1%	0.6%	0.6%	0.0%	0.0%	0.0%	3,441
2389	Other Specialty Trade Contractors	60.7%	17.0%	11.1%	8.9%	1.2%	1.0%	0.8%	0.2%	0.0%	0.0%	1,714
238	Specialty Trade Contractors (Total)	67.2%	14.8%	9.2%	6.1%	1.6%	0.9%	0.8%	0.1%	0.0%	0.0%	12,567
23	Construction	69.3%	13.8%	8.4%	5.6%	1.7%	1.1%	0.9%	0.2%	0.0%	0.0%	18,552

ANNUAL AVERAGE NUMBER OF CONSTRUCTION EMPLOYEES IN COLORADO (PRIVATE INDUSTRY)

		NUMBER OF EMPLOYEES										
NAICS	Industry Name	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
2361	Residential Building Construction	11,846	10,257	9,648	10,078	11,543	12,963	14,044	15,321	16,531	17,705	
2362	Non-Residential Building Construction	12,644	10,919	10,758	10,670	11,789	13,471	14,026	14,715	15,727	17,009	
236	Construction of Buildings	24,489	21,176	20,405	20,748	23,332	26,434	28,070	30,036	32,258	34,714	
2371	Utility System Construction	9,502	8,738	9,691	9,417	11,240	12,994	12,619	11,770	11,783	13,836	
2372	Land Subdivision	868	683	621	584	558	578	554	505	494	671	
2373	Highway, Street, and Bridge Construction	6,085	6,137	5,926	6,147	6,603	7,256	7,419	7,292	7,817	8,000	
2379	Other Heavy and Civil Engineering Construction	2,123	1,473	1,620	1,754	2,219	2,022	2,229	1,936	1,885	1,962	
237	Heavy and Civil Engineering Construction (Total)	18,578	17,031	17,858	17,901	20,621	22,850	22,820	21,503	21,979	24,469	
2381	Foundation, Structure, and Building Exterior Contractors	18,948	16,399	15,357	16,195	17,750	19,591	20,979	22,417	23,679	24,259	
2382	Building Equipment Contractors (MEP)	37,237	32,604	32,165	33,540	36,256	40,369	42,756	45,004	47,597	50,365	
2383	Building Finishing Contractors	17,940	15,489	14,256	14,901	15,920	17,491	18,146	19,461	20,535	21,184	
2389	Other Specialty Trade Contractors	13,811	12,410	12,201	12,469	13,725	15,399	15,833	16,726	17,424	18,106	
238	Specialty Trade Contractors (Total)	87,936	76,903	73,979	77,105	83,651	92,850	97,714	103,609	109,235	113,914	
23	Construction	131,003	115,110	112,242	115,754	127,604	142,134	148,604	155,148	163,473	173,096	

ANNUAL AVERAGE NUMBER OF MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTOR EMPLOYEES IN COLORADO (PRIVATE INDUSTRY)

		NUMBER OF EMPLOYEES										
NAICS	Industry Name	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
238211	Residential Electrical and Other Wiring Contractors	6,694	5,856	5,556	5,801	6,135	6,888	7,370	8,053	8,452	8,949	
238212	Non-Residential Electrical and Other Wiring Contractors	10,842	9,767	9,806	9,966	10,708	11,960	12,839	13,221	13,489	14,041	
23821	Electrical and Other Wiring Contractors	17,536	15,623	15,362	15,767	16,843	18,848	20,209	21,274	21,941	22,989	
238221	Residential Plumbing, Heating, and Air Conditioning Contractors	8,888	8,005	7,854	8,400	9,352	10,192	10,793	11,566	12,578	13,377	
238222	Non-Residential Plumbing, Heating, and Air Conditioning Contractors	9,142	7,559	7,459	7,843	8,515	9,540	9,878	10,361	11,107	11,752	
23822	Plumbing, Heating, and Air Conditioning Contractors	18,031	15,565	15,313	16,243	17,867	19,732	20,671	21,927	23,685	25,129	
238291	Other Residential Building Equipment Contractors	130	77	148	125	120	140	97	96	94	115	
238292	Other Non-Residential Building Equipment Contractors	1,540	1,340	1,342	1,406	1,426	1,649	1,779	1,708	1,877	2,132	
23829	Other Building Equipment Contractors	1,670	1,417	1,490	1,531	1,546	1,790	1,876	1,804	1,971	2,247	
2382	Building Equipment Contractors (MEP)	37,237	32,604	32,165	33,540	36,256	40,369	42,756	45,004	47,597	50,365	

