

## SET 3: COUNTY ECONOMIC AND LABOR MARKET DATA, PROJECTIONS, AND LMC PROGRAM GAPS

### County and Regional Economic Data and Projection Profile Summary

[Sources: 1) Emsi Q3 2019 Data Set – Contra Costa County (2010-2017); 2) [https://www.labormarketinfo.edd.ca.gov/file/indproj/oak\\$ highlights.pdf.](https://www.labormarketinfo.edd.ca.gov/file/indproj/oak$%20highlights.pdf)]

- **Job Growth:**
  - # of Jobs increased by 10.9% in the last five years (to 2018); # of jobs are projected to increase by 24,968 (5.8%) in next 5 years.
- **Labor Force:**
  - Labor force participation decreased from 61.1% to 59.7% in last 5 years (to 2018); Unemployment has decreased from 6.1% to 3.5% in the last 5 years.
- **Industries:**
  - Current Top 3 Industries: restaurants/food service, education and hospitals (local govt), and local government (excluding education and healthcare).
  - Projected Top 5 growing industries (new jobs; in order): healthcare/social assistance (11k jobs), construction (5.9k jobs), accommodation/food services (5.7k jobs), administrative and support, and waste management/remediation services (4.8k jobs), and transportation and warehousing (2.7k jobs).
  - Industries with top average earnings: utilities(\$190k+), management of companies and enterprises(\$165k), mining, quarrying, oil and gas extraction(\$130k), finance and insurance(\$130k), and information(\$130k).
  - Industries with lowest average earnings: retail trade, educational services, arts/entertainment/recreation, and food service.
  - Most In-Demand Skills: Selling Techniques, Restaurant Operation, Merchandising, Accounting, Nursing, Home Care, Customer Experience, SQL Programming, Warehousing, and Customer Satisfaction.
- **Occupational Employment Forecasts:**
  - 167,200 new jobs from industry growth; approximately 259,200 job openings from replacement needs; combined total of @426,300 openings.
  - 68% of projected job openings is comprised of occupations that have an entry level education of a high school diploma or less.
  - 50 fastest growing occupations: projected growth rate of 25.7% +; @ 25% of these occupations are in construction related fields.

### County Income and Wage Data Profile Summary

- Median income in Contra Costa County outpaced that for the US and California (2010-2017);
- Median income in East County grew more significantly than the US, California, and all other sectors of the County.
- Living wages - The living wage in Contra Costa County ranges from a low of \$17.47/hour (one adult/no children) to \$52.94/hour (one adult/three children). For two income households, a living wage runs from \$13.12 to \$27.00 per hour.
- Job growth patterns correlated to living wages: LMC offers a number of degree and certificate programs that will ultimately prepare students for jobs in growing occupational fields, which will provide graduates with living wages.
- Fastest growing occupations correlated to LMC programs: LMC offers a number of degree and certificate programs that prepare students for entry into the fastest growing occupations in the County, or for transfer to four-year college/university programs for bachelor degrees required for these occupations.
- LMC does not offer degree or certificate programs, which would prepare students for entry into 11 of the fastest growing occupations in the County, or for entry into several of the top growing industries in terms of new jobs (e.g., construction, waste management, accommodation/food service, transportation/warehousing).

## Living Wage Calculations – Contra Costa County

Note: Living wage is the hourly rate that an individual in a household must earn to support themselves and/or a family and assumes that the assumption is a sole provider is working full-time (2080 hours per year). For households with two working adults, all values are per working adult, single or in a family.

# Adults	1 ADULT				2 ADULTS (1 WORKING)				2 ADULTS (2 WORKING)			
# Children	0	1	2	3	0	1	2	3	0	1	2	3
Living Wage	\$17.47	\$34.65	\$40.44	\$52.94	26.24	\$32.29	\$35.10	\$42.33	\$13.12	\$18.60	\$21.70	\$27.00

Source: <https://livingwage.mit.edu/counties/06013>

### Job Trends and Median Hourly Earnings for Occupations Providing Living Wages for One Adult Households

Occupation	2013 Jobs	2018 Jobs	Change in Jobs	% Change in Jobs	2018 Median Hourly Earnings
Architecture and Engineering	7,279	7,505	226	3%	\$42.74
Life, Physical, and Social Science	3,622	3,723	101	3%	\$39.01
Business and Financial Operations	24,942	28,309	3,367	13%	\$36.86
Construction and Extraction	21,393	25,288	3,895	18%	\$26.64
Installation, Maintenance, and Repair	13,371	14,009	638	5%	\$25.70
Protective Service	6,323	5,850	(473)	(7%)	\$24.92
Arts, Design, Entertainment, Sports, and Media	8,349	9,524	1,175	14%	\$24.79
Community and Social Service	5,856	6,659	803	14%	\$24.62
Education, Training, and Library	24,643	27,755	3,112	13%	\$23.43
Office and Administrative Support	53,482	53,263	(219)	(0%)	\$19.92
Healthcare Support	9,859	10,374	515	5%	\$19.35
Production	13,551	14,023	472	3%	\$18.94
Military-only	964	899	(65)	(7%)	\$18.33
Transportation and Material Moving	17,982	22,287	4,305	24%	\$17.29

