

Industry Snapshot

Construction

Emsi Q2 2018 Data Set

April 2018



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Parameters

Industries

Code	Description
2361	Residential Building Construction
2362	Nonresidential Building Construction
2373	Highway, Street, and Bridge Construction
2381	Foundation, Structure, and Building Exterior Contractors
2382	Building Equipment Contractors

Regions

Code	Description
19100	Dallas-Fort Worth-Arlington, TX

Timeframe

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Datarun

2018.2 – Employees

Construction Targeted Industry in Dallas-Fort Worth-Arlington, TX

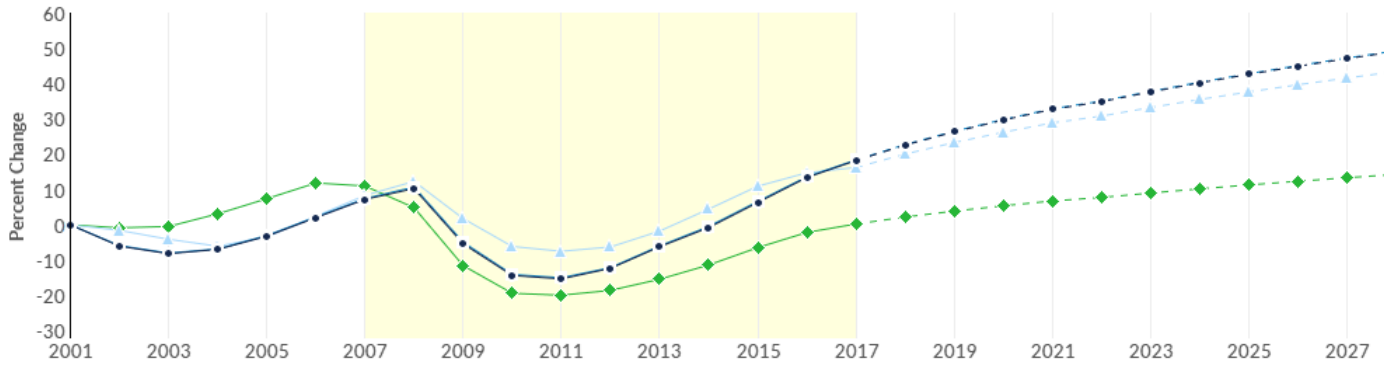
Industry Summary for Construction Targeted Industry

132,449 Jobs (2017) 14% above National average	+10.3% % Change (2007-2017) Nation: -9.7%	\$76,181 Avg. Earnings Per Job (2017) Nation: \$72,923
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Industry Detail

Payrolled Business Locations (2017)	8,947
Jobs Multiplier	Only Available for 6-Digit
Unemployed	Only Available for 2-Digit

Regional Trends



Region	2007 Jobs	2017 Jobs	Change	% Change
● Region	120,099	132,449	12,350	10.3%
■ WSNCT Dallas and Tarrant	121,133	133,474	12,341	10.2%
▲ State	446,651	479,356	32,705	7.3%
◆ Nation	5,449,932	4,921,764	528,168 ⁻	-9.7%

Occupations Employed by these Industries

Description	Employed in Industry Group (2017)	% of Total Jobs in Industry Group (2017)
Construction Laborers	13,477	10.2%
Electricians	13,431	10.1%
First-Line Supervisors of Construction Trades and Extraction Workers	10,203	7.7%
Plumbers, Pipefitters, and Steamfitters	10,118	7.6%
Carpenters	6,915	5.2%

Industry Gender Breakdown



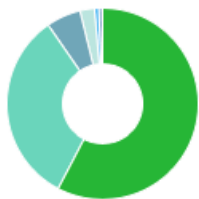
Gender	2017 Jobs	2017 Percent
● Males	104,583	79.0%
● Females	27,866	21.0%