AVERAGE ANNUAL WAGES FOR CONSTRUCTION EMPLOYEES IN COLORADO (PRIVATE INDUSTRY)

		NUMBER OF EMPLOYEES										
NAICS	Industry Name	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
2361	Residential Building Construction	\$47,473	\$45,732	\$46,602	\$49,413	\$51,176	\$54,349	\$58,094	\$60,385	\$63,655	\$67,441	
2362	Non-Residential Building Construction	\$66,877	\$66,969	\$67,314	\$67,827	\$66,541	\$69,034	\$70,591	\$73,339	\$76,432	\$81,100	
236	Construction of Buildings	\$57,491	\$56,682	\$57,522	\$58,883	\$58,940	\$61,833	\$64,338	\$66,731	\$69,885	\$74,134	
2371	Utility System Construction	\$58,369	\$57,906	\$59,969	\$62,007	\$62,666	\$64,873	\$64,549	\$66,317	\$69,194	\$72,369	
2372	Land Subdivision	\$74,457	\$84,384	\$80,031	\$86,977	\$89,655	\$97,264	\$112,334	\$116,817	\$130,816	\$116,652	
2373	Highway, Street, and Bridge Construction	\$54,123	\$54,323	\$54,781	\$56,352	\$57,704	\$60,551	\$63,061	\$65,937	\$68,641	\$71,273	
2379	Other Heavy and Civil Engineering Construction	\$64,573	\$53,045	\$57,618	\$58,999	\$61,462	\$60,724	\$66,419	\$67,403	\$69,567	\$69,992	
237	Heavy and Civil Engineering Construction (Total)	\$58,439	\$57,257	\$58,731	\$60,585	\$61,678	\$63,953	\$65,407	\$67,473	\$70,414	\$73,034	
2381	Foundation, Structure, and Building Exterior Contractors	\$39,098	\$38,806	\$39,166	\$40,549	\$41,505	\$44,468	\$46,399	\$49,205	\$51,521	\$54,236	
2382	Building Equipment Contractors (MEP)	\$49,605	\$50,414	\$51,204	\$51,995	\$52,135	\$54,199	\$55,631	\$57,289	\$58,070	\$60,395	
2383	Building Finishing Contractors	\$35,877	\$35,480	\$36,025	\$37,755	\$39,323	\$42,095	\$44,110	\$46,168	\$48,399	\$50,664	
2389	Other Specialty Trade Contractors	\$39,086	\$40,309	\$40,986	\$42,972	\$44,770	\$47,848	\$48,870	\$51,525	\$53,818	\$55,910	
238	Specialty Trade Contractors (Total)	\$42,888	\$43,300	\$44,095	\$45,380	\$46,233	\$48,813	\$50,414	\$52,521	\$54,154	\$56,561	
23	Construction	\$47,824	\$47,827	\$48,865	\$50,151	\$51,052	\$53,668	\$55,347	\$57,344	\$59,444	\$62,414	

AVERAGE ANNUAL WAGES FOR MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTOR EMPLOYEES IN COLORADO (PRIVATE INDUSTRY)