Job Trends for Occupations Providing Living Wages for Two Adult Households (One Working)

Occupation	2013 Jobs	2018 Jobs	Change in Jobs	% Change in Jobs	2018 Median Hourly Earnings
Architecture and Engineering	7,279	7,505	226	3%	\$42.74
Life, Physical, and Social Science	3,622	3,723	101	3%	\$39.01
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Transportation and Material Moving	17,982	22,287	4,305	24%	\$17.29
Sales and Related	42,744	44,280	1,536	4%	\$16.35
Farming, Fishing, and Forestry	722	716	(6)	(1%)	\$16.24
Building and Grounds Cleaning and Maintenance	16,822	18,408	1,586	9%	\$14.97
Food Preparation and Serving Related	31,784	36,489	4,705	15%	\$13.53
Personal Care and Service	21,341	27,920	6,579	31%	\$13.04

Fastest Growing Occupations – Alameda and Contra Costa Counties (reported together for 2014-2024) and Current LMC Programs

OCCUPATION TITLE	EST. 2014	PROJ.2024	CHANGE 2014-2024	ANNUAL CHANGE	MED.HRLY	MED/ANNUAL	EDUCATION LEVEL	LMC PROGRAM
Web Developers	1440	2160	50%	5%	\$ 36.74	\$ 76,442.00	4	AS-T Comp. Sci.
Biomedical Engineers	650	940	45%	4%	\$ 50.51	\$ 105,061.00	3	STEM
Diagnostic Medical Sonographers	550	790	44%	4%	\$ 57.15	\$ 118,858.00	4	NO PROGRAM
Software Developers, Applications	8800	12480	42%	4%	\$ 59.06	\$ 122,845.00	3	AS-T Comp. Sci. AS-T Mathematics
Operations Research Analysts	670	940	40%	4%	\$ 47.92	\$ 99,684.00	3	AS-T Comp. Sci. AS-T Mathematics
Multimedia Artists & Animators	960	1330	39%	4%	\$ 37.42	\$ 77,842.00	3	AA Graphic Communications Cert.A. Graphic Communications
Market Research Analysts & Marketing Specialists	5100	6900	35%	4%	\$ 39.43	\$ 82,011.00	3	AS-T Comp. Sci. AS-T Mathematics AA-T Communication Studies AA Behavioral/Social Science AS-T Business Administration
Medical Assistants	5250	7080	35%	3%	\$ 21.41	\$ 44,552.00	5	NO PROGRAM
Veterinary Technologists & Technicians	1140	1530	34%	3%	\$ 19.22	\$ 39,981.00	4	NO PROGRAM
Computer Systems Analysts	7400	9910	34%	3%	\$ 44.76	\$ 93,090.00	3	AS-T Comp. Sci.
Medical & Clinical Laboratory Technicians	1100	1460	33%	3%	\$ 25.50	\$ 53,048.00	4	NO PROGRAM
Environmental Scientists & Specialists, Including Health	1900	2480	31%	3%	\$ 43.29	\$ 90,046.00	3	AS-T Biological Science [No AS-T Envir. Sci.]

Producers and Directors	430	560	30%	3%	\$ 31.14	\$ 64,775.00	3	AA-T Theatre Arts
Environmental Science & Protection Technicians, Including Health	470	610	30%	3%	\$ 24.12	\$ 50,187.00	4	NO PROGRAM
Computer & Information Systems Managers	3300	4250	29%	3%	\$ 74.25	\$ 154,454.00	3	AS-T Comp. Sci.
Software Developers, Systems Software	6920	8910	29%	3%	\$ 59.45	\$ 123,657.00	3	AS-T Comp. Sci.
Surgical Technologists	670	860	28%	3%	\$ 34.18	\$ 71,086.00	5	NO PROGRAM
Environmental Engineers	1070	1370	28%	3%	\$ 50.27	\$ 104,554.00	3	STEM
Medical & Clinical Laboratory Technologists	580	740	28%	3%	\$ 40.10	\$ 83,401.00	3	NO PROGRAM
Electrical & Electronics Repairers, Commercial & Industrial Equipment	530	670	26%	3%	\$ 36.75	\$ 76,437.00	5	<i>Electrical and Electronics Repairers:</i> Cert. A. – Electrical Technician Cert.A. – Instrumentation Technician  <i>Commercial and Industrial Equipment</i> – No PROGRAM
Meeting, Convention, & Event Planners	730	920	26%	3%	\$ 23.51	\$ 48,885.00	3	NO PROGRAM
Personal Financial Advisors	1810	2280	26%	3%	\$ 61.29	\$ 127,468.00	3	AS-T Business Admin.
Medical Records & Health Information Technicians	1360	1710	26%	3%	\$ 26.38	\$ 54,854.00	5	NO PROGRAM