Industry Age Breakdown



Age	2017 Jobs	2017 Percent
● 14-18	1,103	0.8%
● 19-24	11,472	8.7%
● 25-34	30,446	23.0%
● 35-44	31,629	23.9%
● 45-54	29,059	21.9%
● 55-64	20,528	15.5%
● 65+	8,212	6.2%

Industry Race/Ethnicity Breakdown



Race/Ethnicity	2017 Jobs	2017 Percent
White	76,386	57.7%
Hispanic or Latino	43,298	32.7%
Black or African American	7,712	5.8%
Asian	3,235	2.4%
Two or More Races	968	0.7%
American Indian or Alaska Native	655	0.5%
Native Hawaiian or Other Pacific Islander	194	0.1%

Industry Requirements

Purchases from	In-region Purchases	Imported Purchases	Total Purchases
Ready-Mix Concrete Manufacturing	\$465,553,404	\$9,605,240	\$475,158,644
Petroleum Refineries	\$58,685,343	\$281,826,936	\$340,512,279
Engineering Services	\$286,788,634	\$25,746,694	\$312,535,328
Wholesale Trade Agents and Brokers	\$212,200,471	\$7,620,596	\$219,821,067
Sheet Metal Work Manufacturing	\$181,049,735	\$32,358,611	\$213,408,346

Top Regional Businesses

Business Name	Industry Name	Business Size
Pulte Homes Inc	New Multifamily Housing Construction (except For-Sale Builders) (236116)	1,000
Tdindustries Inc	Plumbing, Heating, and Air-Conditioning Contractors (238220)	933
Vistawall	Commercial and Institutional Building Construction (236220)	900
Td Service	Plumbing, Heating, and Air-Conditioning Contractors (238220)	800
Austin Industries Inc	New Multifamily Housing Construction (except For-Sale Builders) (236116)	750

Business Data by DatabaseUSA.com is third-party data provided by Emsi to its customers as a convenience, and Emsi does not endorse or warrant its accuracy or consistency with other published Emsi data.

Appendix A - Data Sources and Calculations

Industry Data

Emsi industry data have various sources depending on the class of worker. (1) For QCEW Employees, Emsi primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey, Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.

Staffing Patterns Data

The staffing pattern data in this report are compiled from several sources using a specialized process. For QCEW and Non-QCEW Employees classes of worker, sources include Occupational Employment Statistics, the National Industry-Occupation Employment Matrix, and the American Community Survey. For the Self-Employed and Extended Proprietors classes of worker, the primary source is the American Community Survey, with a small amount of information from Occupational Employment Statistics.

Input-Output Data

The input-output model in this report is Emsi's gravitational flows multi-regional social account matrix model (MR-SAM). It is based on data from the Census Bureau's Current Population Survey and American Community Survey; as well as the Bureau of Economic Analysis' National Income and Product Accounts, Input-Output Make and Use Tables, and Gross State Product data. In addition, several Emsi in-house data sets are used, as well as data from Oak Ridge National Labs on the cost of transportation between counties.

DatabaseUSA.com Business-Level Data

Data for individual businesses is provided by DatabaseUSA.com, which maintains a database of more than 14 million U.S. business entities. Note that in aggregate it will not be consistent with Emsi labor market data due to differences in definitions, methodology, coverage, and industry/geographic classification.

State Data Sources

This report uses state data from the following agencies: Texas Workforce Commission