		NUMBER OF EMPLOYEES									
NAICS	Industry Name	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
238211	Residential Electrical and Other Wiring Contractors	\$42,797	\$43,337	\$45,731	\$45,630	\$45,209	\$45,890	\$48,300	\$49,516	\$49,550	\$52,509
238212	Non-Residential Electrical and Other Wiring Contractors	\$54,508	\$55,128	\$55,462	\$57,077	\$57,134	\$59,129	\$60,340	\$61,683	\$62,470	\$64,563
23821	Electrical and Other Wiring Contractors	\$50,037	\$50,708	\$51,942	\$52,866	\$52,790	\$54,291	\$55,949	\$57,077	\$57,493	\$59,871
238221	Residential Plumbing, Heating, and Air Conditioning Contractors	\$41,360	\$41,674	\$42,250	\$43,653	\$43,537	\$45,224	\$47,035	\$49,107	\$50,376	\$53,069
238222	Non-Residential Plumbing, Heating, and Air Conditioning Contractors	\$54,542	\$56,061	\$56,276	\$56,762	\$57,399	\$60,480	\$61,318	\$63,873	\$64,647	\$66,627
23822	Plumbing, Heating, and Air Conditioning Contractors	\$48,044	\$48,662	\$49,082	\$49,982	\$50,143	\$52,600	\$53,861	\$56,084	\$57,068	\$59,409
238291	Other Residential Building Equipment Contractors	\$33,902	\$40,160	\$42,684	\$46,354	\$45,404	\$42,700	\$41,394	\$39,950	\$45,946	\$44,139
238292	Other Non-Residential Building Equipment Contractors	\$64,299	\$67,933	\$67,905	\$65,977	\$69,919	\$73,269	\$73,379	\$76,384	\$78,076	\$78,531
23829	Other Building Equipment Contractors	\$61,930	\$66,429	\$65,400	\$64,381	\$68,018	\$70,871	\$71,725	\$74,437	\$76,539	\$76,771
2382	Building Equipment Contractors (MEP)	\$49,605	\$50,414	\$51,204	\$51,995	\$52,135	\$54,199	\$55,631	\$57,289	\$58,070	\$60,395

AVERAGE WEEKLY WAGES FOR CONSTRUCTION EMPLOYEES IN COLORADO (PRIVATE INDUSTRY)

		NUMBER OF EMPLOYEES										
NAICS	Industry Name	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
2361	Residential Building Construction	\$913	\$879	\$896	\$950	\$984	\$1,045	\$1,117	\$1,161	\$1,224	\$1,297	
2362	Non-Residential Building Construction	\$1,286	\$1,288	\$1,295	\$1,304	\$1,280	\$1,328	\$1,358	\$1,410	\$1,470	\$1,560	
236	Construction of Buildings	\$1,106	\$1,090	\$1,106	\$1,132	\$1,133	\$1,189	\$1,237	\$1,283	\$1,344	\$1,426	
2371	Utility System Construction	\$1,122	\$1,114	\$1,153	\$1,192	\$1,205	\$1,248	\$1,241	\$1,275	\$1,331	\$1,392	
2372	Land Subdivision	\$1,432	\$1,623	\$1,539	\$1,673	\$1,724	\$1,870	\$2,160	\$2,246	\$2,516	\$2,243	
2373	Highway, Street, and Bridge Construction	\$1,041	\$1,045	\$1,053	\$1,084	\$1,110	\$1,164	\$1,213	\$1,268	\$1,320	\$1,371	
2379	Other Heavy and Civil Engineering Construction	\$1,242	\$1,020	\$1,108	\$1,135	\$1,182	\$1,168	\$1,277	\$1,296	\$1,338	\$1,346	
237	Heavy and Civil Engineering Construction (Total)	\$1,124	\$1,101	\$1,129	\$1,165	\$1,186	\$1,230	\$1,258	\$1,298	\$1,354	\$1,404	
2381	Foundation, Structure, and Building Exterior Contractors	\$752	\$746	\$753	\$780	\$798	\$855	\$892	\$946	\$991	\$1,043	
2382	Building Equipment Contractors (MEP)	\$954	\$970	\$985	\$1,000	\$1,003	\$1,042	\$1,070	\$1,102	\$1,117	\$1,161	
2383	Building Finishing Contractors	\$690	\$682	\$693	\$726	\$756	\$810	\$848	\$888	\$931	\$974	
2389	Other Specialty Trade Contractors	\$752	\$775	\$788	\$826	\$861	\$920	\$940	\$991	\$1,035	\$1,075	
238	Specialty Trade Contractors (Total)	\$825	\$833	\$848	\$873	\$889	\$939	\$970	\$1,010	\$1,041	\$1,088	
23	Construction	\$920	\$920	\$940	\$964	\$982	\$1,032	\$1,064	\$1,103	\$1,143	\$1,200	

AVERAGE WEEKLY WAGES FOR CONSTRUCTION EMPLOYEES IN COLORADO (PRIVATE INDUSTRY)