Source: California Employment Development Department (Note: 3- Bachelor's degree; 4- Associate's degree; 5- Postsecondary non-degree award).

Job Growth: Occupations with Highest Percentage\* Job Increases -Contra Costa County (2018-2025)

Note: \*greater than 20% increase represented in this table; complete data set available on EMP webpage.

Occupation	2018 Jobs	2025 Jobs	% Change
Ambulance Drivers/Attendants, Except EMT	6	13	117
Occupational Therapy Assistants	23	40	74
Solar Photovoltaic Installers	105	176	68
Helpers--Pipelayers, Plumbers, Pipefitters, Steamfitters	29	48	66
Home Health Aides	943	1529	62
Psychiatric Aides	14	22	57
Ship Engineers	18	28	56
Prosthodontists	2	3	50
Motion Picture Projectionists	2	3	50
Psychiatric Technicians	44	65	48
Sailors and Marine Oilers	61	90	48
Physical Therapist Assistants	92	135	47
Hearing Aid Specialists	7	10	43
Control & Valve Installers/Repairers, Except Mechanical Door	74	104	41
Helpers--Production Workers	359	501	40
Phlebotomists	163	227	39
Nurse Practitioners	488	658	35
Riggers	9	12	33
Recreational Therapists	16	21	31
Athletic Trainers	36	47	31
Emergency Medical Technicians and Paramedics	698	906	30
Farm Equipment Mechanics & Service Techs	10	13	30
Personal Care Aides	13040	16850	29
Earth Drillers, Except Oil & Gas	52	67	29
Captains, Mates, Pilots/Water Vessels	136	176	29
Physician Assistants	510	654	28
Audiologists	26	33	27

<b>Health Technologists/Technicians</b>	731	932	27
<b>Multiple Machine Tool Setters, Operators (Metal &amp; Plastic)</b>	33	42	27
<b>Textile Cutting Machine Setters, Operators, Tenders</b>	11	14	27
<b>Power Distributors &amp; Dispatchers</b>	11	14	27
<b>Semiconductor Processors</b>	11	14	27
<b>Taxi Drivers &amp; Chauffeurs</b>	2020	2575	27
<b>Radiation</b>	19	24	26
<b>Respiratory Therapy Technicians</b>	4	5	25
<b>Roustabouts, Oil and Gas</b>	24	30	25
<b>Building Cleaning Workers, All Other</b>	17	21	24
<b>Helpers--Extraction Workers</b>	25	31	24
<b>Food Cooking Machine Operators and Tenders</b>	17	21	24
<b>Medical and Health Services Managers</b>	1042	1282	23
<b>Occupational Therapists</b>	264	324	23
<b>Medical Assistants</b>	2841	3508	23
<b>Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons</b>	13	16	23
<b>Security and Fire Alarm Systems Installers</b>	231	285	23
<b>Nurse Anesthetics</b>	65	79	22
<b>Ushers, Lobby Attendants, and Ticket Takers</b>	277	337	22
<b>Personal Care and Service Workers, All Othe</b>	236	287	22
<b>Mental Health and Substance Abuse Social Workers</b>	293	354	21
<b>Physical Therapists</b>	689	835	21
<b>Glaziers</b>	174	211	21
<b>Heating, Air Conditioning, and Refrigeration Mechanics and Installers</b>	777	939	21
<b>Electrical Power-Line Installers and Repairers</b>	215	261	21
<b>Materials Scientists</b>	5	6	20
<b>Substance Abuse, Behavioral Disorder, and Mental Health Counselors</b>	734	883	20
<b>Film and Video Editors</b>	101	121	20
<b>Oral and Maxillofacial Surgeons</b>	10	12	20
<b>Therapists, All Other</b>	152	183	20

<b>Surgical Technologists</b>	310	372	20
<b>Massage Therapists</b>	676	810	20
<b>Boilermakers</b>	15	18	20
<b>Automotive Glass Installers and Repairers</b>	15	18	20
<b>Adhesive Bonding Machine Operators and Tenders</b>	5	6	20

Source: EMSI Q3 Forecast Contra Costa County