Industry Snapshot of Construction in Dallas-Fort Worth-Arlington, TX MSA, 2017q4												
		Current			5-Year History			10-Year Forecast				
		Four Quarters Ending with 2017q4			Total Change	Empl Last 'n' Years	Avg Ann % Chg in Empl	Separations (Approximate)			Growth	
NAICS	Industry	Empl	Avg Ann Wages	LQ	Empl	1 3 5	Region	Total New Demand	Exits	Transfers	Empl	Avg Ann Rate
236115	New Single-Family Housing Construction (except For-Sale Builders)	11,040	\$90,362	1.00	2,362		4.9%	13,953	4,347	7,102	2,504	2.1%
236116	New Multifamily Housing Construction (except For-Sale Builders)	960	\$98,848	1.05	352		9.6%	1,214	381	623	209	2.0%
236117	New Housing For-Sale Builders	2,081	\$103,867	1.34	896		11.9%	2,574	804	1,313	458	2.0%
236118	Residential Remodelers	8,800	\$52,755	0.67	1,905		5.0%	10,669	3,370	5,503	1,796	1.9%
236210	Industrial Building Construction	3,488	\$94,818	0.86	914		6.3%	4,536	1,318	2,340	878	2.3%
236220	Commercial and Institutional Building Construction	18,164	\$80,413	1.12	3,629		4.6%	22,460	6,684	11,876	3,900	2.0%
237110	Water and Sewer Line and Related Structures Construction	8,182	\$56,884	1.84	2,068		6.0%	13,530	3,496	6,497	3,537	3.7%
237120	Oil and Gas Pipeline and Related Structures Construction	2,104	\$84,280	0.61	258		2.7%	3,417	893	1,657	867	3.5%
237130	Power and Communication Line and Related Structures Construction	7,289	\$68,329	1.63	1,265		3.9%	11,936	2,870	5,483	3,583	4.1%
237210	Land Subdivision	2,136	\$138,162	2.00	264		2.7%	2,330	918	1,245	168	0.8%
237310	Highway, Street, and Bridge Construction	15,144	\$59,099	1.26	3,419		5.3%	20,954	6,158	10,809	3,987	2.4%
237990	Other Heavy and Civil Engineering Construction	2,608	\$63,479	0.89	922		9.1%	3,499	1,017	1,849	633	2.2%
238111	Residential Poured Concrete Foundation and Structure Contractors	3,686	\$53,786	1.16	772		4.8%	4,904	1,466	2,624	813	2.0%
238112	Nonresidential Poured Concrete Foundation and Structure Contractors	7,126	\$50,981	2.54	2,107		7.3%	9,451	2,851	5,065	1,535	2.0%
238121	Residential Structural Steel and Precast Concrete Contractors	448	\$52,055	1.17	135		7.5%	598	171	321	106	2.1%
238122	Nonresidential Structural Steel and Precast Concrete Contractors	3,035	\$53,371	1.83	981		8.1%	3,924	1,149	2,183	592	1.8%
238131	Residential Framing Contractors	1,259	\$54,335	0.62	78		1.3%	1,608	473	886	249	1.8%
238132	Nonresidential Framing Contractors	889	\$64,293	1.68	360		10.9%	1,156	337	634	186	1.9%
238141	Residential Masonry Contractors	2,861	\$48,982	1.13	234		1.7%	3,524	1,032	1,921	572	1.8%
238142	Nonresidential Masonry Contractors	2,900	\$46,928	1.47	242		1.8%	3,789	1,094	2,028	667	2.1%
238151	Residential Glass and Glazing Contractors	881	\$48,831	1.26	187		4.9%	1,141	333	623	185	1.9%
238152	Nonresidential Glass and Glazing Contractors	2,154	\$59,281	1.98	1,012		13.5%	2,843	822	1,559	463	2.0%
238161	Residential Roofing Contractors	2,540	\$63,461	0.86	523		4.7%	3,288	893	1,863	532	1.9%
238162	Nonresidential Roofing Contractors	3,896	\$57,381	1.50	53		0.3%	5,022	1,393	2,852	777	1.8%
238171	Residential Siding Contractors	956	\$53,228	0.86	116		2.6%	1,210	358	666	187	1.8%