		NUMBER OF EMPLOYEES										
NAICS	Industry Name	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
238211	Residential Electrical and Other Wiring Contractors	\$823	\$833	\$879	\$878	\$869	\$883	\$929	\$952	\$953	\$1,010	
238212	Non-Residential Electrical and Other Wiring Contractors	\$1,048	\$1,060	\$1,067	\$1,098	\$1,099	\$1,137	\$1,160	\$1,186	\$1,201	\$1,242	
23821	Electrical and Other Wiring Contractors	\$962	\$975	\$999	\$1,017	\$1,015	\$1,044	\$1,076	\$1,098	\$1,106	\$1,151	
238221	Residential Plumbing, Heating, and Air Conditioning Contractors	\$795	\$801	\$813	\$839	\$837	\$870	\$905	\$944	\$969	\$1,021	
238222	Non-Residential Plumbing, Heating, and Air Conditioning Contractors	\$1,049	\$1,078	\$1,082	\$1,092	\$1,104	\$1,163	\$1,179	\$1,228	\$1,243	\$1,281	
23822	Plumbing, Heating, and Air Conditioning Contractors	\$924	\$936	\$944	\$961	\$964	\$1,012	\$1,036	\$1,079	\$1,097	\$1,142	
238291	Other Residential Building Equipment Contractors	\$652	\$772	\$821	\$891	\$873	\$821	\$796	\$768	\$884	\$849	
238292	Other Non-Residential Building Equipment Contractors	\$1,237	\$1,306	\$1,306	\$1,269	\$1,345	\$1,409	\$1,411	\$1,469	\$1,501	\$1,510	
23829	Other Building Equipment Contractors	\$1,191	\$1,277	\$1,258	\$1,238	\$1,308	\$1,363	\$1,379	\$1,431	\$1,472	\$1,476	
2382	Building Equipment Contractors (MEP)	\$954	\$970	\$985	\$1,000	\$1,003	\$1,042	\$1,070	\$1,102	\$1,117	\$1,161	

AVERAGE ANNUAL PAYROLL FOR PRIVATE CONSTRUCTION INDUSTRY IN COLORADO (IN MILLIONS OF DOLLARS)

NAICS Industry Name	NUMBER OF EMPLOYEES									
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
2361 Residential Building Construction	\$562	\$469	\$450	\$498	\$591	\$705	\$816	\$925	\$1,052	\$1,194
2362 Non-Residential Building Construction	\$846	\$731	\$724	\$724	\$784	\$930	\$990	\$1,079	\$1,202	\$1,379
236 Construction of Buildings	\$1,408	\$1,200	\$1,174	\$1,222	\$1,375	\$1,634	\$1,806	\$2,004	\$2,254	\$2,573
2371 Utility System Construction	\$555	\$506	\$581	\$584	\$704	\$843	\$815	\$781	\$815	\$1,001
2372 Land Subdivision	\$65	\$58	\$50	\$51	\$50	\$56	\$62	\$59	\$65	\$78
2373 Highway, Street, and Bridge Construction	\$329	\$333	\$325	\$346	\$381	\$439	\$468	\$481	\$537	\$570
2379 Other Heavy and Civil Engineering Construction	\$137	\$78	\$93	\$103	\$136	\$123	\$148	\$130	\$131	\$137
237 Heavy and Civil Engineering Construction (Total)	\$1,086	\$975	\$1,049	\$1,085	\$1,272	\$1,461	\$1,493	\$1,451	\$1,548	\$1,787
2381 Foundation, Structure, and Building Exterior Contractors	\$741	\$636	\$601	\$657	\$737	\$871	\$973	\$1,103	\$1,220	\$1,316
2382 Building Equipment Contractors (MEP)	\$1,847	\$1,644	\$1,647	\$1,744	\$1,890	\$2,188	\$2,379	\$2,578	\$2,764	\$3,042
2383 Building Finishing Contractors	\$644	\$514	\$514	\$563	\$626	\$736	\$800	\$898	\$994	\$1,073
2389 Other Specialty Trade Contractors	\$540	\$500	\$500	\$536	\$614	\$737	\$774	\$862	\$938	\$1,012
238 Specialty Trade Contractors (Total)	3,771	\$3,330	\$3,262	\$3,499	\$3,867	\$4,532	\$4,926	\$5,442	\$5,916	\$6,443
23 Construction	\$6,265	\$5,505	\$5,485	\$5,805	\$6,514	\$7,628	\$8,225	\$8,897	\$9,718	\$10,804

AVERAGE ANNUAL PAYROLL FOR MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS IN COLORADO (IN MILLIONS OF DOLLARS)

		NUMBER OF EMPLOYEES										
NAICS	Industry Name	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
238211	Residential Electrical and Other Wiring Contractors	\$823	\$833	\$879	\$878	\$869	\$883	\$929	\$952	\$953	\$1,010	
238212	Non-Residential Electrical and Other Wiring Contractors	\$1,048	\$1,060	\$1,067	\$1,098	\$1,099	\$1,137	\$1,160	\$1,186	\$1,201	\$1,242	
23821	Electrical and Other Wiring Contractors	\$962	\$975	\$999	\$1,017	\$1,015	\$1,044	\$1,076	\$1,098	\$1,106	\$1,151	
238221	Residential Plumbing, Heating, and Air Conditioning Contractors	\$795	\$801	\$813	\$839	\$837	\$870	\$905	\$944	\$969	\$1,021	
238222	Non-Residential Plumbing, Heating, and Air Conditioning Contractors	\$1,049	\$1,078	\$1,082	\$1,092	\$1,104	\$1,163	\$1,179	\$1,228	\$1,243	\$1,281	
23822	Plumbing, Heating, and Air Conditioning Contractors	\$924	\$936	\$944	\$961	\$964	\$1,012	\$1,036	\$1,079	\$1,097	\$1,142	
238291	Other Residential Building Equipment Contractors	\$652	\$772	\$821	\$891	\$873	\$821	\$796	\$768	\$884	\$849	
238292	Other Non-Residential Building Equipment Contractors	\$1,237	\$1,306	\$1,306	\$1,269	\$1,345	\$1,409	\$1,411	\$1,469	\$1,501	\$1,510	
23829	Other Building Equipment Contractors	\$1,191	\$1,277	\$1,258	\$1,238	\$1,308	\$1,363	\$1,379	\$1,431	\$1,472	\$1,476	
2382	Building Equipment Contractors (MEP)	\$954	\$970	\$985	\$1,000	\$1,003	\$1,042	\$1,070	\$1,102	\$1,117	\$1,161	

APPENDIX K: COMPARISON INDUSTRY EMPLOYMENT AND WAGES

AVERAGE ANNUAL NUMBER OF ESTABLISHMENTS - COMPARISON INDUSTRIES, 2009-2018

NUMBER OF EMPLOYEES										
NAICS Industry Name	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
23 Construction	20,484	18,943	17,569	16,973	16,667	16,913	17,769	18,440	19,243	19,884
31-33 Manufacturing	5,662	5,437	5,278	5,280	5,324	5,430	5,665	5,712	5,750	5,804
44-45 Retail Trade	17,963	17,417	17,119	17,261	17,296	17,230	17,581	17,805	17,859	17,839
52 Finance and Insurance	10,720	10,347	10,110	10,137	10,203	10,289	10,845	10,720	11,059	11,212
53 Real Estate and Rental and Leasing	9,813	9,289	8,991	9,091	9,288	9,636	10,857	9,813	11,493	12,114
54 Professional, Scientific, and Technical Services	29,062	29,242	29,592	30,434	31,020	31,760	35,248	29,062	36,521	37,833
62 Health Care and Social Assistance	13,286	13,665	13,961	14,255	14,382	14,531	16,912	13,286	18,346	18,565

AVERAGE ANNUAL NUMBER OF EMPLOYEES - COMPARISON INDUSTRIES, 2009-2018

NUMBER OF EMPLOYEES										
NAICS Industry Name	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
23 Construction	131,003	115,110	112,242	115,754	127,604	142,134	148,604	155,148	163,473	173,096
31-33 Manufacturing	129,642	125,494	129,159	131,989	132,666	136,208	140,816	142,383	144,067	147,285
44-45 Retail Trade	238,421	236,725	239,988	243,709	249,242	254,949	263,015	269,066	270,792	272,773
52 Finance and Insurance	100,857	98,236	98,056	99,783	103,142	103,618	106,322	108,984	111,298	112,657
53 Real Estate and Rental and Leasing	42,930	41,348	41,190	41,893	42,850	44,497	46,939	48,749	50,572	52,144
54 Professional, Scientific, and Technical Services	42,930	167,508	172,087	178,315	188,989	196,675	204,587	210,192	215,830	224,584
62 Health Care and Social Assistance	225,935	232,263	239,958	247,025	250,661	261,413	275,209	286,585	293,468	298,580