238172	Nonresidential Siding Contractors	576	\$58,227	2.88	-6		-0.2%	747	217	406	124	2.0%
238191	Other Residential Foundation, Structure, and Building Exterior Contractors	739	\$57,284	1.24	56		1.6%	948	278	516	154	1.9%
238192	Other Nonresidential Foundation, Structure, and Building Exterior Contractors	1,548	\$45,526	2.12	265		3.8%	2,017	587	1,113	317	1.9%
238211	Residential Electrical Contractors and Other Wiring Installation Contractors	8,295	\$48,904	0.97	863		2.2%	11,190	3,218	6,351	1,620	1.8%
238212	Nonresidential Electrical Contractors and Other Wiring Installation Contractors	20,038	\$61,057	1.34	4,968		5.9%	27,109	7,818	15,419	3,871	1.8%
238221	Residential Plumbing, Heating, and Air-Conditioning Contractors	15,112	\$53,107	1.06	3,003		4.5%	21,583	6,080	11,280	4,224	2.5%
238222	Nonresidential Plumbing, Heating, and Air-Conditioning Contractors	15,943	\$63,516	1.20	6,331		10.7%	22,725	6,440	11,875	4,410	2.5%
238291	Other Residential Building Equipment Contractors	342	\$38,237	0.53	16		1.0%	448	126	246	76	2.0%
238292	Other Nonresidential Building Equipment Contractors	3,365	\$78,422	1.11	1,029		7.6%	4,453	1,250	2,477	727	2.0%
238311	Residential Drywall and Insulation Contractors	2,721	\$45,452	0.72	186		1.4%	2,928	937	1,687	303	1.1%
238312	Nonresidential Drywall and Insulation Contractors	6,110	\$52,112	1.75	1,600		6.3%	6,142	2,063	3,762	318	0.5%
238321	Residential Painting and Wall Covering Contractors	3,905	\$43,149	0.70	360		2.0%	4,291	1,458	2,195	638	1.5%
238322	Nonresidential Painting and Wall Covering Contractors	3,200	\$46,939	1.32	381		2.6%	3,390	1,188	1,813	389	1.2%
238331	Residential Flooring Contractors	2,586	\$49,418	1.05	599		5.4%	3,065	1,022	1,598	445	1.6%
238332	Nonresidential Flooring Contractors	825	\$59,201	0.98	107		2.8%	977	324	523	131	1.5%
238341	Residential Tile and Terrazzo Contractors	1,530	\$43,317	0.87	216		3.1%	1,801	602	951	248	1.5%
238342	Nonresidential Tile and Terrazzo Contractors	793	\$44,816	1.59	19		0.5%	918	308	499	111	1.3%
238351	Residential Finish Carpentry Contractors	3,799	\$43,509	0.77	607		3.5%	4,537	1,504	2,365	669	1.6%
238352	Nonresidential Finish Carpentry Contractors	1,839	\$50,702	1.51	249		3.0%	2,155	720	1,155	280	1.4%
238391	Other Residential Building Finishing Contractors	988	\$44,347	0.87	85		1.8%	1,162	388	616	158	1.5%
238392	Other Nonresidential Building Finishing Contractors	1,683	\$52,462	1.39	-49		-0.6%	1,981	655	1,081	245	1.4%
238911	Residential Site Preparation Contractors	4,642	\$44,092	0.77	11		0.0%	6,110	1,857	3,318	935	1.9%
238912	Nonresidential Site Preparation Contractors	5,446	\$55,457	0.98	162		0.6%	7,433	2,236	3,940	1,258	2.1%
238991	All Other Residential Specialty Trade Contractors	6,730	\$47,924	0.98	787		2.5%	9,104	2,725	4,859	1,520	2.1%
238992	All Other Nonresidential Specialty Trade Contractors	6,059	\$56,561	1.28	1,479		5.8%	8,071	2,464	4,343	1,264	1.9%
23	Construction	233,442	\$61,208	1.12	48,378		4.8%	307,758	91,108	162,833	53,817	2.1%
Total - All Industries		3,732,465	\$59,188	1.00	484,114		2.8%	5,135,893	1,898,220	2,534,060	703,613	1.7%
Source: JobsEQ® Data as of 2017Q4 Note: Figures may not sum due to rounding.												