AVERAGE ANNUAL WAGES - COMPARISON INDUSTRIES, 2009-2018

NUMBER OF EMPLOYEES											
NAICS	Industry Name	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
23	Construction	\$47,824	\$47,827	\$48,865	\$50,151	\$51,052	\$53,668	\$55,347	\$57,344	\$59,444	\$62,414
31-33	Manufacturing	\$58,019	\$60,033	\$61,668	\$62,237	\$62,393	\$65,168	\$66,483	\$66,329	\$69,446	\$70,677
44-45	Retail Trade	\$26,693	\$26,823	\$27,113	\$27,833	\$28,159	\$29,096	\$30,070	\$30,625	\$31,568	\$32,461
52	Finance and Insurance	\$68,766	\$71,408	\$74,312	\$77,610	\$79,231	\$82,936	\$88,023	\$90,007	\$92,579	\$96,246
53	Real Estate and Rental and Leasing	\$40,860	\$41,860	\$43,918	\$46,940	\$49,096	\$50,559	\$53,067	\$54,984	\$57,232	\$59,486
54	Professional, Scientific, and Technical Services	\$77,600	\$79,623	\$81,381	\$84,065	\$84,852	\$87,131	\$88,868	\$90,437	\$93,588	\$97,859
62	Health Care and Social Assistance	\$44,247	\$44,310	\$44,852	\$45,689	\$45,906	\$46,791	\$48,166	\$48,801	\$49,771	\$51,210

AVERAGE WEEKLY WAGES - COMPARISON INDUSTRIES, 2009-2018

NUMBER OF EMPLOYEES											
NAICS	Industry Name	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
23	Construction	\$920	\$920	\$940	\$964	\$982	\$1,032	\$1,064	\$1,103	\$1,143	\$1,200
31-33	Manufacturing	\$1,116	\$1,154	\$1,186	\$1,197	\$1,200	\$1,253	\$1,279	\$1,276	\$1,335	\$1,359
44-45	Retail Trade	\$513	\$516	\$521	\$535	\$542	\$560	\$578	\$589	\$607	\$624
52	Finance and Insurance	\$1,322	\$1,373	\$1,429	\$1,493	\$1,524	\$1,595	\$1,693	\$1,731	\$1,780	\$1,851
53	Real Estate and Rental and Leasing	\$786	\$805	\$845	\$903	\$944	\$972	\$1,021	\$1,057	\$1,101	\$1,144
54	Professional, Scientific, and Technical Services	\$1,492	\$1,531	\$1,565	\$1,617	\$1,632	\$1,676	\$1,709	\$1,739	\$1,800	\$1,882
62	Health Care and Social Assistance	\$851	\$852	\$863	\$879	\$883	\$900	\$926	\$938	\$957	\$985

AVERAGE ANNUAL PAYROLL (IN MILLIONS) - COMPARISON INDUSTRIES, 2009-2018

		NUMBER OF EMPLOYEES										
NAICS	Industry Name	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	
23	Construction	\$6,265	\$5,505	\$5,485	\$5,805	\$6,514	\$7,628	\$8,225	\$8,897	\$9,718	\$10,804	
31-33	Manufacturing	\$7,522	\$7,534	\$7,965	\$8,215	\$8,277	\$8,876	\$9,362	\$9,444	\$10,005	\$10,410	
44-45	Retail Trade	\$6,364	\$6,350	\$6,507	\$6,783	\$7,018	\$7,418	\$7,909	\$8,240	\$8,548	\$8,854	
52	Finance and Insurance	\$6,936	\$7,015	\$7,287	\$7,744	\$8,172	\$8,594	\$9,359	\$9,809	\$10,304	\$10,843	
53	Real Estate and Rental and Leasing	\$1,754	\$1,731	\$1,809	\$1,966	\$2,104	\$2,250	\$2,491	\$2,680	\$2,894	\$3,102	
54	Professional, Scientific, and Technical Services	\$13,158	\$13,337	\$14,005	\$14,990	\$16,036	\$17,137	\$18,181	\$19,009	\$20,199	\$21,978	
62	Health Care and Social Assistance	\$9,997	\$10,292	\$10,762	\$11,286	\$11,507	\$12,232	\$13,256	\$13,986	\$14,606	\$15,290	

EMPLOYMENT PROJECTIONS FOR CONSTRUCTION TRADES IN COLORADO

SOC	Occupation	2018 estimated employment	Total Employment Change 2018-2028	2018 estimated employ- ment	Annual Average Percent Change	Total Annual Average Employment Change	Total Percent Change
47-1000	Supervisors of Construction and Extraction Workers	17,238	22,287	5,049	2.60%	504.9	29.3%
47-2011	Boilermakers	82	96	14	1.59%	1.4	17.1%
47-2021	Brickmasons and Blockmasons	2,342	2,978	636	2.43%	63.6	27.2%
47-2022	Stonemasons	380	475	95	2.26%	9.5	25.0%
47-2031	Carpenters	22,727	28,499	5,772	2.29%	577.2	25.4%
47-2041	Carpet Installers	399	510	111	2.48%	11.1	27.8%
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	203	259	56	2.47%	5.6	27.6%
47-2043	Floor Sanders and Finishers	348	446	98	2.51%	9.8	28.2%
47-2044	Tile and Marble Setters	1,456	1,819	363	2.25%	36.3	24.9%
47-2051	Cement Masons and Concrete Finishers	6,102	7,827	1,725	2.52%	172.5	28.3%
47-2061	Construction Laborers	30,367	37,987	7,620	2.26%	762	25.1%
47-2071	Paving, Surfacing, and Tamping Equipment Operators	2,466	2,994	528	1.96%	52.8	21.4%
47-2072	Pile-Driver Operators	**	**	**	**	**	**
47-2073	Operating Engineers and Other Construction Equipment Operators	10,689	13,443	2,754	2.32%	275.4	25.8%
47-2081	Drywall and Ceiling Tile Installers	4,162	4,772	610	1.38%	61	14.7%

** = Data not available

APPENDIX L: CONSTRUCTION OCCUPATION
FUTURE EMPLOYMENT PROJECTIONS

2018-2028 EMPLOYMENT PROJECTIONS FOR CONSTRUCTION TRADES IN COLORADO (CONTINUED)

SOC	Occupation	2018 estimated employment	Total Employment Change 2018-2028	2018 estimated employment	Annual Average Percent Change	Total Annual Average Employment Change	Total Percent Change
47-2082	Tapers	701	802	101	1.36%	10.1	14.4%
47-2111	Electricians	19,546	24,731	5,185	2.38%	518.5	26.5%
47-2121	Glaziers	1,426	1,806	380	2.39%	38	26.6%
47-2131	Insulation Workers, Floor, Ceiling, and Wall	807	943	136	1.57%	13.6	16.9%
47-2132	Insulation Workers, Mechanical	817	1,034	217	2.38%	21.7	26.6%
47-2141	Painters, Construction and Maintenance	7,768	9,319	1,551	1.84%	155.1	20.0%
47-2142	Paperhangers	**	**	**	**	**	**
47-2151	Pipelayers	932	1,209	277	2.64%	27.7	29.7%
47-2152	Plumbers, Pipefitters, and Steamfitters	10,777	14,369	3,592	2.92%	359.2	33.3%
47-2161	Plasterers and Stucco Masons	909	1,076	167	1.70%	16.7	18.4%
47-2171	Reinforcing Iron and Rebar Workers	378	492	114	2.67%	11.4	30.2%
47-2181	Roofers	4,444	5,731	1,287	2.58%	128.7	29.0%
47-2211	Sheet Metal Workers	3,747	4,784	1,037	2.47%	103.7	27.7%
47-2221	Structural Iron and Steel Workers	1,441	1,855	414	2.56%	41.4	28.7%
47-2231	Solar Photovoltaic Installers	**	**	**	**	**	**
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	551	713	162	2.61%	16.2	29.4%

** = Data not available

2018-2028 EMPLOYMENT PROJECTIONS FOR CONSTRUCTION TRADES IN COLORADO (CONTINUED)

SOC	Occupation	2018 estimated employment	Total Employment Change 2018-2028	2018 estimated employment	Annual Average Percent Change	Total Annual Average Employment Change	Total Percent Change
47-3012	Helpers--Carpenters	315	409	94	2.65%	9.4	29.8%
47-3013	Helpers--Electricians	412	525	113	2.45%	11.3	27.4%
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	**	**	**	**	**	**
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	349	478	129	3.20%	12.9	37.0%
47-3016	Helpers--Roofers	188	244	56	2.64%	5.6	29.8%
47-3019	Helpers, Construction Trades, All Other	**	**	**	**	**	**
47-4011	Construction and Building Inspectors	2,420	2,943	523	1.98%	52.3	21.6%
47-4021	Elevator Installers and Repairers	431	559	128	2.63%	12.8	29.7%
47-4031	Fence Erectors	653	838	185	2.53%	18.5	28.3%
47-4041	Hazardous Materials Removal Workers	1,467	1,805	338	2.10%	33.8	23.0%
47-4051	Highway Maintenance Workers	3,343	3,847	504	1.41%	50.4	15.1%
47-4061	Rail-Track Laying and Maintenance Equipment Operators	**	**	**	**	**	**
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	524	632	108	1.89%	10.8	20.6%

** = Data not available

2018-2028 EMPLOYMENT PROJECTIONS FOR CONSTRUCTION TRADES IN COLORADO (CONTINUED)

SOC	Occupation	2018 estimated employment	Total Employment Change 2018-2028	2018 estimated employment	Annual Average Percent Change	Total Annual Average Employment Change	Total Percent Change
47-4091	Segmental Pavers	**	**	**	**	**	**
47-4099	Construction and Related Workers, All Other	1,150	1,478	328	2.54%	32.8	28.5%
47-5012	Rotary Drill Operators, Oil and Gas	1,174	1,652	478	3.47%	47.8	40.7%
47-5023	Earth Drillers, Except Oil and Gas	565	731	166	2.61%	16.6	29.4%
47-5071	Roustabouts, Oil and Gas	3,335	4,581	1,246	3.23%	124.6	37.4%
47-5081	Helpers--Extraction Workers	411	550	139	2.96%	13.9	33.8%
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	5,906	7,839	1,933	2.87%	193.3	32.7%
51-4121	Welders, Cutters, Solderers, and Brazers	5,504	6,552	1,048	1.76%	104.8	19.0%

** = Data not available

APPENDIX M: CONSTRUCTION-RELATED ACADEMIC PROGRAM CODES

CONSTRUCTION-RELATED ACADEMIC PROGRAMS

CIP: 2010 CLASSIFICATION OF INSTRUCTIONAL PROGRAMS

CIP	Program Name
040901	Architectural Technology/Technician
040902	Architectural and Building Sciences/Technology
140801	Civil Engineering, General
143301	Construction Engineering
150000	Engineering Technologies/Technicians, General
150101	Architectural Engineering Technology/Technician
150201	Civil Engineering Technologies/Technicians
150501	Heating, Ventilation, Air Conditioning, and Refrigeration Engineering Technology/Technician
150503	Energy Management and Systems Technology/Technician
150505	Solar Energy Technology/Technician
151001	Construction Engineering Technology/Technician
151102	Surveying Technology/Surveying
151301	Drafting and Design Technology/Technician, General
151302	CAD/CADD Drafting and/or Design Technology/Technician
151303	Architectural Drafting and Architectural CAD/CADD
151307	3-D Modeling and Design Technology/Technician
151501	Engineering/Industrial Management
460000	Construction Trades, General
460201	Carpentry/Carpenter
460301	Electrical and Power Transmission Installation/Installer, General
460302	Electrician
460303	Lineworker / Line Worker

CONSTRUCTION-RELATED ACADEMIC PROGRAMS

CIP: 2010 CLASSIFICATION OF INSTRUCTIONAL PROGRAMS

CIP	Program Name
460403	Building/Home/Construction Inspection/Inspector
460412	Building/Construction Site Management/Manager
460415	Building Construction Technology/Technician
460499	Building/Construction Finishing, Management, and Inspection - Other
460502	Pipefitting/Pipefitter and Sprinkler Fitter
460503	Plumbing Technology/Plumber
470201	Heating, Air Conditioning, Ventilation, and Refrigeration Maintenance Technology/Technician
480508	Welding Technology/Welder
480510	Computer Numerically Controlled (CNC) Machinist Technology/CNC Machinist
480701	Woodworking, General
490202	Construction/Heavy Equipment/Earthmoving Equipment Operation
522001	Construction Management, General
522002	Construction Project Management
522099	Construction Management, Other
309999	Multi-/Interdisciplinary Studies, Other (Construction Management)
529999	Business, Management, Marketing, and Related Support Services, Other (Real Estate and Construction Management)